How to find an Intership

Student Group

First Name	Surname	Matrikel Nr.

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Be aware, that - depending on the economical situation - it might take up to 200 outreaches to find a suitable internship.
So, it is good to make a structured list (e.g. in EXCEL), to track how far the outreach proceed.

Possible Templates for Communication

Email template for a unsolicited application (Initiativbewerbung)

```
Betreff: Pflichtpraktikum / Praxissemester — Embedded/Elektronik — ab
<Monat Jahr> (12–20 Wochen)

Guten Tag Herr/Frau <Name>,

ich studiere <Studiengang> an der <Hochschule> und suche ein
<Pflichtpraktikum/Praxissemester> ab <Datum>.
Ich kann Ihr Team konkret unterstützen bei:
- <1> (z.B. Embedded C / STM32 / RTOS / CAN)
- <2> (z.B. Prüfaufbauten / Python Testautomation / HIL)
- <3> (z.B. PCB-Layout / Altium / Inbetriebnahme)

Kurzprofil: <1 Satz — was du schon gebaut/getestet hast>.
Anbei: CV + Notenübersicht + 1 Seite Projektportfolio.

<optional>
Ich bin auf Ihr Unternehmen aufmerksam geworden, weil <1 kurzer Bezug:
Produkt/Technologiefeld/Branche>.
Falls es grundsätzlich denkbar ist, Praktika in Ihrem Bereich zu
betreuen:
Könnten Sie mir ggf. sagen, ob es bei Ihnen eine passende
Ansprechperson gibt (fachlich/technisch)
oder ob Sie mir empfehlen würden, mich über einen bestimmten Weg zu
bewerben?

Viele Grüße
<Name>
<Tel> | <LinkedIn/GitHub> | <E-Mail>
```

Why this template is likely to work:

1. Recruiters skim extremely fast.
   - In an eye-tracking study, the average initial resume screen was ~7.4 seconds, see [TheLadders Eye-Tracking Study (PDF)](#)
   - "Good" resumes shared: clear section/title headers, job titles that pop, and bullet-style accomplishment lists (F-/E-pattern scanning). Cluttered, long-sentence layouts performed

worse.
2. German application guidance explicitly recommends short, value-first openings, see StepStone: Einleitungssatz Bewerbung
    - opening should be max 2–3 sentences
    - avoid generic phrases
    - explicitly "Mehrwert betonen".
3. For Germany, email+PDF routing/forwarding is the normal "plumbing" for SMEs too, see Absolventa: Bewerbung per E-Mail.
    - for email applications (incl. Initiativbewerbungen), combine the whole application into one digital file (PDF), because it can be forwarded internally quickly to the right person.
    - The email subject should clearly state what you apply for so it can be assigned correctly.

Phone script (30 seconds)

```
Hallo, mein Name ist <Name>, ich studiere <Studiengang> an der
<Hochschule>.
Ich habe Ihnen eine kurze Initiativbewerbung für ein Praxissemester
geschickt (Embedded/Elektronik).
Ist das bei Ihnen angekommen — und wer wäre die richtige technische
Ansprechperson?
```

via Job Portals

In the following some relevant search engines are shown.
Be aware that the following links are already partially filtered by:

- vicinity to Heilbronn
- Praktikum

You might also look for keywords like

- `Elektrotechnik`, `Elektronik`, `Electronics`
- `Embedded`, `Microcontroller`
- `ECAD`,
- `EMC`, `EMV`

The following list covers relevant job search sites:

1. Stepstone - strong in Germany; good filters by city/region
2. Xing Jobs - Germany-heavy.
   Refine the search by the "hamburger menu" with
    1. Search radius: as you wish
    2. Employment type: Student
    3. Career level: Student/Intern
3. LinkedIn Jobs - best for "embedded/firmware" and direct networking
4. Jobware
5. GlassDoor

6. XING – Praktikum Jobs
7. Absolventa
8. Bundesagentur für Arbeit – Jobsuche (Praktika) - often overlooked, but does not have as much results
   Refine the search by clicking onto "Arbeit" below "Was suchen Sie?" and change it to "Praktikum/Trainee/Werkstudent"

"Indirect" directories (great for SMEs)

The following websites are good spots to find small and medium enterprises ("**SME**'s") which might look for engineers.

An unsolicited application to them would a a good idea. 🙂

1. get in Engineering job search
2. Fachverband microtec-suedwest
3. Clusterportal BW
4. Korporative Mitglieder des VDE Württemberg

Also via the B2B supplier directory one can find EMS/automation integrators fast:

1. wlw.de: Elektronik-Fertigung (Heilbronn)
2. wlw.de: Elektronik-Fertigung (Stuttgart)
3. wlw.de: Elektronik-Fertigung (Karlsruhe)

Additionally, exhibitors are companies which are actively selling & building new products. They often hiring quietly.
also companies from there are suitable for an internship

- embedded world exhibitors
- SPS (automation) exhibitors
- Control (quality/testing) exhibitors
- Motek (production/automation) exhibitor directory
- All About Automation
- Expo for Electronics Manufacturing

Google operators

Keywords

Suitable keywords for electronics topics:

- Entwicklungsingenieur, Elektronikentwicklung, Hardwareentwicklung, Automatisierung,
- Prüftechnik, Prüfstand, Testautomatisierung, Hardware-in-the-Loop
- Mikrocontroller, Embedded Software, firmware
- EMV, EMC, EMS, Pre-Compliance
- Leistungselektronik, power electronics, DC/DC, Inverter, Motorsteuerung, BMS, Batterie Management, SiC, GaN, power electronics, Schaltnetzteil
- PCB Layout, Leiterplattenlayout, Altium, kiCAD, ECAD, Leiterplattenbestückung,

Suitable keywords for roles:

- ("Internship" OR "Working student" OR "Bachelorarbeit" OR "Masterarbeit" OR "Abschlussarbeit" OR "Pflichtpraktikum" OR "Werkstudent" OR "Praxissemester" OR "Praktikum")

Add the region smartly

Append one of these blocks:

- (Heilbronn OR Neckarsulm OR "Region Stuttgart" OR Ludwigsburg OR Böblingen OR Sindelfingen OR Esslingen)
- (Karlsruhe OR Ettlingen OR Bruchsal OR Pforzheim OR "Technologieregion Karlsruhe")
- (Mannheim OR Heidelberg OR Ludwigshafen OR "Rhein-Neckar")

filter urls

Often the URLs of the companies have "job-relevant" keywords, like:

- inurl:karriere
- inurl:jobs
- inurl:stellen

Examples search strings

Search **career pages** directly:

- ("Praktikum" OR "Praxissemester" OR "Werkstudent") (Embedded OR Elektronik OR Prüftechnik) (Heilbronn OR Stuttgart OR Karlsruhe OR Mannheim) inurl:karriere
- (Praxissemester OR Abschlussarbeit) Elektronik inurl:jobs
- (Prüftechnik OR EMV OR EMC) Praktikum inurl:stellen

Exclude giants (reduce noise):

- ("Praktikum Embedded" Stuttgart) -Bosch -Porsche -Mercedes -Daimler -SAP -ZF -Continental

General search for suitable companies

- ("Leiterplattenbestückung" OR EMS OR "Elektronikfertigung") (Heilbronn OR Karlsruhe OR Mannheim)

Search LinkedIn via Google

- site:linkedin.com/jobs ("Werkstudent" AND Embedded AND Stuttgart)
- site:linkedin.com/company ("Elektronik" AND "Karriere") Stuttgart

Examples for SME Jobs

Examples for possible jobs beyond the big players (from 16.12.25):

1. ATS Automation - Praktikum in Engineering & Design
2. Schulz Group - Praktikant / Werkstudent (m/w/d) Produktentwicklung – Konstruktion & Elektronik

3. Carrybots - Installation und Deployment Mobile Roboter, Softwareentwicklung Robotik ROS
4. VEGA Grieshaber - Abschlussarbeit/Praktikum/Werkstudententätigkeit: Hardware oder Software im Bereich Embedded Systems

Job Fairs

Important: dates shift slightly each year - start checking **Aug/Sep** and bookmark the "event calendar" pages.

A quick list of the job fairs that regularly deliver SMEs and "hidden gems"

- **MeetING (HHN, Heilbronn)** – engineering-focused, very regional (Oct)
- **CareerContacts (HKA, Karlsruhe)** – multiple days, includes engineering faculties (Oct)
- **IT-Mittelstandstag (HS Esslingen)** – explicitly SME-focused (Nov)
- **StepIn (Uni Stuttgart)** – all engineering, annual (Nov)
- **bonding Firmenkontaktmesse Karlsruhe** – big student fair; many suppliers/SMEs participate (late Nov)

Calendar (between 01.10 – 31.12, recurring / usually each year)

When (usually)	Event	Where	Why it's useful for electronics/embedded internships	Link
October (early/mid)	**MeetING (Firmenkontaktmesse für Ingenieur-Studierende)**	Hochschule Heilbronn (TechCampus)	Regional employers, suppliers, engineering services; easy to ask for Praxissemester/Praktikum	MeetING (HHN)
October (20–23-ish)	**CareerContacts**	Hochschule Karlsruhe (HKA)	Multi-day career fair; includes engineering & IT; good for "quiet hiring"	CareerContacts (HKA)
October (mid/late)	**Karrieretag Karlsruhe** (open fair)	Karlsruhe (e.g., Schwarzwaldhalle)	General fair, but often many regional SMEs + direct CV checks	Karrieretag Karlsruhe (Stadt-Kalender)
October (mid/late)	**CareerSprint Mittelstand**	TH Mannheim	Campus-based "Mittelstand" format; good for internships/theses	CareerSprint Mittelstand (TH Mannheim)
October (mid/late)	**Aalener Industriemesse (AIM for students)**	Hochschule Aalen	Classic engineering student fair; many tech companies from BW	AIM for students (Aalen)
Oct-Dec (lecture series)	**Hohenheimer CareerDays**	Universität Hohenheim (Stuttgart)	Company talks + networking; some industrial/tech companies show up	Hohenheimer CareerDays
November (early)	**MeetIT**	Hochschule Heilbronn (TechCampus)	Great for embedded/IoT/software-near-hardware internships	MeetIT (HHN)
November (early, Wed)	**IT-Mittelstandstag**	Hochschule Esslingen	SME-heavy by design; ideal for "hidden gems"	IT-Mittelstandstag (HS Esslingen)
November (mid)	**Informatik-Kontaktmesse**	Universität Stuttgart (Informatikgebäude)	Not only IT: many embedded/automation employers recruit here too	Informatik-Kontaktmesse (Uni Stuttgart)
November (mid/late)	**StepIn – Firmenkontaktmesse**	Universität Stuttgart (Campus Vaihingen)	Annual engineering fair; practical for Praktikum/Bachelor/Master topics	StepIn (Uni Stuttgart/TRACES)
Late November	**bonding Firmenkontaktmesse Karlsruhe**	Karlsruhe	Very big student fair; many SMEs, suppliers, engineering services	bonding Karlsruhe
December (early)	**Firmenkontaktmesse (e.g., SimTech / Uni Stuttgart)**	Universität Stuttgart (Campus Vaihingen)	Often niche/tech-specific companies; good for R&D internships	SimTech Firmenkontaktmesse (example page)
December (support events)	**Career Service workshops** (CV checks etc.)	Uni Stuttgart / online	Not a fair, but boosts application quality fast (useful for internationals)	TRACES event calendar
December (networking)	**VDE After Work Stuttgart**	Stuttgart	Short networking evening; good for informal contacts + hidden roles	VDE After Work Stuttgart

How to use these fairs to find "hidden gem" internships (fast playbook)

1. **2–3 weeks before**
   1. Download exhibitor lists; pick **20 target SMEs** (suppliers, test houses, automation integrators, EMS/PCB, energy/storage).
   2. Prepare a **30-second pitch** + 1-page CV (German-style).
   3. Book time slots if the fair uses a matching platform.
2. **At the fair**
   1. Ask **directly**: "Do you supervise Praxissemester/Praktikum projects even if nothing is advertised?"
   2. Ask for **the technical hiring person** (team lead / lab engineer), not only HR.
3. **Within 24–48 hours**
   1. Send follow-up email: "Nice meeting you + 2 internship project ideas I can execute in 12 weeks."

The big List

In recent years, the "big players" have been more cautious about hiring employees and posting job openings, even for internships.
So you can look around there—but don't feel sorry for yourself if you get rejected.

The following list might be of help to find a suitable company.
Be aware that the list was aggregated by an AI - so, it could contain mistakes.

The list was updated on 17.12.2025

Search in the List

You can use the search textbox on the right side to filter for these tags:

- Automotive/Mobility; Commercial Vehicles; Tier-1 Supplier;
- Industrial Automation; Factory Automation/Machinery; Drives & Motion Control; Robotics; Sensors/Industrial Sensing; Industrial Networking/IIoT;
- Power Electronics; Battery/BMS/E-Mobility;
- Test & Measurement; Medical Devices/MedTech; Aerospace/Avionics; Defence/Security; Rail/Signalling; Semiconductors/IC Design; Optics/Imaging/Metrology;
- Process Instrumentation; Embedded Software; Firmware; Embedded C/Cpp; RTOS; Embedded Linux; Device Drivers/Low-Level;
- Electronics Design (Schematic/PCB); EMC/EMI; FPGA; ASIC/Mixed-Signal;
- Sensor Fusion; Signal Processing; Computer Vision/Embedded Vision; Connectivity/IoT Devices;
- CAN/LIN; Industrial Ethernet; PROFINET; EtherCAT; IO-Link; OPC UA; MQTT; Bluetooth/Wi-Fi; Fieldbus;
- V&V; Testing/Test Automation; HIL/SIL;
- Requirements; Systems Engineering; MBD;
- CI/CD (Embedded); Diagnostics/Calibration;
- Functional Safety; ISO 26262; IEC 61508; EN 50128/50129; DO-178C/DO-254; Cybersecurity (Embedded); IEC 62443;
- Motor Control; Closed-Loop Control;
- Mechatronic Systems; Actuators; Inverters/Converters; Measurement Technology;
- AI; Edge AI; AI in manufacturing; embedded AI; Other AI Usage;

Examples are:

- Edge --> Search for Edge AI
- AI; --> Search for AI OR Edge AI; OR embedded AI;
- Emb mechatr --> Search for (Embedded Software OR Embedded C/Cpp; OR Embedded Linux; OR Embedded Vision; OR CI/CD (Embedded) OR Cybersecurity (Embedded) OR embedded AI;) AND Mechatronic Systems;

The List

ID	Cpy. size	Company name	Short description	Tags	State (Bundesland)
1	Big	ABB	Industrial automation, drives and robotics with lots of embedded control and connectivity work.	Industrial Automation; Factory Automation/Machinery; Drives & Motion Control; Robotics; Industrial Networking/IIoT; Embedded Software; Firmware; Embedded C/Cpp; RTOS; Industrial Ethernet; PROFINET; OPC UA; Testing/Test Automation; Systems Engineering	Baden-Württemberg + more
2	Big	Agilent Technologies	Test/measurement and lab instruments with embedded electronics and firmware-heavy product development.	Test & Measurement; Measurement Technology; Embedded Software; Firmware; Electronics Design (Schematic/PCB); EMC/EMI; Connectivity/IoT Devices; V&V; Testing/Test Automation	Baden-Württemberg + more
3	Big	ALSTOM	Rail engineering with safety-critical embedded software, signalling and traction systems.	Rail/Signalling; EN 50128/50129; Functional Safety; Systems Engineering; Requirements; Embedded Software; Embedded C/Cpp; RTOS; Embedded Linux; V&V; Testing/Test Automation	Baden-Württemberg + more
4	Big	AMETEK	Instrumentation group spanning sensing, electronics and embedded-adjacent engineering roles.	Test & Measurement; Measurement Technology; Sensors/Industrial Sensing; Embedded Software; Firmware; Electronics Design (Schematic/PCB); EMC/EMI; V&V	Nordrhein-Westfalen, Hessen + more
5	Big	Airbus	Aerospace/defence systems with avionics, embedded SW/HW and certification-heavy engineering.	Aerospace/Avionics; Defence/Security; DO-178C/DO-254; Systems Engineering; Requirements; Embedded Software; Embedded C/Cpp; RTOS; FPGA; Signal Processing; Cybersecurity (Embedded)	Bayern, Baden-Württemberg + more

ID	Cpy. size	Company name	Short description	Tags	State (Bundesland)
6	Big	Audi	Automotive OEM with ECU/vehicle electronics, embedded software and validation roles.	Automotive/Mobility; Embedded Software; Embedded C/Cpp; RTOS; Embedded Linux; CAN/LIN; Diagnostics/Calibration; HIL/SIL; Testing/Test Automation; V&V; Functional Safety; ISO 26262; Systems Engineering; Connectivity/IoT Devices	Baden-Württemberg, Bayern + more
7	Big	B. Braun (Aesculap)	Medical devices with embedded electronics, firmware and regulated V&V work.	Medical Devices/MedTech; Embedded Software; Firmware; Electronics Design (Schematic/PCB); V&V; Testing/Test Automation; Requirements; Systems Engineering; Cybersecurity (Embedded); Connectivity/IoT Devices	Hessen, Baden-Württemberg + more
8	Big	Bosch Rexroth	Automation and motion control (drives, hydraulics) with embedded control and industrial comms.	Industrial Automation; Factory Automation/Machinery; Drives & Motion Control; Power Electronics; Motor Control; Closed-Loop Control; Industrial Ethernet; EtherCAT; PROFINET; OPC UA; Embedded Software; Firmware	Bayern, Baden-Württemberg + more
9	Big	Bosch	Major hub for sensors, ECUs, IoT devices and embedded SW/HW across many domains.	Automotive/Mobility; Industrial Automation; Sensors/Industrial Sensing; Connectivity/IoT Devices; Embedded Software; Firmware; Embedded C/Cpp; RTOS; Embedded Linux; Electronics Design (Schematic/PCB); V&V; Testing/Test Automation; Functional Safety; ISO 26262	Baden-Württemberg + more
10	Big	BSH Home Appliances	Connected appliances with electronics, firmware, EMC and IoT product development.	Connectivity/IoT Devices; Embedded Software; Firmware; Embedded Linux; Electronics Design (Schematic/PCB); EMC/EMI; Testing/Test Automation; V&V; Cybersecurity (Embedded)	Bayern, Baden-Württemberg + more
11	Big	BorgWarner	E-mobility and power electronics supplier with embedded control and validation.	Automotive/Mobility; Tier-1 Supplier; Power Electronics; Battery/BMS/E-Mobility; Inverters/Converters; Motor Control; Embedded Software; Firmware; Functional Safety; ISO 26262; Testing/Test Automation; V&V	Baden-Württemberg + more

ID	Cpy. size	Company name	Short description	Tags	State (Bundesland)
12	Big	Continental	Automotive electronics and embedded platforms (ADAS/connectivity) with safety and V&V.	Automotive/Mobility; Tier-1 Supplier; Sensors/Industrial Sensing; Sensor Fusion; Embedded Software; Embedded C/Cpp; RTOS; Embedded Linux; CAN/LIN; Functional Safety; ISO 26262; V&V; HIL/SIL; Cybersecurity (Embedded)	Niedersachsen, Baden-Württemberg + more
13	Big	Daimler Truck	Commercial-vehicle systems with embedded software, ECUs, validation and E/E integration.	Commercial Vehicles; Automotive/Mobility; Embedded Software; Embedded C/Cpp; RTOS; CAN/LIN; Diagnostics/Calibration; HIL/SIL; Testing/Test Automation; V&V; Functional Safety; ISO 26262; Systems Engineering; Connectivity/IoT Devices	Baden-Württemberg + more
14	Big	Diehl Group	Aerospace/defence electronics with embedded systems, certification and security topics.	Aerospace/Avionics; Defence/Security; Electronics Design (Schematic/PCB); Embedded Software; RTOS; DO-178C/DO-254; Requirements; Systems Engineering; V&V; Cybersecurity (Embedded)	Bayern + more
15	Big	Eaton	Power management with power electronics and embedded control across industry and mobility.	Power Electronics; Inverters/Converters; Industrial Automation; Battery/BMS/E-Mobility; Embedded Software; Firmware; EMC/EMI; Testing/Test Automation; V&V	Nordrhein-Westfalen + more
16	Big	ebm-papst	Motors and fans with embedded motor control, power electronics and connected devices.	Drives & Motion Control; Motor Control; Power Electronics; Inverters/Converters; Closed-Loop Control; Embedded Software; Firmware; Mechatronic Systems; Connectivity/IoT Devices; EMC/EMI	Baden-Württemberg + more
17	Big	Endress+Hauser	Process instrumentation with sensors, embedded firmware and industrial field communication.	Process Instrumentation; Sensors/Industrial Sensing; Measurement Technology; Embedded Software; Firmware; Industrial Ethernet; IO-Link; Fieldbus; OPC UA; Electronics Design (Schematic/PCB); EMC/EMI	Baden-Württemberg + more
18	Big	Festo	Factory automation with embedded motion/control, robotics and industrial connectivity.	Industrial Automation; Factory Automation/Machinery; Robotics; Drives & Motion Control; Motor Control; Closed-Loop Control; Embedded Software; Firmware; Industrial Networking/IIoT; Industrial Ethernet; OPC UA	Baden-Württemberg + more

ID	Cpy. size	Company name	Short description	Tags	State (Bundesland)
19	Big	FORVIA	Automotive supplier with embedded electronics/software across multiple product domains.	Automotive/Mobility; Tier-1 Supplier; Embedded Software; Embedded Linux; CAN/LIN; Connectivity/IoT Devices; Testing/Test Automation; V&V; Functional Safety; ISO 26262	Baden-Württemberg + more
20	Big	FORVIA HELLA	Automotive electronics (lighting/sensing) with embedded SW/HW and safety processes.	Automotive/Mobility; Tier-1 Supplier; Sensors/Industrial Sensing; Embedded Software; Embedded C/Cpp; RTOS; CAN/LIN; Electronics Design (Schematic/PCB); Functional Safety; ISO 26262; V&V; Testing/Test Automation	Nordrhein-Westfalen, Baden-Württemberg + more
21	Big	Getinge	MedTech systems with electronics, embedded software and regulated verification/validation.	Medical Devices/MedTech; Embedded Software; Firmware; Electronics Design (Schematic/PCB); V&V; Testing/Test Automation; Requirements; Systems Engineering; Cybersecurity (Embedded)	Baden-Württemberg + more
22	Big	HARMAN	Infotainment/connected systems with embedded Linux, audio/DSP and device connectivity.	Automotive/Mobility; Embedded Linux; Embedded Software; Connectivity/IoT Devices; Bluetooth/Wi-Fi; Cybersecurity (Embedded); Testing/Test Automation; V&V; Systems Engineering	Bayern + more
23	Big	Herrenknecht	Heavy machinery with automation, motion control and embedded/controls engineering.	Factory Automation/Machinery; Industrial Automation; Drives & Motion Control; Power Electronics; Motor Control; Closed-Loop Control; Embedded Software; Firmware; Systems Engineering; V&V	Baden-Württemberg
24	Big	HENSOLDT	Sensor systems (radar/optronics) with embedded real-time processing and system engineering.	Defence/Security; Sensors/Industrial Sensing; Signal Processing; Sensor Fusion; Embedded Software; Embedded C/Cpp; RTOS; FPGA; Systems Engineering; Requirements; Cybersecurity (Embedded)	Baden-Württemberg, Bayern + more
25	Big	IBM	Edge/AI, systems and security work with strong engineering practices and tooling.	AI; Edge AI; Other AI Usage; Industrial Networking/IIoT; Connectivity/IoT Devices; Cybersecurity (Embedded); Systems Engineering; CI/CD (Embedded)	Baden-Württemberg + more

ID	Cpy. size	Company name	Short description	Tags	State (Bundesland)
26	Big	ifm	Industrial sensors and IIoT with firmware, IO-Link/industrial ethernet and device electronics.	Sensors/Industrial Sensing; Industrial Networking/IIoT; IO-Link; Industrial Ethernet; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Measurement Technology; Connectivity/IoT Devices	Baden-Württemberg + more
27	Big	John Deere	Mobile machines with embedded control, sensing and automation (incl. electrification).	Automotive/Mobility; Battery/BMS/E-Mobility; Motor Control; Embedded Software; Embedded C/Cpp; RTOS; CAN/LIN; Sensors/Industrial Sensing; Systems Engineering; HIL/SIL; Testing/Test Automation	Baden-Württemberg + more
28	Big	Kärcher	Mechatronic devices with motor control, electronics, connectivity and firmware development.	Mechatronic Systems; Motor Control; Power Electronics; Connectivity/IoT Devices; Embedded Software; Firmware; Embedded C/Cpp; EMC/EMI; Testing/Test Automation; V&V	Baden-Württemberg + more
29	Big	Knorr-Bremse	Rail and CV braking systems with embedded safety/control and rigorous V&V.	Rail/Signalling; Commercial Vehicles; Functional Safety; ISO 26262; EN 50128/50129; Embedded Software; RTOS; Embedded C/Cpp; Systems Engineering; V&V; Testing/Test Automation	Bayern, Baden-Württemberg + more
30	Big	Liebherr	Machinery and equipment with embedded control, drives and power electronics.	Factory Automation/Machinery; Drives & Motion Control; Motor Control; Power Electronics; Embedded Software; Firmware; Mechatronic Systems; Systems Engineering; V&V	Baden-Württemberg, Bayern + more
31	Big	MAHLE	Automotive supplier with e-mobility electronics and embedded control development.	Automotive/Mobility; Tier-1 Supplier; Battery/BMS/E-Mobility; Power Electronics; Inverters/Converters; Motor Control; Embedded Software; ISO 26262; Testing/Test Automation; V&V	Baden-Württemberg + more
32	Big	Magna	Tier-1 supplier with mechatronics/electronics and embedded SW across many product lines.	Automotive/Mobility; Tier-1 Supplier; Mechatronic Systems; Sensors/Industrial Sensing; Embedded Software; Embedded C/Cpp; RTOS; CAN/LIN; Electronics Design (Schematic/PCB); ISO 26262; V&V; Testing/Test Automation	Baden-Württemberg, Bayern + more

ID	Cpy. size	Company name	Short description	Tags	State (Bundesland)
33	Big	MANN+HUMMEL	Industrial/automotive solutions with sensing/monitoring and embedded-enabled products.	Sensors/Industrial Sensing; Connectivity/IoT Devices; Embedded Software; Firmware; Industrial Networking/IIoT; Measurement Technology; Testing/Test Automation; Systems Engineering	Baden-Württemberg + more
34	Big	Marquardt	Mechatronic systems and electronics with embedded SW/HW, security and safety processes.	Automotive/Mobility; Tier-1 Supplier; Mechatronic Systems; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Functional Safety; ISO 26262; Cybersecurity (Embedded); Connectivity/IoT Devices	Baden-Württemberg + more
35	Big	Mercedes-Benz Group (formerly Daimler AG)	Vehicle electronics/software with embedded platforms, integration, diagnostics and validation roles.	Automotive/Mobility; Embedded Software; Embedded Linux; RTOS; Embedded C/Cpp; CAN/LIN; Diagnostics/Calibration; HIL/SIL; Testing/Test Automation; V&V; Functional Safety; ISO 26262; Cybersecurity (Embedded)	Baden-Württemberg + more
36	Big	Parker Hannifin	Motion/control technologies with embedded control, sensors and power electronics.	Industrial Automation; Drives & Motion Control; Power Electronics; Motor Control; Closed-Loop Control; Sensors/Industrial Sensing; Embedded Software; Firmware; Systems Engineering	Baden-Württemberg + more
37	Big	Pepperl+Fuchs	Industrial sensing and hazardous-area tech with embedded firmware and industrial networking.	Sensors/Industrial Sensing; Process Instrumentation; Industrial Networking/IIoT; Industrial Ethernet; IO-Link; Embedded Software; Firmware; Electronics Design (Schematic/PCB); IEC 61508; Functional Safety; EMC/EMI	Baden-Württemberg + more
38	Big	Porsche	Automotive development with embedded ECUs, safety, validation and integration roles.	Automotive/Mobility; Embedded Software; RTOS; Embedded Linux; Embedded C/Cpp; CAN/LIN; Functional Safety; ISO 26262; Diagnostics/Calibration; HIL/SIL; Testing/Test Automation; Systems Engineering	Baden-Württemberg + more
39	Big	Rheinmetall	Defence and technology group with embedded electronics, systems engineering and testing.	Defence/Security; Sensors/Industrial Sensing; Embedded Software; RTOS; Embedded C/Cpp; Systems Engineering; Requirements; V&V; Testing/Test Automation; Cybersecurity (Embedded); Signal Processing	Nordrhein-Westfalen, Baden-Württemberg + more

ID	Cpy. size	Company name	Short description	Tags	State (Bundesland)
40	Big	Roche Diagnostics	Diagnostic instruments with embedded control, electronics and regulated V&V/QA.	Medical Devices/MedTech; Sensors/Industrial Sensing; Embedded Software; Embedded Linux; Electronics Design (Schematic/PCB); V&V; Testing/Test Automation; Requirements; Cybersecurity (Embedded)	Baden-Württemberg + more
41	Big	Rohde & Schwarz	RF test & measurement with embedded systems, FPGA/signal processing and cybersecurity.	Test & Measurement; Measurement Technology; Embedded Software; Embedded Linux; Firmware; Electronics Design (Schematic/PCB); EMC/EMI; FPGA; Signal Processing; Cybersecurity (Embedded); V&V	Bayern, Baden-Württemberg + more
42	Big	Rolls-Royce Power Systems	High-power engines/energy systems with ECU controls, diagnostics and embedded SW.	Drives & Motion Control; Power Electronics; Motor Control; Closed-Loop Control; Embedded Software; Firmware; Diagnostics/Calibration; Testing/Test Automation; V&V	Baden-Württemberg + more
43	Big	SAP	Industrial and IoT software/edge solutions; strong for software-heavy theses and tooling.	Industrial Networking/IIoT; Connectivity/IoT Devices; AI; Edge AI; Other AI Usage; Systems Engineering; CI/CD (Embedded); Cybersecurity (Embedded)	Baden-Württemberg + more
44	Big	Schaeffler	Mechatronic components with sensing/actuation and embedded control across mobility/industry.	Automotive/Mobility; Tier-1 Supplier; Mechatronic Systems; Sensors/Industrial Sensing; Battery/BMS/E-Mobility; Embedded Software; Functional Safety; ISO 26262; Testing/Test Automation	Bayern, Baden-Württemberg + more
45	Big	SICK	Industrial sensors/vision with embedded firmware, signal processing and field connectivity.	Sensors/Industrial Sensing; Computer Vision/Embedded Vision; Industrial Networking/IIoT; Industrial Ethernet; Embedded Software; Firmware; Signal Processing; Measurement Technology; V&V	Baden-Württemberg + more
46	Big	Siemens	Industrial automation/digitalization with embedded systems, networking and security.	Industrial Automation; Industrial Networking/IIoT; Industrial Ethernet; PROFINET; OPC UA; Drives & Motion Control; Embedded Software; Firmware; Systems Engineering; Cybersecurity (Embedded); Testing/Test Automation	Bayern, Baden-Württemberg + more

ID	Cpy. size	Company name	Short description	Tags	State (Bundesland)
47	Big	STIHL	Power tools with motor control, batteries, power electronics and embedded firmware.	Mechatronic Systems; Motor Control; Power Electronics; Battery/BMS/E-Mobility; Embedded Software; Firmware; EMC/EMI; Connectivity/IoT Devices; Testing/Test Automation	Baden-Württemberg + more
48	Big	Stryker	MedTech products and manufacturing with electronics/embedded roles and strong quality systems.	Medical Devices/MedTech; Embedded Software; Electronics Design (Schematic/PCB); V&V; Testing/Test Automation; Requirements; Cybersecurity (Embedded); Systems Engineering	Baden-Württemberg + more
49	Big	Syntegon	Packaging/processing machines with automation, industrial comms and embedded controls.	Factory Automation/Machinery; Industrial Automation; Drives & Motion Control; Industrial Networking/IIoT; OPC UA; Embedded Software; Firmware; V&V; Testing/Test Automation; Systems Engineering	Baden-Württemberg + more
50	Big	TRUMPF	Laser/machine tools with real-time control, industrial electronics and automation stacks.	Factory Automation/Machinery; Industrial Automation; Drives & Motion Control; Power Electronics; Motor Control; Closed-Loop Control; Industrial Networking/IIoT; Embedded Software; Firmware; Testing/Test Automation; V&V	Baden-Württemberg + more
51	Big	Valeo	Automotive supplier (sensors/electronics) with embedded SW, safety and V&V.	Automotive/Mobility; Tier-1 Supplier; Sensors/Industrial Sensing; Embedded Software; Embedded C/Cpp; RTOS; CAN/LIN; Functional Safety; ISO 26262; Sensor Fusion; V&V; Testing/Test Automation	Baden-Württemberg + more
52	Big	Voith	Drive and automation systems with embedded control, power electronics and system engineering.	Drives & Motion Control; Industrial Automation; Factory Automation/Machinery; Power Electronics; Embedded Software; Firmware; Systems Engineering; V&V; Testing/Test Automation	Baden-Württemberg + more
53	Big	ZEISS	Optics/imaging/metrology with embedded systems, vision and precision mechatronics.	Optics/Imaging/Metrology; Sensors/Industrial Sensing; Computer Vision/Embedded Vision; Embedded Software; Signal Processing; Electronics Design (Schematic/PCB); Systems Engineering; V&V; AI; Edge AI	Baden-Württemberg + more

ID	Cpy. size	Company name	Short description	Tags	State (Bundesland)
54	Big	ZF Friedrichshafen	Mobility systems with ECUs, e-drives and safety-critical embedded platforms.	Automotive/Mobility; Commercial Vehicles; Tier-1 Supplier; Battery/BMS/E-Mobility; Power Electronics; Embedded Software; RTOS; CAN/LIN; Functional Safety; ISO 26262; HIL/SIL; V&V; Testing/Test Automation	Baden-Württemberg, Bayern + more
55	Big	ZIEHL-ABEGG	Fans/motors and control tech with embedded motor control and power electronics.	Drives & Motion Control; Motor Control; Power Electronics; Closed-Loop Control; Embedded Software; Firmware; Mechatronic Systems; Industrial Networking/IIoT; Connectivity/IoT Devices; EMC/EMI	Baden-Württemberg + more
56	Medium	AMETEK CTS	EMC compliance test systems and instrumentation—good for HW, EMC and test engineering.	EMC/EMI; Test & Measurement; Measurement Technology; Electronics Design (Schematic/PCB); V&V; Testing/Test Automation	Nordrhein-Westfalen + more
57	Medium	Balluff	Industrial sensors/IO-Link with firmware, industrial ethernet and device electronics.	Sensors/Industrial Sensing; IO-Link; Industrial Ethernet; Industrial Networking/IIoT; Embedded Software; Firmware; Electronics Design (Schematic/PCB); OPC UA; Connectivity/IoT Devices	Baden-Württemberg
58	Medium	Baumer	Sensors and encoders with embedded firmware, industrial interfaces and electronics development.	Sensors/Industrial Sensing; Measurement Technology; Embedded Software; Firmware; Industrial Ethernet; IO-Link; Electronics Design (Schematic/PCB)	Hessen, Nordrhein-Westfalen, Berlin + more
59	Medium	Bertrandt	Engineering services with lots of embedded projects, requirements and test/validation work.	Systems Engineering; Requirements; Embedded Software; Testing/Test Automation; V&V; HIL/SIL; Functional Safety; ISO 26262	Baden-Württemberg + more
60	Medium	Bizerba	Weighing/inspection systems with embedded control, measurement electronics and connectivity.	Factory Automation/Machinery; Sensors/Industrial Sensing; Measurement Technology; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Connectivity/IoT Devices; V&V	Baden-Württemberg + more
61	Medium	Bosch Engineering	Embedded SW/HW and vehicle systems engineering services incl. HIL/SIL and calibration.	Automotive/Mobility; Embedded Software; Firmware; Testing/Test Automation; V&V; HIL/SIL; Diagnostics/Calibration; Functional Safety; ISO 26262; Systems Engineering	Baden-Württemberg

ID	Cpy. size	Company name	Short description	Tags	State (Bundesland)
62	Medium	Bosch Sensortec	MEMS sensors with firmware/algorithms, sensor fusion and low-power embedded development.	Sensors/Industrial Sensing; Semiconductors/IC Design; ASIC/Mixed-Signal; Embedded Software; Firmware; Signal Processing; Sensor Fusion; V&V	Baden-Württemberg + more
63	Medium	Bürkert	Fluid control with embedded controllers, sensors and industrial field communication.	Process Instrumentation; Sensors/Industrial Sensing; Embedded Software; Firmware; Industrial Ethernet; Fieldbus; IO-Link; Closed-Loop Control; Electronics Design (Schematic/PCB)	Baden-Württemberg + more
64	Medium	BDT Media Automation	Automation systems with controls, mechatronics and embedded/software integration.	Factory Automation/Machinery; Industrial Automation; Robotics; Embedded Software; Firmware; Testing/Test Automation; Systems Engineering; Industrial Networking/IIoT	Baden-Württemberg + more
65	Medium	Delta Energy Systems	Power electronics for charging/industrial supply with embedded control and EMC topics.	Power Electronics; Inverters/Converters; Battery/BMS/E-Mobility; Embedded Software; Firmware; EMC/EMI; Testing/Test Automation; V&V; Motor Control	Baden-Württemberg
66	Medium	dSPACE	HIL/SIL and toolchain leader—excellent for embedded testing, MBD and automation.	HIL/SIL; Testing/Test Automation; V&V; MBD; Requirements; Systems Engineering; Automotive/Mobility; Embedded Software	Nordrhein-Westfalen, Baden-Württemberg + more
67	Medium	Dürr Group	Factory automation/robotics with controls, IIoT connectivity and embedded components.	Factory Automation/Machinery; Industrial Automation; Robotics; Industrial Networking/IIoT; OPC UA; Embedded Software; Testing/Test Automation; Systems Engineering	Baden-Württemberg + more
68	Medium	Eberspächer	Automotive systems with ECU development, embedded software and functional safety processes.	Automotive/Mobility; Tier-1 Supplier; Embedded Software; CAN/LIN; Diagnostics/Calibration; Functional Safety; ISO 26262; Testing/Test Automation; V&V	Baden-Württemberg + more
69	Medium	E.G.O.	Appliance controls and components with embedded firmware, EMC and validation topics.	Connectivity/IoT Devices; Embedded Software; Firmware; Electronics Design (Schematic/PCB); EMC/EMI; Testing/Test Automation; V&V; Mechatronic Systems	Baden-Württemberg + more
70	Medium	ElringKlinger	E-mobility/system integration with testing, validation and electronics touchpoints.	Automotive/Mobility; Battery/BMS/E-Mobility; Power Electronics; Testing/Test Automation; V&V; Systems Engineering; Embedded Software	Baden-Württemberg + more

ID	Cpy. size	Company name	Short description	Tags	State (Bundesland)
71	Medium	ETAS	Embedded tooling/middleware and calibration/diagnostics with strong CI/CD and security themes.	Embedded Software; Diagnostics/Calibration; Testing/Test Automation; CI/CD (Embedded); Automotive/Mobility; Systems Engineering; Cybersecurity (Embedded)	Baden-Württemberg + more
72	Medium	Freudenberg Sealing Technologies	High-tech components and test engineering with sensing/mechatronics intersections.	Mechatronic Systems; Sensors/Industrial Sensing; Testing/Test Automation; V&V; Systems Engineering; Automotive/Mobility	Baden-Württemberg + more
73	Medium	Hansgrohe	Smart water products with embedded connectivity, firmware and device security themes.	Connectivity/IoT Devices; Embedded Software; Firmware; Bluetooth/Wi-Fi; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V; Cybersecurity (Embedded)	Baden-Württemberg + more
74	Medium	Hekatron	Fire detection/safety systems with embedded electronics, networking and verification.	Sensors/Industrial Sensing; Embedded Software; Firmware; Connectivity/IoT Devices; Industrial Networking/IIoT; Functional Safety; IEC 61508; Testing/Test Automation; V&V; Electronics Design (Schematic/PCB)	Baden-Württemberg
75	Medium	Heidelberger Druckmaschinen	Complex mechatronic machines with drives, control electronics and industrial networking.	Factory Automation/Machinery; Drives & Motion Control; Industrial Automation; Embedded Software; Firmware; Industrial Networking/IIoT; Industrial Ethernet; Testing/Test Automation; V&V	Baden-Württemberg + more
76	Medium	HIMA	Safety automation with IEC 61508 focus, embedded systems and industrial cybersecurity.	Functional Safety; IEC 61508; Industrial Automation; Embedded Software; Requirements; Systems Engineering; V&V; Cybersecurity (Embedded); IEC 62443	Baden-Württemberg + more
77	Medium	Hirschmann Automation & Control (Belden)	Industrial networking devices with embedded Linux, protocols and cybersecurity.	Industrial Networking/IIoT; Industrial Ethernet; PROFINET; EtherCAT; OPC UA; Embedded Linux; Embedded Software; Firmware; Cybersecurity (Embedded); IEC 62443	Baden-Württemberg + more
78	Medium	IMS CHIPS	ASIC/sensor systems and mixed-signal electronics—very HW-near and thesis-friendly.	Semiconductors/IC Design; ASIC/Mixed-Signal; Sensors/Industrial Sensing; Electronics Design (Schematic/PCB); FPGA; Embedded Software; Signal Processing; V&V	Baden-Württemberg
79	Medium	IPG Automotive	Simulation and test systems—strong fit for HIL/SIL, automation and V&V.	Testing/Test Automation; HIL/SIL; V&V; Automotive/Mobility; Systems Engineering; Requirements; Embedded Software	Baden-Württemberg + more

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80	Medium	Jetter (Bucher Automation)	Automation controllers/HMI with embedded software and industrial field interfaces.	Industrial Automation; Factory Automation/Machinery; Drives & Motion Control; Embedded Software; Firmware; Industrial Ethernet; Fieldbus; OPC UA; Closed-Loop Control	Baden-Württemberg
81	Medium	KARL STORZ	Med devices with optics, electronics and embedded software plus regulated validation.	Medical Devices/MedTech; Optics/Imaging/Metrology; Embedded Software; Firmware; Electronics Design (Schematic/PCB); V&V; Testing/Test Automation; Cybersecurity (Embedded); Systems Engineering	Baden-Württemberg + more
82	Medium	Kurtz Ersa	Electronics production equipment and automation with embedded control and test topics.	Factory Automation/Machinery; Electronics Design (Schematic/PCB); Testing/Test Automation; Industrial Automation; Embedded Software; EMC/EMI	Bayern, Baden-Württemberg + more
83	Medium	Leuze	Industrial sensors/safety components with firmware, IO-Link and industrial ethernet work.	Sensors/Industrial Sensing; Industrial Networking/IIoT; IO-Link; Industrial Ethernet; Embedded Software; Firmware; Functional Safety; IEC 61508; Electronics Design (Schematic/PCB)	Baden-Württemberg + more
84	Medium	LEIBINGER	Industrial inkjet systems with embedded control, electronics and connectivity.	Factory Automation/Machinery; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Industrial Networking/IIoT; Connectivity/IoT Devices; Testing/Test Automation; V&V	Baden-Württemberg
85	Medium	LAPP	Connectivity for industry—strong for industrial ethernet ecosystems and system engineering.	Industrial Networking/IIoT; Industrial Ethernet; PROFINET; EtherCAT; Connectivity/IoT Devices; Systems Engineering	Baden-Württemberg + more
86	Medium	Murrelektronik	I/O and connectivity for automation with embedded firmware and industrial networks.	Industrial Networking/IIoT; Industrial Ethernet; IO-Link; Fieldbus; OPC UA; Connectivity/IoT Devices; Embedded Software; Firmware; Electronics Design (Schematic/PCB)	Baden-Württemberg + more
87	Medium	Pilz	Safety automation with embedded controllers, industrial networks and security (IEC 62443).	Functional Safety; IEC 61508; Industrial Automation; Robotics; Industrial Ethernet; PROFINET; EtherCAT; Embedded Software; Systems Engineering; V&V; IEC 62443; Cybersecurity (Embedded)	Baden-Württemberg + more

ID	Cpy. size	Company name	Short description	Tags	State (Bundesland)
88	Medium	Physik Instrumente (PI)	Precision motion systems with closed-loop control, sensors and embedded controllers.	Drives & Motion Control; Closed-Loop Control; Motor Control; Mechatronic Systems; Sensors/Industrial Sensing; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Measurement Technology	Baden-Württemberg + more
89	Medium	R. STAHL	Explosion protection and industrial systems with embedded electronics and cybersecurity topics.	Process Instrumentation; Sensors/Industrial Sensing; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Industrial Networking/IIoT; Industrial Ethernet; Functional Safety; IEC 61508; IEC 62443; Cybersecurity (Embedded)	Baden-Württemberg + more
90	Medium	SCHUNK	Gripping/clamping/automation tech with mechatronics, actuators and embedded control.	Robotics; Industrial Automation; Mechatronic Systems; Actuators; Sensors/Industrial Sensing; Embedded Software; Closed-Loop Control; Drives & Motion Control	Baden-Württemberg + more
91	Medium	TDK-Micronas	Automotive sensor ICs with mixed-signal design, firmware and functional safety context.	Semiconductors/IC Design; ASIC/Mixed-Signal; Sensors/Industrial Sensing; Signal Processing; Firmware; Embedded C/Cpp; Functional Safety; ISO 26262	Baden-Württemberg + more
92	Medium	Testo	Measurement devices with sensor electronics, firmware and connected instrumentation.	Measurement Technology; Sensors/Industrial Sensing; Embedded Software; Firmware; Connectivity/IoT Devices; Bluetooth/Wi-Fi; Embedded Linux; Electronics Design (Schematic/PCB); Testing/Test Automation	Baden-Württemberg + more
93	Medium	VEGA	Process sensors (e.g., radar) with embedded firmware, industrial networks and electronics.	Process Instrumentation; Sensors/Industrial Sensing; Measurement Technology; Embedded Software; Firmware; Industrial Ethernet; Fieldbus; OPC UA; Electronics Design (Schematic/PCB)	Baden-Württemberg + more
94	Medium	Vector Informatik	Automotive embedded tooling and software engineering (AUTOSAR, networks, testing, CI/CD).	Embedded Software; Embedded C/Cpp; RTOS; Embedded Linux; CAN/LIN; Diagnostics/Calibration; CI/CD (Embedded); Testing/Test Automation; HIL/SIL; Functional Safety; ISO 26262; Cybersecurity (Embedded); Systems Engineering	Baden-Württemberg + more

ID	Cpy. size	Company name	Short description	Tags	State (Bundesland)
95	Medium	WITTENSTEIN	Mechatronic drive systems with motion control, embedded controllers and system integration.	Drives & Motion Control; Motor Control; Closed-Loop Control; Mechatronic Systems; Sensors/Industrial Sensing; Embedded Software; Firmware; Power Electronics; Electronics Design (Schematic/PCB)	Baden-Württemberg + more
96	Medium	Würth Elektronik	Electronics components/PCBs and modules—great for hardware, EMC and embedded product work.	Electronics Design (Schematic/PCB); EMC/EMI; Power Electronics; Connectivity/IoT Devices; Industrial Ethernet; Testing/Test Automation; Embedded Software; Firmware; Measurement Technology	Baden-Württemberg + more
97	SME	ALTEN	Engineering services with many entry roles in embedded, test automation and systems engineering.	Systems Engineering; Requirements; Embedded Software; Testing/Test Automation; V&V; HIL/SIL; Functional Safety; ISO 26262	Baden-Württemberg + more
98	SME	Akkodis	Engineering/IT services with embedded software, testing and systems engineering tracks.	Systems Engineering; Requirements; Embedded Software; Testing/Test Automation; V&V; HIL/SIL; Functional Safety; ISO 26262	Baden-Württemberg + more
99	SME	Bucher Automation	Automation solutions with embedded controllers, industrial connectivity and commissioning work.	Industrial Automation; Factory Automation/Machinery; Embedded Software; Firmware; Industrial Ethernet; OPC UA; Testing/Test Automation	Baden-Württemberg + more
100	SME	Capgemini Engineering	Large engineering services org with embedded, V&V, CI/CD and cybersecurity projects.	Systems Engineering; Requirements; Embedded Software; V&V; Testing/Test Automation; CI/CD (Embedded); Cybersecurity (Embedded); Automotive/Mobility; Industrial Automation	Baden-Württemberg + more
101	SME	Cinemo	Embedded/automotive software (Cpp/Linux) for infotainment and multimedia stacks.	Automotive/Mobility; Embedded Linux; Embedded Software; Embedded C/Cpp; CI/CD (Embedded); Testing/Test Automation; Connectivity/IoT Devices	Baden-Württemberg + more
102	SME	EDAG	Engineering services across E/E, embedded and validation with strong automotive focus.	Automotive/Mobility; Systems Engineering; Requirements; Embedded Software; Electronics Design (Schematic/PCB); Testing/Test Automation; Functional Safety; ISO 26262	Hessen, Baden-Württemberg + more

ID	Cpy. size	Company name	Short description	Tags	State (Bundesland)
103	SME	embeX	Embedded engineering (often safety-critical) with firmware, RTOS and structured V&V.	Embedded Software; Firmware; Embedded C/Cpp; RTOS; Functional Safety; ISO 26262; IEC 61508; V&V; Testing/Test Automation; Requirements; Systems Engineering; Cybersecurity (Embedded)	Baden-Württemberg
104	SME	emtrion	Embedded HW/SW development (boards, firmware, Linux/RTOS) with low-level work.	Embedded Linux; RTOS; Embedded Software; Firmware; Embedded C/Cpp; Electronics Design (Schematic/PCB); Device Drivers/Low-Level; Industrial Ethernet; Connectivity/IoT Devices; Testing/Test Automation	Baden-Württemberg
105	SME	Exxeta	Digital engineering with IIoT/edge and data-driven projects relevant for embedded-adjacent roles.	Industrial Networking/IIoT; Connectivity/IoT Devices; AI; Other AI Usage; Systems Engineering; CI/CD (Embedded)	Baden-Württemberg + more
106	SME	FERCHAU	Engineering services with many entry positions in embedded software, test and validation.	Systems Engineering; Requirements; Embedded Software; Testing/Test Automation; V&V; HIL/SIL; Functional Safety; ISO 26262	Niedersachsen, Baden-Württemberg + more
107	SME	Fraunhofer (BW institutes)	Applied research with many internships/theses in sensors, robotics, embedded and AI.	Sensors/Industrial Sensing; Industrial Automation; Robotics; Embedded Software; AI; Edge AI; Testing/Test Automation; Systems Engineering; Computer Vision/Embedded Vision; Signal Processing	Baden-Württemberg + more
108	SME	FZI	Applied research in robotics/AI/embedded systems with strong industry project exposure.	Robotics; Sensors/Industrial Sensing; Embedded Software; AI; Edge AI; Computer Vision/Embedded Vision; Industrial Networking/IIoT; Systems Engineering	Baden-Württemberg
109	SME	Hahn-Schickard	R&D for microsystems with embedded HW/SW, sensors and MedTech-oriented projects.	Medical Devices/MedTech; Sensors/Industrial Sensing; Semiconductors/IC Design; Electronics Design (Schematic/PCB); Embedded Software; Firmware; Testing/Test Automation; V&V; Connectivity/IoT Devices	Baden-Württemberg + more
110	SME	HEINZMANN	Drive/control technology with embedded motor control, power electronics and diagnostics.	Drives & Motion Control; Motor Control; Closed-Loop Control; Power Electronics; Inverters/Converters; Embedded Software; Firmware; Diagnostics/Calibration; Testing/Test Automation	Baden-Württemberg + more

ID	Cpy. size	Company name	Short description	Tags	State (Bundesland)
111	SME	HighTec EDV-Systeme	Embedded toolchains/compilers and low-level software engineering for microcontrollers.	Embedded C/Cpp; Device Drivers/Low-Level; RTOS; Embedded Software; CI/CD (Embedded); Automotive/Mobility	Baden-Württemberg + more
112	SME	IAV	Automotive engineering with ECU development, calibration, embedded SW and validation.	Automotive/Mobility; Embedded Software; Diagnostics/Calibration; Testing/Test Automation; HIL/SIL; Systems Engineering; Requirements; Functional Safety; ISO 26262; CAN/LIN	Berlin, Baden-Württemberg + more
113	SME	NewTec	Safety-critical embedded systems across rail/aerospace/industry with strong V&V culture.	Embedded Software; RTOS; Firmware; Functional Safety; IEC 61508; EN 50128/50129; DO-178C/DO-254; V&V; Testing/Test Automation; Requirements; Systems Engineering; Cybersecurity (Embedded)	Baden-Württemberg + more
114	SME	P3 Group	Engineering/consulting with embedded, battery/e-mobility and safety-focused projects.	Automotive/Mobility; Battery/BMS/E-Mobility; Systems Engineering; Requirements; Testing/Test Automation; HIL/SIL; Functional Safety; ISO 26262; Cybersecurity (Embedded)	Baden-Württemberg + more
115	SME	Porsche Engineering	Engineering services for embedded systems, E/E architecture, e-mobility and V&V.	Automotive/Mobility; Embedded Software; Systems Engineering; Requirements; Testing/Test Automation; HIL/SIL; Functional Safety; ISO 26262; Battery/BMS/E-Mobility	Baden-Württemberg + more
116	SME	SensoPart	Vision/sensors for automation with embedded firmware, signal processing and interfaces.	Sensors/Industrial Sensing; Computer Vision/Embedded Vision; Embedded Software; Firmware; Signal Processing; Industrial Ethernet; IO-Link; Testing/Test Automation	Baden-Württemberg
117	SME	Synapticon	Motion-control electronics for robotics with embedded control, power electronics and EtherCAT.	Drives & Motion Control; Motor Control; Power Electronics; Inverters/Converters; Closed-Loop Control; Embedded Software; Firmware; RTOS; Industrial Ethernet; EtherCAT; Robotics	Baden-Württemberg
118	SME	Wibu-Systems	Embedded/IIoT security (protection/crypto) for devices and industrial environments.	Cybersecurity (Embedded); IEC 62443; Embedded Software; Embedded Linux; Device Drivers/Low-Level; Connectivity/IoT Devices; Systems Engineering	Baden-Württemberg

ID	Cpy. size	Company name	Short description	Tags	State (Bundesland)
119	Big	SEW-EURODRIVE	Drive technology (gearmotors, inverters) with lots of embedded motor control, power electronics and industrial comms.	Drives & Motion Control; Motor Control; Power Electronics; Inverters/Converters; Closed-Loop Control; Industrial Automation; Embedded Software; Firmware; Industrial Ethernet; PROFINET; EtherCAT; Testing/Test Automation; Systems Engineering	Baden-Württemberg + more
120	Big	FANUC	Industrial robotics and CNC/automation systems with embedded control, motion and field integration.	Robotics; Industrial Automation; Factory Automation/Machinery; Drives & Motion Control; Motor Control; Closed-Loop Control; Embedded Software; Firmware; Industrial Networking/IIoT; Industrial Ethernet; PROFINET; Testing/Test Automation	Baden-Württemberg + more
121	Medium	Bihl+Wiedemann	AS-Interface automation & safety solutions—great fit for embedded devices, industrial networking and safety topics.	Industrial Automation; Factory Automation/Machinery; Industrial Networking/IIoT; Fieldbus; Industrial Ethernet; PROFINET; Embedded Software; Firmware; Functional Safety; IEC 61508; IEC 62443; Cybersecurity (Embedded); Testing/Test Automation	Baden-Württemberg + more
122	Medium	IDS Imaging Development Systems	Machine-vision cameras and embedded vision products with firmware, drivers and imaging pipelines.	Computer Vision/Embedded Vision; Sensors/Industrial Sensing; Optics/Imaging/Metrology; Embedded Software; Firmware; Embedded Linux; Device Drivers/Low-Level; Signal Processing; Connectivity/IoT Devices; Testing/Test Automation	Baden-Württemberg + more
123	Medium	Vision Components	Embedded camera modules and vision systems (MIPI/SoM) with Linux-based development and low-level integration.	Computer Vision/Embedded Vision; Sensors/Industrial Sensing; Embedded Linux; Embedded Software; Firmware; Device Drivers/Low-Level; Signal Processing; Connectivity/IoT Devices; Electronics Design (Schematic/PCB); Testing/Test Automation	Baden-Württemberg
124	SME	Chromasens	3D/multispectral line-scan imaging solutions—embedded vision, electronics and real-time processing close to the sensor.	Optics/Imaging/Metrology; Computer Vision/Embedded Vision; Sensors/Industrial Sensing; Signal Processing; Embedded Software; Firmware; Embedded Linux; Electronics Design (Schematic/PCB); Testing/Test Automation	Baden-Württemberg

ID	Cpy. size	Company name	Short description	Tags	State (Bundesland)
125	Medium	wenglor sensoric group	Industrial sensors, safety and machine-vision products with device firmware and industrial interfaces.	Sensors/Industrial Sensing; Computer Vision/Embedded Vision; Industrial Networking/IIoT; IO-Link; Industrial Ethernet; Embedded Software; Firmware; Signal Processing; Connectivity/IoT Devices; Testing/Test Automation	Baden-Württemberg + more
126	Medium	TR-Electronic	Encoders and industrial sensing with embedded interfaces (fieldbus/ethernet) and electronics development.	Sensors/Industrial Sensing; Measurement Technology; Industrial Networking/IIoT; Industrial Ethernet; Fieldbus; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation	Baden-Württemberg
127	Medium	J. Schmalz	Vacuum automation for handling/robotics with mechatronics, controllers and connected devices.	Industrial Automation; Factory Automation/Machinery; Robotics; Mechatronic Systems; Actuators; Embedded Software; Firmware; Connectivity/IoT Devices; Testing/Test Automation	Baden-Württemberg + more
128	Medium	Polytec	Optical measurement systems (vibrometry/surface metrology) blending precision sensing, signal processing and embedded electronics.	Optics/Imaging/Metrology; Measurement Technology; Sensors/Industrial Sensing; Signal Processing; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Baden-Württemberg + more
129	Medium	EUCHNER	Safety switches and automation components—embedded electronics, networking and functional safety workflows.	Functional Safety; IEC 61508; Industrial Automation; Factory Automation/Machinery; Sensors/Industrial Sensing; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Industrial Ethernet; PROFINET; Testing/Test Automation	Baden-Württemberg + more
130	Medium	Berghof Automation	Control systems and test technology with embedded software, industrial connectivity and validation-heavy projects.	Industrial Automation; Factory Automation/Machinery; Testing/Test Automation; V&V; Embedded Software; Firmware; Industrial Networking/IIoT; Industrial Ethernet; OPC UA; Systems Engineering; Requirements	Baden-Württemberg + more
131	Medium	Friedrich Lütze	Automation connectivity and electronics (incl. Linux platform roles) spanning industrial networking and device development.	Industrial Networking/IIoT; Industrial Ethernet; PROFINET; EtherCAT; Connectivity/IoT Devices; Embedded Linux; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation	Baden-Württemberg + more

ID	Cpy. size	Company name	Short description	Tags	State (Bundesland)
132	Medium	KACO new energy	PV/storage inverters with power electronics, embedded Linux/firmware, control and EMC/validation topics.	Power Electronics; Inverters/Converters; Battery/BMS/E-Mobility; Embedded Linux; Embedded Software; Firmware; EMC/EMI; Closed-Loop Control; Testing/Test Automation; V&V	Baden-Württemberg + more
133	Medium	Dunkermotoren	Drives and mechatronic actuators with embedded motor control, electronics and product validation.	Drives & Motion Control; Motor Control; Closed-Loop Control; Power Electronics; Embedded Software; Firmware; Mechatronic Systems; EMC/EMI; Testing/Test Automation; V&V	Baden-Württemberg + more
134	Medium	MRS Electronic	Embedded controllers and electronics for mobile machines/vehicles—good for firmware, validation and E/E integration.	Automotive/Mobility; Commercial Vehicles; Embedded Software; Firmware; Embedded C/Cpp; CAN/LIN; Diagnostics/Calibration; Testing/Test Automation; V&V; Systems Engineering	Baden-Württemberg + more
135	SME	BWO Electronic	CNC control systems for machine tools—embedded real-time control, motion and industrial integration.	Factory Automation/Machinery; Drives & Motion Control; Motor Control; Closed-Loop Control; Embedded Software; Firmware; Embedded C/Cpp; Industrial Ethernet; Fieldbus; Testing/Test Automation	Baden-Württemberg
136	SME	NEURA Robotics	Robotics company with strong overlap of embedded systems, perception, edge AI and mechatronics.	Robotics; AI; Edge AI; embedded AI; Computer Vision/Embedded Vision; Sensors/Industrial Sensing; Sensor Fusion; Signal Processing; Embedded Software; Embedded Linux; RTOS; Systems Engineering	Baden-Württemberg + more
137	Medium	SMR Automotive	Automotive camera/mirror systems with SoC-level embedded SW, drivers and vision-related processing.	Automotive/Mobility; Tier-1 Supplier; Computer Vision/Embedded Vision; Signal Processing; Embedded Software; Embedded Linux; Device Drivers/Low-Level; Firmware; Testing/Test Automation; V&V; Functional Safety; ISO 26262	Baden-Württemberg + more
138	Medium	Hectronic	Parking, payment and e-mobility solutions with connected devices and embedded/IoT-heavy product work.	Battery/BMS/E-Mobility; Connectivity/IoT Devices; Embedded Software; Embedded Linux; Firmware; Electronics Design (Schematic/PCB); Cybersecurity (Embedded); Testing/Test Automation; V&V	Baden-Württemberg + more

ID	Cpy. size	Company name	Short description	Tags	State (Bundesland)
139	Medium	Fritz Kübler	Encoders and counting/measurement electronics with embedded interfaces and device-level development.	Sensors/Industrial Sensing; Measurement Technology; Industrial Networking/IIoT; Industrial Ethernet; IO-Link; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation	Baden-Württemberg + more
140	Medium	Securiton Deutschland	Security and fire/alarm systems with embedded devices, connectivity and verification-heavy engineering.	Defence/Security; Sensors/Industrial Sensing; Connectivity/IoT Devices; Embedded Software; Firmware; Cybersecurity (Embedded); IEC 62443; Testing/Test Automation; V&V	Baden-Württemberg + more
141	Medium	FAULHABER	Precision drive systems (micromotors/encoders) with embedded motor control and electronics development.	Drives & Motion Control; Motor Control; Closed-Loop Control; Mechatronic Systems; Embedded Software; Firmware; Electronics Design (Schematic/PCB)	Baden-Württemberg + more
142	Medium	Kistler Group	Industrial sensing and measurement technology with embedded firmware, signal processing and HW development.	Sensors/Industrial Sensing; Measurement Technology; Test & Measurement; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Signal Processing; Testing/Test Automation; V&V	Baden-Württemberg + more
143	Medium	HMS Networks	Industrial networking/IIoT products (gateways, connectivity) with embedded software and protocol work.	Industrial Networking/IIoT; Industrial Ethernet; Fieldbus; OPC UA; MQTT; Connectivity/IoT Devices; Embedded Software; Embedded Linux	Baden-Württemberg + more
144	Medium	Lorch Schweißtechnik	Welding power sources/systems with power electronics, embedded control and industrial automation interfaces.	Factory Automation/Machinery; Industrial Automation; Power Electronics; Embedded Software; Firmware; Electronics Design (Schematic/PCB); EMC/EMI; Testing/Test Automation	Baden-Württemberg + more
145	Medium	VARTA	Battery technology with BMS-related engineering, power electronics touchpoints and product validation.	Battery/BMS/E-Mobility; Power Electronics; Embedded Software; Firmware; Testing/Test Automation; V&V	Baden-Württemberg + more
146	SME	MESCO Engineering	Embedded engineering services (HW/SW) incl. low-level development, testing and safety-oriented projects.	Embedded Software; Embedded C/Cpp; RTOS; Embedded Linux; Device Drivers/Low-Level; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V; Systems Engineering; Requirements	Baden-Württemberg + more

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147	Medium	csi entwicklungstechnik	Engineering services for embedded/electronics with strong automotive validation, tooling and integration work.	Automotive/Mobility; Embedded Software; Embedded C/Cpp; Embedded Linux; Testing/Test Automation; HIL/SIL; Systems Engineering; Requirements; Functional Safety; ISO 26262	Baden-Württemberg, Bayern + more
148	SME	ViGEM	Engineering consultancy for embedded/ECU topics, testing and systems engineering across mobility/industry.	Automotive/Mobility; Embedded Software; Embedded C/Cpp; Embedded Linux; Testing/Test Automation; V&V; HIL/SIL; Systems Engineering; Requirements; CI/CD (Embedded)	Baden-Württemberg, Bayern + more
149	Medium	AIM Infrarot-Module	IR sensor modules for demanding applications with embedded electronics, imaging and signal processing.	Sensors/Industrial Sensing; Optics/Imaging/Metrology; Computer Vision/Embedded Vision; Signal Processing; Embedded Software; Firmware; Electronics Design (Schematic/PCB); V&V	Baden-Württemberg + more
150	SME	burster	Precision measurement components/instruments with electronics design and embedded-capable products.	Sensors/Industrial Sensing; Measurement Technology; Test & Measurement; Electronics Design (Schematic/PCB); Embedded Software; Firmware; EMC/EMI	Baden-Württemberg + more
151	SME	Volocopter	eVTOL developer with avionics-adjacent embedded work, electrification and system validation topics.	Aerospace/Avionics; Battery/BMS/E-Mobility; Embedded Software; Embedded C/Cpp; RTOS; Systems Engineering; Testing/Test Automation; V&V	Baden-Württemberg + more
152	Medium	Berthold Technologies	Process/radiation instrumentation with embedded electronics, sensing and regulated testing needs.	Process Instrumentation; Sensors/Industrial Sensing; Measurement Technology; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Baden-Württemberg + more
153	Medium	METZ CONNECT	Industrial connectivity components/systems with strong IIoT/industrial ethernet ecosystem relevance.	Industrial Networking/IIoT; Industrial Ethernet; Connectivity/IoT Devices; Electronics Design (Schematic/PCB)	Baden-Württemberg + more
154	Medium	elobau	Sensors and control elements for machinery/vehicles with embedded electronics and mechatronics.	Sensors/Industrial Sensing; Mechatronic Systems; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Automotive/Mobility; Commercial Vehicles	Baden-Württemberg + more

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155	Medium	J. Wagner / WAGNER Group	Surface-finishing equipment with automation, controls and embedded/IIoT connectivity topics.	Factory Automation/Machinery; Industrial Automation; Robotics; Embedded Software; Firmware; Industrial Networking/IIoT; Testing/Test Automation	Baden-Württemberg + more
156	SME	Apex.AI	Safety-oriented software stack for mobility/robotics with embedded Linux/RTOS and CI/CD-heavy work.	Automotive/Mobility; Embedded Software; Embedded C/Cpp; RTOS; Embedded Linux; Functional Safety; ISO 26262; CI/CD (Embedded); Systems Engineering; Requirements	Baden-Württemberg, Bayern + more
157	Medium	Hirschmann Automotive	Automotive connectivity/mechatronics with electronics development, validation and production-near engineering.	Automotive/Mobility; Tier-1 Supplier; Connectivity/IoT Devices; CAN/LIN; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Baden-Württemberg + more
158	Medium	TESAT-Spacecom	Space communication payloads with embedded systems, FPGA/signal processing and systems engineering.	Aerospace/Avionics; Optics/Imaging/Metrology; Signal Processing; FPGA; Embedded Software; Embedded C/Cpp; RTOS; Systems Engineering; Requirements; V&V; Testing/Test Automation; Cybersecurity (Embedded)	Baden-Württemberg + more
159	Medium	ZwickRoell	Test and measurement machines with embedded control, automation and mechatronics-heavy development.	Test & Measurement; Measurement Technology; Factory Automation/Machinery; Industrial Automation; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Baden-Württemberg + more
160	Medium	RAFI	HMI/control components and electronics with embedded firmware and industrial device development roles.	Industrial Automation; Connectivity/IoT Devices; Embedded Software; Firmware; Electronics Design (Schematic/PCB); EMC/EMI; Testing/Test Automation; V&V	Baden-Württemberg + more
161	Medium	Kontron Electronics	Embedded electronics development/production with low-level SW and hardware design for industry/medical/security.	Embedded Software; Embedded Linux; Device Drivers/Low-Level; Firmware; Electronics Design (Schematic/PCB); EMC/EMI; Testing/Test Automation; V&V	Baden-Württemberg + more
162	Medium	ACONEXT	Engineering services offering many entry roles in embedded, E/E, testing and systems engineering.	Systems Engineering; Requirements; Embedded Software; Testing/Test Automation; V&V; HIL/SIL; Functional Safety; ISO 26262; Electronics Design (Schematic/PCB)	Baden-Württemberg + more

ID	Cpy. size	Company name	Short description	Tags	State (Bundesland)
163	SME	STÖRK-TRONIC	Embedded electronics and measurement/control technology with HW-near embedded development (incl. MedTech projects).	Medical Devices/MedTech; Measurement Technology; Embedded Software; Firmware; Embedded C/Cpp; Electronics Design (Schematic/PCB); EMC/EMI; Testing/Test Automation; V&V	Baden-Württemberg
164	SME	NeuroCheck	Machine-vision software/sensor solutions with embedded-vision, algorithms and integration-focused engineering.	Computer Vision/Embedded Vision; Sensors/Industrial Sensing; Signal Processing; Embedded Software; Embedded C/Cpp; Embedded Linux; CI/CD (Embedded); Testing/Test Automation; Systems Engineering	Baden-Württemberg
166	Big	DLR (Institute of Vehicle Concepts)	Public research institute with strong thesis/internship options in vehicle electrification, sensing and embedded/control topics.	Automotive/Mobility; Battery/BMS/E-Mobility; Sensors/Industrial Sensing; Embedded Software; Systems Engineering; Testing/Test Automation; AI; Edge AI	Baden-Württemberg, Bayern, Berlin, Bremen, Hamburg, Nordrhein-Westfalen + more
167	Big	SEG Automotive	E-machine and 48V/EV powertrain supplier with embedded control, power electronics and validation roles.	Automotive/Mobility; Tier-1 Supplier; Battery/BMS/E-Mobility; Power Electronics; Inverters/Converters; Motor Control; Embedded Software; Firmware; Functional Safety; ISO 26262; HIL/SIL; Testing/Test Automation; V&V	Baden-Württemberg + more
168	Big	Thales Deutschland	Defence/avionics/rail systems with security- and safety-critical embedded SW and systems engineering.	Defence/Security; Aerospace/Avionics; Rail/Signalling; DO-178C/DO-254; EN 50128/50129; Cybersecurity (Embedded); Embedded Software; Embedded C/Cpp; RTOS; FPGA; Signal Processing; Systems Engineering; Requirements; V&V; Testing/Test Automation	Baden-Württemberg, Bayern, Berlin, Hamburg, Hessen, Nordrhein-Westfalen + more
169	Big	VIAVI Solutions (JDSU Deutschland)	Network/optical test & measurement solutions with embedded electronics/FPGA and signal-processing-heavy engineering.	Test & Measurement; Optics/Imaging/Metrology; Measurement Technology; Embedded Software; Firmware; FPGA; Signal Processing; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Baden-Württemberg + more
170	Medium	A123 Systems	Battery technology (cells/modules) with engineering roles around packs/BMS interfaces, test and industrialization.	Battery/BMS/E-Mobility; Power Electronics; Testing/Test Automation; V&V; Systems Engineering	Baden-Württemberg + more

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171	Medium	ADS-TEC Energy	Fast-charging and battery storage systems with power electronics, embedded control and connectivity.	Battery/BMS/E-Mobility; Power Electronics; Inverters/Converters; Embedded Software; Firmware; Embedded Linux; Connectivity/IoT Devices; Industrial Networking/IIoT; Cybersecurity (Embedded); EMC/EMI; Testing/Test Automation	Baden-Württemberg + more
172	Medium	ADS-TEC Industrial IT	Industrial edge computers/IIoT platforms—good for embedded Linux, device integration and industrial connectivity.	Industrial Networking/IIoT; Connectivity/IoT Devices; Embedded Linux; Device Drivers/Low-Level; Industrial Ethernet; OPC UA; MQTT; Cybersecurity (Embedded); IEC 62443; CI/CD (Embedded)	Baden-Württemberg + more
173	Medium	AMKmotion	Servo drives and motion controllers for machinery with real-time control and power-electronics-heavy development.	Drives & Motion Control; Motor Control; Closed-Loop Control; Power Electronics; Inverters/Converters; Industrial Automation; Factory Automation/Machinery; Embedded Software; Firmware; RTOS; Mechatronic Systems	Baden-Württemberg + more
174	Medium	BARTEC	Explosion-protection and hazardous-area products with embedded electronics, safety and industrial comms.	Process Instrumentation; Sensors/Industrial Sensing; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Functional Safety; IEC 61508; Cybersecurity (Embedded); IEC 62443; Industrial Networking/IIoT; Industrial Ethernet; Testing/Test Automation; EMC/EMI	Baden-Württemberg + more
175	Medium	ELECTROSTAR	Motor-driven cleaning appliances with mechatronics, electronics and firmware-adjacent product development.	Mechatronic Systems; Motor Control; Power Electronics; Embedded Software; Firmware; EMC/EMI; Testing/Test Automation; V&V	Baden-Württemberg
176	Medium	FEIN	Power tools for metalworking with mechatronics, motor control and battery electronics.	Mechatronic Systems; Motor Control; Power Electronics; Battery/BMS/E-Mobility; Embedded Software; Firmware; EMC/EMI; Testing/Test Automation; V&V	Baden-Württemberg + more
177	Medium	GEORG SCHLEGEL	Control/HMI components for machinery—relevant for electronics development close to industrial automation.	Industrial Automation; Factory Automation/Machinery; Electronics Design (Schematic/PCB); Embedded Software; Firmware; EMC/EMI; Testing/Test Automation	Baden-Württemberg + more

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178	Medium	Küenle Antriebssysteme	Industrial drives and motors with control engineering and power-electronics interfaces.	Drives & Motion Control; Motor Control; Power Electronics; Closed-Loop Control; Mechatronic Systems; Testing/Test Automation	Baden-Württemberg + more
179	Medium	NDI Europe	Optical tracking/metrology systems with imaging, sensors and embedded HW/SW R&D.	Optics/Imaging/Metrology; Sensors/Industrial Sensing; Computer Vision/Embedded Vision; Signal Processing; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Measurement Technology; Testing/Test Automation; V&V	Baden-Württemberg + more
180	Medium	PFISTERER Kontaktsysteme	High-voltage connection technology for grid and electrification infrastructure with strong test/engineering work.	Power Electronics; Measurement Technology; Testing/Test Automation; Systems Engineering; V&V	Baden-Württemberg + more
182	Medium	Richard Wolf	Endoscopy/MedTech systems with embedded electronics, imaging and regulated V&V processes.	Medical Devices/MedTech; Optics/Imaging/Metrology; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Cybersecurity (Embedded); V&V; Testing/Test Automation; Requirements; Systems Engineering	Baden-Württemberg + more
183	Medium	UMS (United Monolithic Semiconductors)	RF/microwave semiconductor manufacturer—IC/mixed-signal topics and high-frequency test engineering.	Semiconductors/IC Design; ASIC/Mixed-Signal; Test & Measurement; Measurement Technology	Baden-Württemberg + more
184	SME	ATS-Systeme (Automatisierungstechnik Sykora)	Automation specialist (PLC/HMI and industrial systems) with controls and commissioning-heavy engineering.	Industrial Automation; Factory Automation/Machinery; Testing/Test Automation; Systems Engineering	Baden-Württemberg
185	SME	comemso electronics	Test systems for EV charging/batteries with automation, tooling and validation focus (great for theses).	Test & Measurement; Testing/Test Automation; HIL/SIL; Battery/BMS/E-Mobility; Power Electronics; Automotive/Mobility; Embedded Software; V&V; Systems Engineering	Baden-Württemberg
186	SME	KEINATH Electronic	ESD measurement/test equipment—instrumentation and electronics-focused engineering.	Test & Measurement; Measurement Technology; Electronics Design (Schematic/PCB); EMC/EMI; Sensors/Industrial Sensing; Testing/Test Automation; V&V	Baden-Württemberg
187	SME	Leutron	Lightning and surge protection products—relevant for EMC/high-energy protection engineering.	EMC/EMI; Power Electronics; Measurement Technology	Baden-Württemberg
188	SME	TEKON Prüftechnik	Test adapters and test equipment for electronics manufacturing with automation + measurement focus.	Test & Measurement; Testing/Test Automation; Measurement Technology; Industrial Automation; Electronics Design (Schematic/PCB)	Baden-Württemberg

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189	SME	vialytics	AI-based road-condition monitoring (computer vision) with edge/mobile and data engineering roles.	AI; Computer Vision/Embedded Vision; Edge AI; Other AI Usage; Systems Engineering; Connectivity/IoT Devices; Industrial Networking/IIoT	Baden-Württemberg + more
190	SME	Actimage	Software engineering company with projects in Embedded/IoT products (often good for internships and theses).	Embedded Software; Embedded Linux; Connectivity/IoT Devices; CI/CD (Embedded); Testing/Test Automation	Baden-Württemberg + more
191	SME	ANTRIMON	Develops mechatronic systems and electronics (incl. embedded/connected device development topics).	Mechatronic Systems; Sensors/Industrial Sensing; Electronics Design (Schematic/PCB); Embedded Software; Firmware; Connectivity/IoT Devices	Baden-Württemberg + more
192	SME	2E mechatronic	Mechatronic components/systems incl. sensor-related products—hands-on HW/SW exposure possible.	Mechatronic Systems; Sensors/Industrial Sensing; Electronics Design (Schematic/PCB); Embedded Software; Firmware; Testing/Test Automation	Baden-Württemberg
193	SME	BRIEM Steuerungstechnik	Cleanroom monitoring/automation—sensor-heavy systems with embedded/control and validation work.	Sensors/Industrial Sensing; Process Instrumentation; Measurement Technology; Industrial Networking/IIoT; Connectivity/IoT Devices; Embedded Software; Firmware; V&V; Testing/Test Automation	Baden-Württemberg
194	SME	C.R.S. iiMotion	Embedded vision/camera systems with FPGA/signal processing and real-time software topics.	Computer Vision/Embedded Vision; Optics/Imaging/Metrology; Signal Processing; FPGA; Embedded Software; Embedded C/Cpp; Edge AI; embedded AI	Baden-Württemberg
195	Medium	CHIRON Group	Machine tools & automation—controls, industrial connectivity and system engineering around complex machinery.	Factory Automation/Machinery; Industrial Automation; Drives & Motion Control; Industrial Networking/IIoT; Embedded Software; Systems Engineering; Testing/Test Automation; V&V	Baden-Württemberg + more
196	Big	MinebeaMitsumi (Technology Center Europe)	Drives/electronics development site with roles incl. "Embedded Systems", cybersecurity and applied engineering projects.	Drives & Motion Control; Motor Control; Sensors/Industrial Sensing; Embedded Software; Firmware; Embedded C/Cpp; Cybersecurity (Embedded); AI; Edge AI	Baden-Württemberg + more
197	SME	NEXT Robotics	Robotics/automation partner (cobots) with strong systems & integration engineering fit.	Robotics; Industrial Automation; Factory Automation/Machinery; Systems Engineering; Testing/Test Automation; Industrial Networking/IIoT	Baden-Württemberg

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198	SME	NMI (Reutlingen)	Applied R&D institute for microsystems/sensors & MedTech—excellent for thesis/internship projects.	Sensors/Industrial Sensing; Measurement Technology; Medical Devices/MedTech; Signal Processing; Electronics Design (Schematic/PCB); V&V; Testing/Test Automation	Baden-Württemberg
199	Medium	cellcentric	Fuel-cell systems for heavy-duty mobility—systems engineering plus embedded/control and test-heavy development.	Commercial Vehicles; Automotive/Mobility; Power Electronics; Embedded Software; Embedded C/Cpp; Systems Engineering; Requirements; V&V; Testing/Test Automation	Baden-Württemberg + more
200	Medium	groninger	Machinery for pharma/cosmetics—automation, controls and industrial engineering roles around high-end equipment.	Factory Automation/Machinery; Industrial Automation; Robotics; Industrial Networking/IIoT; Embedded Software; Systems Engineering; Testing/Test Automation; V&V	Baden-Württemberg, Bayern + more
201	Big	IMS Gear	Drive/actuator systems for mobility/industry—strong mechatronics and motion-control ecosystem.	Drives & Motion Control; Mechatronic Systems; Actuators; Automotive/Mobility; Systems Engineering; Testing/Test Automation	Baden-Württemberg + more
202	Medium	Theben	Building/smart-energy electronics with embedded firmware, electronics development and test lab topics.	Connectivity/IoT Devices; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; Cybersecurity (Embedded)	Baden-Württemberg + more
203	Medium	B&R (B&R Industrie-Elektronik)	Industrial automation (controllers, drives, motion) with real-time firmware and industrial networking stacks.	Industrial Automation; Factory Automation/Machinery; Drives & Motion Control; Robotics; Industrial Networking/IIoT; Embedded Software; Firmware; RTOS; Industrial Ethernet; PROFINET; EtherCAT; OPC UA; Testing/Test Automation; Systems Engineering	Hessen + more
204	Medium	WEIMA	Recycling/shredding machinery with automation, drives and controls engineering around complex machines.	Factory Automation/Machinery; Industrial Automation; Drives & Motion Control; Motor Control; Closed-Loop Control; Embedded Software; Firmware; Testing/Test Automation; Systems Engineering	Baden-Württemberg
205	SME	German Bionic Systems	Robotic exoskeletons combining mechatronics, sensing and edge/AI software for wearable assistance systems.	Robotics; Mechatronic Systems; Sensors/Industrial Sensing; Closed-Loop Control; Embedded Software; Connectivity/IoT Devices; AI; Edge AI; embedded AI; Testing/Test Automation; Systems Engineering	Bayern, Berlin + more

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206	Medium	Kardex Mlog	Intralogistics automation (material-flow systems) with control/software engineering and industrial integration work.	Factory Automation/Machinery; Industrial Automation; Industrial Networking/IIoT; Industrial Ethernet; OPC UA; Embedded Software; Testing/Test Automation; Systems Engineering	Baden-Württemberg + more
207	SME	B&W Engineering und Datensysteme	Product development for mechatronic/electronic systems (incl. medical/industrial devices) with HW-near SW and verification needs.	Medical Devices/MedTech; Mechatronic Systems; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Requirements; Systems Engineering; V&V; Testing/Test Automation	Baden-Württemberg
208	Medium	FLEX-Elektrowerkzeuge	Power tools with motor control, battery electronics and embedded/EMC validation in product development.	Mechatronic Systems; Motor Control; Power Electronics; Battery/BMS/E-Mobility; Embedded Software; Firmware; EMC/EMI; V&V; Testing/Test Automation	Baden-Württemberg + more
209	Medium	beyerdynamic	Pro audio devices with electronics/firmware topics (wireless audio, DSP-adjacent development, test & validation).	Connectivity/IoT Devices; Bluetooth/Wi-Fi; Embedded Software; Firmware; Signal Processing; Electronics Design (Schematic/PCB); V&V; Testing/Test Automation	Baden-Württemberg + more
210	Medium	Harmonic Drive	Precision drive systems for robotics/automation—mechatronics plus control/electronics roles around motion.	Drives & Motion Control; Robotics; Mechatronic Systems; Actuators; Motor Control; Closed-Loop Control; Embedded Software; Testing/Test Automation; Systems Engineering	Hessen + more
211	Medium	MOBIL Elektronik	Automotive electronics/ECUs with embedded development, validation, diagnostics and safety processes.	Automotive/Mobility; Embedded Software; Firmware; Embedded C/Cpp; CAN/LIN; Diagnostics/Calibration; Functional Safety; ISO 26262; V&V; Testing/Test Automation; Systems Engineering	Baden-Württemberg
212	Medium	Amphenol (Tuchel) Automotive	Automotive interconnect & mechatronic components—engineering roles around electrification, validation and industrialization.	Automotive/Mobility; Commercial Vehicles; Testing/Test Automation; Systems Engineering; V&V; Requirements	Baden-Württemberg + more
213	Big	Beckhoff Automation	Automation PCs/I/O and EtherCAT ecosystem with embedded Linux, drivers and real-time/industrial networking work.	Industrial Automation; Industrial Networking/IIoT; Industrial Ethernet; EtherCAT; OPC UA; Embedded Linux; Device Drivers/Low-Level; Embedded Software; Firmware; Testing/Test Automation; Systems Engineering; IEC 62443; Cybersecurity (Embedded)	Nordrhein-Westfalen + more

ID	Cpy. size	Company name	Short description	Tags	State (Bundesland)
214	Big	Phoenix Contact	Industrial connectivity and automation components with embedded firmware/Linux and industrial security topics.	Industrial Automation; Industrial Networking/IIoT; Industrial Ethernet; PROFINET; OPC UA; MQTT; Connectivity/IoT Devices; Embedded Linux; Embedded Software; Firmware; IEC 62443; Cybersecurity (Embedded); Testing/Test Automation	Nordrhein-Westfalen + more
215	Big	WAGO	Automation and I/O systems with embedded platforms and industrial communication stacks for connected devices.	Industrial Automation; Industrial Networking/IIoT; Industrial Ethernet; PROFINET; EtherCAT; OPC UA; MQTT; Connectivity/IoT Devices; Embedded Linux; Embedded Software; Firmware; Testing/Test Automation	Nordrhein-Westfalen + more
216	Medium	KEB Automation	Drives/inverters and automation with power electronics plus embedded control and validation.	Drives & Motion Control; Power Electronics; Inverters/Converters; Motor Control; Closed-Loop Control; Embedded Software; Firmware; EMC/EMI; V&V; Testing/Test Automation	Nordrhein-Westfalen + more
217	Big	Infineon Technologies	Semiconductor leader with IC design, validation/test and embedded-adjacent application engineering roles.	Semiconductors/IC Design; ASIC/Mixed-Signal; Test & Measurement; Measurement Technology; Signal Processing; V&V; Testing/Test Automation	Bayern, Sachsen + more
218	Big	NXP Semiconductors	Automotive/industrial semiconductors with mixed-signal design and embedded/validation-heavy roles.	Semiconductors/IC Design; ASIC/Mixed-Signal; Automotive/Mobility; Functional Safety; ISO 26262; V&V; Testing/Test Automation	Hamburg + more
219	Medium	Basler AG	Machine-vision cameras and imaging systems with embedded vision pipelines, drivers and test engineering.	Computer Vision/Embedded Vision; Optics/Imaging/Metrology; Sensors/Industrial Sensing; Embedded Linux; Device Drivers/Low-Level; Embedded Software; Firmware; Signal Processing; Testing/Test Automation; V&V	Schleswig-Holstein + more
220	Big	Dräger	Medical and safety technology with embedded electronics/software and regulated V&V environments.	Medical Devices/MedTech; Sensors/Industrial Sensing; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Cybersecurity (Embedded); V&V; Testing/Test Automation; Systems Engineering; Requirements	Schleswig-Holstein + more

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221	Big	SMA Solar Technology	PV/storage inverters and energy systems—power electronics with control firmware and EMC/validation work.	Power Electronics; Inverters/Converters; Battery/BMS/E-Mobility; Embedded Software; Firmware; Closed-Loop Control; EMC/EMI; V&V; Testing/Test Automation; Systems Engineering	Hessen + more
222	Medium	Lenze	Automation and drive technology with embedded motion control, industrial networking and system engineering.	Industrial Automation; Drives & Motion Control; Motor Control; Closed-Loop Control; Industrial Networking/IIoT; Industrial Ethernet; Embedded Software; Firmware; Testing/Test Automation; Systems Engineering	Niedersachsen + more
223	Big	KUKA	Industrial robotics with embedded control, field integration and (often) perception/AI-adjacent engineering.	Robotics; Industrial Automation; Factory Automation/Machinery; Drives & Motion Control; Motor Control; Closed-Loop Control; Embedded Software; Firmware; Testing/Test Automation; Systems Engineering	Bayern + more
224	Big	Jenoptik	Optics/photonics and metrology with sensor systems, embedded electronics and test/verification roles.	Optics/Imaging/Metrology; Sensors/Industrial Sensing; Measurement Technology; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Signal Processing; V&V; Testing/Test Automation	Thüringen + more
225	Big	AIXTRON	Semiconductor equipment manufacturer with complex machinery automation, sensing and validation engineering.	Factory Automation/Machinery; Industrial Automation; Sensors/Industrial Sensing; Measurement Technology; Testing/Test Automation; V&V; Systems Engineering; Requirements	Nordrhein-Westfalen + more
226	Medium	Elmos Semiconductor	Automotive-focused semiconductors with mixed-signal design plus validation/test engineering.	Semiconductors/IC Design; ASIC/Mixed-Signal; Automotive/Mobility; Functional Safety; ISO 26262; V&V; Testing/Test Automation	Nordrhein-Westfalen + more
227	Big	Nexperia	High-volume semiconductors with design, process and test engineering plus embedded-adjacent applications work.	Semiconductors/IC Design; ASIC/Mixed-Signal; Test & Measurement; Measurement Technology; V&V; Testing/Test Automation	Hamburg + more
228	Big	Semikron Danfoss	Power semiconductor modules/systems—strong fit for power electronics, test and industrialization roles.	Power Electronics; Inverters/Converters; Test & Measurement; Testing/Test Automation; V&V; Measurement Technology; Systems Engineering	Schleswig-Holstein, Bayern + more

ID	Cpy. size	Company name	Short description	Tags	State (Bundesland)
229	Big	BMW Group	Automotive OEM with large embedded ECU/software, validation and e-mobility development teams.	Automotive/Mobility; Battery/BMS/E-Mobility; Embedded Software; Embedded C/Cpp; RTOS; Embedded Linux; CAN/LIN; Diagnostics/Calibration; HIL/SIL; Testing/Test Automation; V&V; Functional Safety; ISO 26262; Systems Engineering; Requirements; Cybersecurity (Embedded); Connectivity/IoT Devices	Bayern, Berlin, Sachsen + more
230	Big	Volkswagen	Automotive OEM with vehicle electronics, embedded platforms, testing and E/E integration roles.	Automotive/Mobility; Battery/BMS/E-Mobility; Embedded Software; Embedded C/Cpp; RTOS; Embedded Linux; CAN/LIN; Diagnostics/Calibration; HIL/SIL; Testing/Test Automation; V&V; Functional Safety; ISO 26262; Systems Engineering; Requirements; Connectivity/IoT Devices; Cybersecurity (Embedded)	Niedersachsen, Sachsen, Brandenburg, Hessen, Bayern, Berlin + more
231	Big	MAN Truck & Bus	Commercial-vehicle OEM with embedded powertrain, E/E architecture and validation opportunities.	Commercial Vehicles; Automotive/Mobility; Battery/BMS/E-Mobility; Embedded Software; Embedded C/Cpp; RTOS; Embedded Linux; CAN/LIN; Diagnostics/Calibration; HIL/SIL; Testing/Test Automation; V&V; Functional Safety; ISO 26262; Systems Engineering; Requirements	Bayern, Berlin, Niedersachsen + more
232	Big	MTU Aero Engines	Aero-engine OEM with embedded/controls and safety-critical development plus test automation.	Aerospace/Avionics; Embedded Software; Embedded C/Cpp; RTOS; Systems Engineering; Requirements; V&V; Testing/Test Automation; Signal Processing; DO-178C/DO-254	Bayern, Brandenburg + more
233	Medium	OHB	Space systems integrator with avionics-adjacent embedded development and systems engineering roles.	Aerospace/Avionics; Embedded Software; Embedded C/Cpp; RTOS; Systems Engineering; Requirements; V&V; Testing/Test Automation; Cybersecurity (Embedded)	Bremen, Bayern + more

ID	Cpy. size	Company name	Short description	Tags	State (Bundesland)
234	Big	Siemens Healthineers	Medical imaging/lab systems with embedded electronics/software and regulated V&V environments.	Medical Devices/MedTech; Sensors/Industrial Sensing; Embedded Software; Firmware; Embedded Linux; Signal Processing; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V; Requirements; Systems Engineering; Cybersecurity (Embedded)	Bayern, Hessen, Nordrhein-Westfalen, Berlin + more
235	Big	GlobalFoundries	Semiconductor manufacturing (Dresden) with automation- and test-heavy engineering roles.	Semiconductors/IC Design; Industrial Automation; Test & Measurement; Measurement Technology; Testing/Test Automation; V&V; Systems Engineering	Sachsen + more
236	Medium	X-FAB	Specialty semiconductor foundry with mixed-signal tech and validation/test opportunities in Germany.	Semiconductors/IC Design; ASIC/Mixed-Signal; Test & Measurement; Measurement Technology; Testing/Test Automation; V&V	Thüringen, Sachsen + more
237	Big	Schneider Electric	Industrial energy/automation with connected devices, power electronics and industrial networking stacks.	Industrial Automation; Industrial Networking/IIoT; Power Electronics; Connectivity/IoT Devices; Embedded Software; Firmware; Industrial Ethernet; OPC UA; MQTT; Cybersecurity (Embedded); IEC 62443; Testing/Test Automation	Bayern, Nordrhein-Westfalen, Baden-Württemberg, Hessen + more
238	Big	Mitsubishi Electric	Industrial automation and drive/control systems with embedded firmware and industrial communications.	Industrial Automation; Factory Automation/Machinery; Drives & Motion Control; Motor Control; Power Electronics; Embedded Software; Firmware; Industrial Networking/IIoT; Industrial Ethernet; PROFINET; EtherCAT; Testing/Test Automation	Nordrhein-Westfalen + more
239	Big	KION Group	Intralogistics automation (warehouse systems/AGVs) with controls, sensors and system engineering.	Industrial Automation; Factory Automation/Machinery; Robotics; Sensors/Industrial Sensing; Embedded Software; Testing/Test Automation; Systems Engineering; Industrial Networking/IIoT; Industrial Ethernet; OPC UA	Hessen + more

ID	Cpy. size	Company name	Short description	Tags	State (Bundesland)
240	Big	Jungheinrich	Warehouse trucks/automation with embedded control, sensing and electrification-related engineering roles.	Industrial Automation; Factory Automation/Machinery; Robotics; Sensors/Industrial Sensing; Battery/BMS/E-Mobility; Embedded Software; Embedded C/Cpp; CAN/LIN; Testing/Test Automation; V&V; Systems Engineering	Hamburg + more
241	Medium	Weidmüller	Industrial connectivity/I/O with embedded firmware and industrial communication protocols.	Industrial Automation; Industrial Networking/IIoT; Industrial Ethernet; PROFINET; EtherCAT; OPC UA; Connectivity/IoT Devices; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Cybersecurity (Embedded); IEC 62443	Nordrhein-Westfalen + more
242	Medium	HARTING	Industrial connectors and networking components with strong industrial Ethernet/IIoT ecosystems.	Industrial Networking/IIoT; Industrial Ethernet; PROFINET; EtherCAT; Connectivity/IoT Devices; Electronics Design (Schematic/PCB); Sensors/Industrial Sensing	Niedersachsen + more
243	Medium	Turck	Sensors and automation tech with embedded devices plus IO-Link/fieldbus connectivity.	Sensors/Industrial Sensing; Industrial Automation; Industrial Networking/IIoT; IO-Link; Industrial Ethernet; Fieldbus; Embedded Software; Firmware; Connectivity/IoT Devices; Testing/Test Automation	Nordrhein-Westfalen + more
244	Big	Giesecke+Devrient	Security technology (smart cards/secure elements) with embedded/low-level and cybersecurity-heavy engineering.	Cybersecurity (Embedded); Embedded Software; Embedded C/Cpp; Firmware; Device Drivers/Low-Level; Connectivity/IoT Devices; Systems Engineering	Bayern + more
245	Medium	secunet Security Networks	Cybersecurity company with hardware-near products (secure gateways) and V&V-heavy engineering.	Cybersecurity (Embedded); IEC 62443; Embedded Linux; Device Drivers/Low-Level; Embedded Software; Testing/Test Automation; V&V; Requirements; Systems Engineering; Defence/Security	Nordrhein-Westfalen, Hessen, Berlin, Sachsen, Thüringen, Bayern + more
246	Big	ams OSRAM	Opto/sensor technologies with mixed-signal, optics and device-level engineering roles.	Optics/Imaging/Metrology; Sensors/Industrial Sensing; Semiconductors/IC Design; ASIC/Mixed-Signal; Electronics Design (Schematic/PCB); Signal Processing; Test & Measurement; Measurement Technology	Bayern + more

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247	Big	Siltronic	Silicon wafer manufacturer with process, automation and test engineering roles.	Semiconductors/IC Design; Test & Measurement; Measurement Technology; Testing/Test Automation; V&V; Industrial Automation	Bayern + more
248	Medium	SUSS MicroTec	Semiconductor equipment maker with complex machinery automation and validation/test roles.	Factory Automation/Machinery; Industrial Automation; Measurement Technology; Test & Measurement; Testing/Test Automation; V&V; Systems Engineering	Bayern + more
249	Big	ASMPT	Semiconductor/electronics manufacturing equipment with automation, vision and controls engineering.	Factory Automation/Machinery; Industrial Automation; Computer Vision/Embedded Vision; Sensors/Industrial Sensing; Testing/Test Automation; V&V; Systems Engineering	Bayern + more
250	Medium	LPKF	Laser-based PCB/prototyping equipment with automation, optics and embedded control touchpoints.	Factory Automation/Machinery; Industrial Automation; Optics/Imaging/Metrology; Embedded Software; Testing/Test Automation; Measurement Technology	Niedersachsen + more
251	Medium	KOSTAL	Automotive/industrial electronics incl. inverters/charging with embedded firmware and validation work.	Automotive/Mobility; Tier-1 Supplier; Power Electronics; Inverters/Converters; Battery/BMS/E-Mobility; Embedded Software; Firmware; Functional Safety; ISO 26262; Testing/Test Automation; V&V	Nordrhein-Westfalen + more
252	Medium	FEV Group	Engineering services for powertrain/e-mobility with embedded control, systems engineering and testing projects.	Automotive/Mobility; Battery/BMS/E-Mobility; Embedded Software; Testing/Test Automation; HIL/SIL; Systems Engineering; Requirements; Functional Safety; ISO 26262; V&V	Nordrhein-Westfalen, Baden-Württemberg, Bayern + more
253	Medium	Ottobock	Prosthetics/orthotics products with mechatronics, sensing and embedded control work.	Medical Devices/MedTech; Mechatronic Systems; Sensors/Industrial Sensing; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Niedersachsen + more
254	Big	Texas Instruments	Semiconductors and reference designs with roles in ICs, embedded applications and lab/test engineering.	Semiconductors/IC Design; ASIC/Mixed-Signal; Embedded Software; Signal Processing; Test & Measurement; Measurement Technology	Bayern + more

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255	Big	Microchip Technology	Microcontroller and embedded solutions with roles in firmware, applications and lab/test engineering.	Semiconductors/IC Design; Embedded Software; Firmware; Embedded C/Cpp; Connectivity/IoT Devices; Testing/Test Automation	Bayern, Baden-Württemberg + more
256	Big	TE Connectivity (incl. First Sensor)	Sensors/connectors for industry and mobility with device ecosystems and validation roles.	Sensors/Industrial Sensing; Connectivity/IoT Devices; Automotive/Mobility; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Berlin, Brandenburg + more
257	Medium	MVTec	Industrial machine-vision software with strong CV/AI engineering and edge-vision projects.	Computer Vision/Embedded Vision; AI; Edge AI; embedded AI; Signal Processing; Systems Engineering; CI/CD (Embedded)	Bayern + more
258	Medium	Rosenberger	High-frequency connectivity for automotive/industry with electronics development and validation work.	Connectivity/IoT Devices; Automotive/Mobility; Industrial Networking/IIoT; Test & Measurement; Testing/Test Automation; V&V; Electronics Design (Schematic/PCB)	Bayern + more
259	Medium	DR. JOHANNES HEIDENHAIN	Precision encoders/CNC controls & measurement systems—strong overlap with sensor electronics, embedded FW and verification.	Sensors/Industrial Sensing; Measurement Technology; Factory Automation/Machinery; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Bayern + more
260	Big	KSB	Pumps/valves and industrial systems with automation, drives, condition monitoring and embedded-enabled products.	Industrial Automation; Drives & Motion Control; Sensors/Industrial Sensing; Connectivity/IoT Devices; Embedded Software; Testing/Test Automation; Systems Engineering	Rheinland-Pfalz + more
261	Big	HYDAC	Hydraulics, sensors and control tech—embedded controllers, measurement and industrial connectivity in many products.	Industrial Automation; Sensors/Industrial Sensing; Measurement Technology; Connectivity/IoT Devices; Embedded Software; Firmware; Testing/Test Automation	Saarland + more
262	Big	WIKA	Measurement technology (pressure/temperature/force etc.) with sensor electronics, embedded interfaces and testing labs.	Measurement Technology; Sensors/Industrial Sensing; Process Instrumentation; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Bayern + more
263	Medium	JUMO	Industrial sensors + automation components (measurement/control) with embedded firmware and industrial comms.	Sensors/Industrial Sensing; Process Instrumentation; Industrial Automation; Industrial Networking/IIoT; Embedded Software; Firmware; Testing/Test Automation	Hessen + more

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264	Medium	KROHNE	Process instrumentation (flow/level/pressure) with embedded devices, electronics and validation-heavy development.	Process Instrumentation; Sensors/Industrial Sensing; Measurement Technology; Industrial Networking/IIoT; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation	Nordrhein-Westfalen + more
265	Medium	HÜBNER Group	Mobility/industry components incl. sensors/encoders and mechatronic systems—good fit for embedded + test roles.	Sensors/Industrial Sensing; Mechatronic Systems; Rail/Signalling; Embedded Software; Testing/Test Automation; Systems Engineering; V&V	Hessen + more
266	Medium	HBK (Hottinger Brüel & Kjær)	Measurement & test systems (DAQ, sensors) with embedded electronics, signal processing and verification.	Test & Measurement; Measurement Technology; Sensors/Industrial Sensing; Signal Processing; Embedded Software; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Hessen + more
267	Big	Sartorius	Lab/bioprocess equipment with embedded control, sensor integration and regulated V&V environments.	Medical Devices/MedTech; Sensors/Industrial Sensing; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V; Systems Engineering	Niedersachsen, Hessen, Baden-Württemberg, Berlin + more
268	SME	SONOTEC	Ultrasonic sensors/NDT and leak testing—sensor systems with signal processing and embedded-capable electronics.	Sensors/Industrial Sensing; Test & Measurement; Measurement Technology; Signal Processing; Embedded Software; Electronics Design (Schematic/PCB); V&V	Sachsen-Anhalt
269	Big	Keysight Technologies	Test & measurement (RF/digital/optical) with embedded software, FPGA-adjacent systems and verification engineering.	Test & Measurement; Measurement Technology; Embedded Software; Firmware; Electronics Design (Schematic/PCB); EMC/EMI; Testing/Test Automation; V&V	Baden-Württemberg, Bayern, Nordrhein-Westfalen + more
270	Medium	Allied Vision	Machine-vision cameras/embedded vision with Linux/driver stacks, imaging pipelines and production-near validation.	Computer Vision/Embedded Vision; Sensors/Industrial Sensing; Optics/Imaging/Metrology; Embedded Linux; Device Drivers/Low-Level; Embedded Software; Firmware; Signal Processing; Testing/Test Automation; V&V	Thüringen, Niedersachsen, Schleswig-Holstein + more

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271	SME	FRAMOS	Vision components/camera modules and imaging ecosystems—embedded vision integration close to sensor + Linux.	Computer Vision/Embedded Vision; Sensors/Industrial Sensing; Optics/Imaging/Metrology; Embedded Linux; Device Drivers/Low-Level; Embedded Software; Firmware; Signal Processing; Connectivity/IoT Devices	Bayern + more
272	Medium	ISRA VISION (Atlas Copco)	Vision inspection solutions for industry—computer vision/AI plus systems integration and validation.	Computer Vision/Embedded Vision; AI; Signal Processing; Systems Engineering; Testing/Test Automation; V&V; Industrial Automation	Hessen + more
273	Big	Tesla (Gigafactory Berlin-Brandenburg)	EV manufacturing + product ecosystem with strong automation/robotics, industrial sensing and test engineering needs.	Automotive/Mobility; Battery/BMS/E-Mobility; Industrial Automation; Factory Automation/Machinery; Robotics; Sensors/Industrial Sensing; Testing/Test Automation; Systems Engineering	Brandenburg + more
274	Big	Webasto	E-mobility systems (battery/thermal/charging) with embedded control, electronics and validation.	Automotive/Mobility; Tier-1 Supplier; Battery/BMS/E-Mobility; Power Electronics; Embedded Software; Firmware; EMC/EMI; Testing/Test Automation; V&V	Bayern + more
275	Big	Brose	Automotive mechatronics (drives, electronics, sensors) with embedded software and validation-heavy development.	Automotive/Mobility; Tier-1 Supplier; Mechatronic Systems; Motor Control; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Bayern + more
276	Big	Vitesco Technologies (now part of Schaeffler)	Powertrain/e-mobility electronics (inverters, ECUs) with embedded control and functional-safety processes.	Automotive/Mobility; Tier-1 Supplier; Battery/BMS/E-Mobility; Power Electronics; Inverters/Converters; Embedded Software; Firmware; Functional Safety; ISO 26262; Testing/Test Automation; V&V	Bayern, Hessen, Sachsen + more
277	Big	Krones	Packaging/processing lines with automation, drives, industrial networking and controls engineering.	Factory Automation/Machinery; Industrial Automation; Drives & Motion Control; Industrial Networking/IIoT; Industrial Ethernet; OPC UA; Embedded Software; Testing/Test Automation; Systems Engineering	Bayern + more

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278	Big	GEA Group	Process machinery and industrial systems—automation, instrumentation, safety and commissioning-heavy engineering.	Factory Automation/Machinery; Industrial Automation; Process Instrumentation; Industrial Networking/IIoT; Embedded Software; Testing/Test Automation; Systems Engineering	Nordrhein-Westfalen + more
279	Medium	Wilo	Pumps + smart systems with drives, power electronics, connected devices and control firmware touchpoints.	Drives & Motion Control; Power Electronics; Connectivity/IoT Devices; Embedded Software; Firmware; Sensors/Industrial Sensing; Testing/Test Automation	Nordrhein-Westfalen + more
280	Big	Viessmann	Energy/building tech with electronics, connected devices and embedded control in smart heating/energy products.	Connectivity/IoT Devices; Embedded Software; Firmware; Power Electronics; Cybersecurity (Embedded); Testing/Test Automation	Hessen + more
281	Medium	ATLAS ELEKTRONIK	Naval defence electronics (sonar/sensors) with real-time embedded SW, signal processing and systems engineering.	Defence/Security; Sensors/Industrial Sensing; Signal Processing; Embedded Software; Embedded C/Cpp; RTOS; Systems Engineering; Requirements; Testing/Test Automation; V&V; Cybersecurity (Embedded)	Bremen + more
282	Big	MBDA Deutschland	Defence/aerospace systems with safety/security-critical embedded development, integration and V&V.	Defence/Security; Aerospace/Avionics; Embedded Software; Embedded C/Cpp; RTOS; Systems Engineering; Requirements; Testing/Test Automation; V&V; Cybersecurity (Embedded)	Bayern + more
283	Medium	ESG Elektroniksystem- und Logistik-GmbH	Systems engineering + integration/testing for defence/aviation—strong requirements, verification and toolchain focus.	Defence/Security; Aerospace/Avionics; Systems Engineering; Requirements; Testing/Test Automation; V&V; Cybersecurity (Embedded)	Bayern + more
284	Medium	IABG	Test & evaluation for aerospace/defence and mobility—validation labs, automation and systems engineering roles.	Aerospace/Avionics; Defence/Security; Testing/Test Automation; V&V; Systems Engineering; Requirements; Test & Measurement; Measurement Technology	Bayern + more
285	Big	Renesas Electronics	Semiconductors (automotive/industrial) with IC/application engineering and embedded-adjacent validation/testing roles.	Semiconductors/IC Design; ASIC/Mixed-Signal; Automotive/Mobility; Embedded Software; Test & Measurement; Measurement Technology; Testing/Test Automation; V&V	Sachsen, Nordrhein-Westfalen, Bayern, Rheinland-Pfalz + more

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286	Big	STMicroelectronics	Semiconductors for automotive/industrial with mixed-signal design plus validation/test and application engineering in DE.	Semiconductors/IC Design; ASIC/Mixed-Signal; Automotive/Mobility; Functional Safety; ISO 26262; Testing/Test Automation; V&V; Signal Processing	Bayern + more
287	Big	Analog Devices	Analog/mixed-signal semiconductors with strong signal-processing, lab/test and embedded applications engineering.	Semiconductors/IC Design; ASIC/Mixed-Signal; Signal Processing; Test & Measurement; Measurement Technology; Embedded Software; V&V; Testing/Test Automation	Bayern + more
288	Big	TSMC (Munich Design Center)	Semiconductor design enablement/engineering hub (Munich) supporting advanced-chip ecosystem in Europe.	Semiconductors/IC Design; ASIC/Mixed-Signal; Systems Engineering; Testing/Test Automation; V&V	Bayern
289	Medium	ESMC (Dresden fab JV)	New semiconductor manufacturing venture in Dresden with heavy focus on process automation, equipment engineering and test.	Semiconductors/IC Design; Industrial Automation; Factory Automation/Machinery; Testing/Test Automation; V&V; Systems Engineering	Sachsen
290	Medium	TQ-Systems	Embedded modules and electronics product development (HW/SW) for industrial and IoT-grade systems.	Embedded Software; Firmware; Embedded Linux; Device Drivers/Low-Level; Electronics Design (Schematic/PCB); Connectivity/IoT Devices; Industrial Networking/IIoT; Industrial Ethernet; Testing/Test Automation; V&V	Bayern + more
291	Medium	congatec	Embedded computer-on-modules and edge platforms with Linux/driver stacks and HW-near engineering.	Embedded Linux; Embedded Software; Device Drivers/Low-Level; Connectivity/IoT Devices; Industrial Networking/IIoT; Industrial Ethernet; Testing/Test Automation; V&V	Bayern + more
292	Big	ZOLLNER Elektronik	Electronics manufacturing + development services (design-to-test) with strong HW, validation and industrialization work.	Electronics Design (Schematic/PCB); EMC/EMI; Testing/Test Automation; V&V; Embedded Software; Firmware; Power Electronics; Systems Engineering	Bayern + more
293	Medium	Piller Group	Power protection systems (UPS/frequency converters) with power-electronics and embedded control development.	Power Electronics; Inverters/Converters; Embedded Software; Firmware; Test & Measurement; Measurement Technology; Testing/Test Automation; V&V	Niedersachsen + more

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294	Big	DMG MORI	Machine tools and manufacturing automation with controls, drives and industrial integration roles.	Factory Automation/Machinery; Industrial Automation; Drives & Motion Control; Motor Control; Closed-Loop Control; Industrial Networking/IIoT; Industrial Ethernet; Embedded Software; Testing/Test Automation; Systems Engineering	Nordrhein-Westfalen, Bayern + more
295	Big	KHS Group	Bottling/packaging machinery with automation stacks, motion/control and industrial networking.	Factory Automation/Machinery; Industrial Automation; Industrial Networking/IIoT; Industrial Ethernet; OPC UA; Embedded Software; Testing/Test Automation; Systems Engineering; V&V	Nordrhein-Westfalen + more
296	Medium	Sennheiser	Audio and wireless products with embedded SW, signal processing/DSP and device connectivity.	Signal Processing; Embedded Software; Firmware; Embedded Linux; Connectivity/IoT Devices; Bluetooth/Wi-Fi; Testing/Test Automation; V&V	Niedersachsen + more
297	Big	Bundesdruckerei Group	Security and identity technology with embedded/low-level and cybersecurity-heavy product engineering.	Cybersecurity (Embedded); Embedded Software; Embedded Linux; Device Drivers/Low-Level; Connectivity/IoT Devices; Requirements; Systems Engineering; Testing/Test Automation; V&V	Berlin + more
298	Big	ASML	Semiconductor equipment with optics/mechatronics, automation and verification-focused engineering roles.	Factory Automation/Machinery; Industrial Automation; Optics/Imaging/Metrology; Sensors/Industrial Sensing; Systems Engineering; Requirements; Testing/Test Automation; V&V	Berlin + more
299	Medium	Jena-Optronik	Space optics/sensor systems with embedded electronics, signal processing and verification-heavy development.	Aerospace/Avionics; Optics/Imaging/Metrology; Sensors/Industrial Sensing; Signal Processing; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V; Systems Engineering	Thüringen + more
300	Medium	PVA TePla	Semiconductor and high-tech equipment with automation/measurement engineering and test/validation roles.	Factory Automation/Machinery; Industrial Automation; Measurement Technology; Test & Measurement; Testing/Test Automation; V&V; Systems Engineering	Hessen, Thüringen + more

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301	Medium	Micro-Epsilon	Sensor and measurement technology with embedded-capable electronics, signal processing and product validation.	Sensors/Industrial Sensing; Measurement Technology; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Signal Processing; Testing/Test Automation; V&V	Bayern + more
302	Medium	Preh	Automotive electronics (HMI/controls) with embedded SW, validation and functional-safety processes.	Automotive/Mobility; Tier-1 Supplier; Embedded Software; Firmware; Embedded C/Cpp; CAN/LIN; Functional Safety; ISO 26262; Testing/Test Automation; V&V	Bayern + more
303	Medium	Isabellenhütte	Current/precision measurement and power components with strong lab/test and HW engineering overlap.	Sensors/Industrial Sensing; Measurement Technology; Power Electronics; Battery/BMS/E-Mobility; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Hessen + more
304	Big	Huf Hülsbeck & Fürst	Automotive mechatronics/access systems with embedded electronics, validation and safety processes.	Automotive/Mobility; Tier-1 Supplier; Mechatronic Systems; Embedded Software; Firmware; CAN/LIN; Functional Safety; ISO 26262; Testing/Test Automation; V&V	Nordrhein-Westfalen + more
305	Medium	Vossloh	Rail technology/infrastructure with systems engineering, testing and safety-oriented development roles.	Rail/Signalling; Systems Engineering; Requirements; Testing/Test Automation; V&V	Nordrhein-Westfalen + more
306	Big	Wacker Neuson	Construction/mobile machinery with mechatronics, sensing and embedded control/electrification topics.	Automotive/Mobility; Mechatronic Systems; Sensors/Industrial Sensing; Battery/BMS/E-Mobility; Embedded Software; Embedded C/Cpp; CAN/LIN; Testing/Test Automation; V&V	Bayern + more
307	Big	Leica Microsystems	Optical/medical imaging systems with embedded electronics/software and verification-heavy development.	Medical Devices/MedTech; Optics/Imaging/Metrology; Computer Vision/Embedded Vision; Signal Processing; Embedded Software; Embedded Linux; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Hessen + more
308	Big	Autoliv	Automotive safety systems with sensors/ECUs, embedded real-time development and rigorous validation.	Automotive/Mobility; Tier-1 Supplier; Sensors/Industrial Sensing; Embedded Software; Embedded C/Cpp; RTOS; Functional Safety; ISO 26262; HIL/SIL; Testing/Test Automation; V&V	Bayern + more

ID	Cpy. size	Company name	Short description	Tags	State (Bundesland)
309	Big	Aptiv	Automotive E/E systems and platforms with embedded SW, connectivity, cybersecurity and V&V.	Automotive/Mobility; Tier-1 Supplier; Embedded Software; Embedded C/Cpp; Embedded Linux; CAN/LIN; Connectivity/IoT Devices; Cybersecurity (Embedded); Functional Safety; ISO 26262; Testing/Test Automation; V&V; Systems Engineering	Bayern + more
310	Medium	Bender	Electrical safety monitoring and measurement devices with embedded firmware and connected products.	Process Instrumentation; Measurement Technology; Sensors/Industrial Sensing; Embedded Software; Firmware; Connectivity/IoT Devices; Industrial Networking/IIoT; Testing/Test Automation; V&V	Hessen + more
311	Medium	Helmholz	Industrial communication and automation components (PROFINET/IO) with embedded firmware and networking.	Industrial Networking/IIoT; Industrial Ethernet; PROFINET; OPC UA; Connectivity/IoT Devices; Embedded Software; Firmware; Embedded Linux; Testing/Test Automation	Bayern + more
312	Medium	Hilscher	Industrial communication (chips/gateways) with embedded RTOS/Linux, drivers and protocol stacks.	Industrial Networking/IIoT; Industrial Ethernet; PROFINET; EtherCAT; Fieldbus; OPC UA; Embedded Software; Firmware; Embedded C/Cpp; RTOS; Embedded Linux; Device Drivers/Low-Level; Testing/Test Automation	Hessen + more
313	Medium	Softing	Industrial + automotive communication/diagnostics with embedded software, gateways and OPC UA ecosystems.	Industrial Networking/IIoT; Industrial Ethernet; OPC UA; MQTT; CAN/LIN; Diagnostics/Calibration; Embedded Software; Embedded Linux; Connectivity/IoT Devices; Cybersecurity (Embedded)	Bayern + more
314	SME	CAPTRON	Industrial sensors/switching solutions with electronics development and device/firmware-near engineering.	Sensors/Industrial Sensing; Industrial Automation; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Bayern + more
315	Big	DEKRA	Testing/certification and engineering services—strong for functional safety, cybersecurity and V&V career tracks.	V&V; Testing/Test Automation; Functional Safety; ISO 26262; IEC 61508; Cybersecurity (Embedded); IEC 62443; Requirements; Systems Engineering; Test & Measurement	Baden-Württemberg + more

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316	Big	TÜV SÜD	Safety/testing/certification with roles around functional safety, cybersecurity and regulated verification.	V&V; Testing/Test Automation; Functional Safety; ISO 26262; IEC 61508; Cybersecurity (Embedded); IEC 62443; Requirements; Systems Engineering; Test & Measurement	Bayern + more
317	Big	TÜV Rheinland	Safety and assurance services with V&V, cybersecurity and standards-driven engineering work.	V&V; Testing/Test Automation; Functional Safety; ISO 26262; IEC 61508; Cybersecurity (Embedded); IEC 62443; Requirements; Systems Engineering; Test & Measurement	Nordrhein-Westfalen + more
318	SME	DFKI	Applied AI research (robotics/vision) with many thesis-friendly projects close to edge/embedded ecosystems.	AI; Edge AI; embedded AI; Robotics; Computer Vision/Embedded Vision; Signal Processing; Systems Engineering; Testing/Test Automation	Rheinland-Pfalz, Saarland, Bremen, Niedersachsen, Hessen, Berlin + more
319	Medium	Elektrobit	Automotive software & ECU platforms (incl. safety/security and embedded Linux) with strong embedded-development focus.	Automotive/Mobility; Embedded Software; Embedded C/Cpp; Embedded Linux; CI/CD (Embedded); Testing/Test Automation; V&V; Cybersecurity (Embedded); Systems Engineering; Requirements	Bayern, Berlin + more
320	Big	CARIAD	VW software unit building vehicle platforms with embedded/Linux stacks, validation and cybersecurity topics.	Automotive/Mobility; Embedded Software; Embedded C/Cpp; Embedded Linux; CI/CD (Embedded); Testing/Test Automation; V&V; Cybersecurity (Embedded); Systems Engineering; Requirements	Niedersachsen, Berlin, Bayern + more
321	Medium	e.solutions	Automotive infotainment/connectivity software with embedded/Linux and integration/testing-heavy engineering.	Automotive/Mobility; Embedded Software; Embedded C/Cpp; Embedded Linux; Connectivity/IoT Devices; CI/CD (Embedded); Testing/Test Automation; V&V	Bayern + more
322	Big	Lufthansa Technik	Aviation MRO + engineering with avionics/system engineering, testing and safety/security constraints.	Aerospace/Avionics; Systems Engineering; Requirements; Testing/Test Automation; V&V; Cybersecurity (Embedded)	Hamburg, Hessen + more
323	Medium	Eppendorf	Lab devices/instrumentation with embedded electronics/firmware and regulated verification/validation.	Medical Devices/MedTech; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V; Requirements; Systems Engineering	Hamburg + more

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324	SME	Isar Aerospace	Launch-vehicle developer with embedded/real-time, controls and test engineering close to flight hardware.	Aerospace/Avionics; Embedded Software; Embedded C/Cpp; RTOS; Systems Engineering; Requirements; Testing/Test Automation; V&V	Bayern + more
325	SME	Rocket Factory Augsburg	Space launcher company with avionics-adjacent embedded development, integration and test automation.	Aerospace/Avionics; Embedded Software; Embedded C/Cpp; RTOS; Systems Engineering; Requirements; Testing/Test Automation; V&V	Bayern + more
326	SME	Mynaric	Laser communication terminals with optics/electronics, embedded control and verification-heavy development.	Optics/Imaging/Metrology; Embedded Software; Firmware; Signal Processing; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Bayern + more
327	SME	NavVis	Mobile mapping/SLAM with camera/LiDAR perception—strong overlap with vision pipelines and edge/embedded systems.	Computer Vision/Embedded Vision; Sensors/Industrial Sensing; Signal Processing; Embedded Software; Embedded Linux; AI; Edge AI; Systems Engineering	Bayern + more
328	Medium	TTTech Auto	Safety-critical automotive platform/software (incl. ADAS middleware) with ISO 26262-oriented engineering.	Automotive/Mobility; Embedded Software; Embedded C/Cpp; RTOS; Functional Safety; ISO 26262; Systems Engineering; Requirements; Testing/Test Automation; V&V	Bayern + more
329	SME	KUNBUS	Industrial networking/IIoT products (gateways, connectivity) with embedded Linux/firmware and protocol stacks.	Industrial Networking/IIoT; Industrial Ethernet; OPC UA; MQTT; Embedded Linux; Embedded Software; Firmware; Connectivity/IoT Devices; Testing/Test Automation	Bayern + more
330	Big	Hager Group	Building energy distribution/automation products with embedded electronics, connectivity and security touchpoints.	Industrial Automation; Connectivity/IoT Devices; Embedded Software; Firmware; Power Electronics; Cybersecurity (Embedded); Testing/Test Automation; V&V	Saarland + more
331	Medium	SFC Energy	Fuel-cell systems with power electronics/control, embedded firmware and test/validation work.	Power Electronics; Embedded Software; Firmware; Testing/Test Automation; V&V; Systems Engineering	Bayern + more
332	Medium	Ypsomed	Medical device manufacturer (injection/diabetes systems) with mechatronics, embedded electronics and regulated V&V.	Medical Devices/MedTech; Mechatronic Systems; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V; Cybersecurity (Embedded)	Mecklenburg-Vorpommern + more

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333	Big	Nordex Group	Wind turbines with power electronics, control/automation and embedded-enabled subsystems plus validation/test engineering.	Power Electronics; Inverters/Converters; Drives & Motion Control; Closed-Loop Control; Embedded Software; Firmware; Industrial Automation; Testing/Test Automation; V&V; Systems Engineering	Hamburg + more
334	Big	ENERCON	Wind energy technology with control systems, power electronics and automation-heavy engineering roles.	Power Electronics; Inverters/Converters; Drives & Motion Control; Closed-Loop Control; Embedded Software; Firmware; Industrial Automation; Testing/Test Automation; V&V; Systems Engineering	Niedersachsen + more
335	Big	CLAAS	Agricultural machinery with embedded controls, sensing and automation (incl. electrification/validation themes).	Automotive/Mobility; Sensors/Industrial Sensing; Mechatronic Systems; Embedded Software; Embedded C/Cpp; CAN/LIN; Testing/Test Automation; V&V; Systems Engineering	Nordrhein-Westfalen + more
336	Big	Vaillant Group	Heating/HVAC & energy products with embedded control, connected devices and cybersecurity/validation needs.	Connectivity/IoT Devices; Embedded Software; Firmware; Power Electronics; Cybersecurity (Embedded); Testing/Test Automation; V&V; Systems Engineering	Nordrhein-Westfalen + more
337	Big	Siemens Energy	Energy technology (grid, turbines, electrification) with automation/control and power-electronics-heavy engineering.	Power Electronics; Industrial Automation; Embedded Software; Firmware; Systems Engineering; Requirements; Testing/Test Automation; V&V; Cybersecurity (Embedded)	Bayern, Berlin, Nordrhein-Westfalen + more
338	Big	Flender	Drive systems (gear units/couplings) with condition monitoring, automation interfaces and test engineering.	Drives & Motion Control; Industrial Automation; Sensors/Industrial Sensing; Embedded Software; Testing/Test Automation; Systems Engineering	Nordrhein-Westfalen + more
339	Big	MAN Energy Solutions	Large engines/turbomachinery & energy systems with embedded control, safety constraints and validation/test labs.	Drives & Motion Control; Power Electronics; Embedded Software; Firmware; Systems Engineering; Requirements; Testing/Test Automation; V&V	Bayern, Hamburg + more
340	Medium	PULS	Industrial power supplies/DC-UPS—power electronics design plus EMC and product validation topics.	Power Electronics; Inverters/Converters; EMC/EMI; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Bayern + more

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341	Medium	VITRONIC	Machine-vision systems (industry/traffic) with CV/AI, edge integration and verification-heavy delivery.	Computer Vision/Embedded Vision; AI; Edge AI; Signal Processing; Embedded Software; Systems Engineering; Testing/Test Automation; V&V	Hessen + more
342	SME	Wandelbots	Robotics automation platform (industrial deployment) with strong systems/integration and testing focus.	Robotics; Industrial Automation; AI; Edge AI; Systems Engineering; CI/CD (Embedded); Testing/Test Automation	Sachsen + more
343	Big	Northvolt	Battery manufacturing (Heide) — automation/process equipment and test engineering (note: insolvency proceedings in Sweden).	Battery/BMS/E-Mobility; Industrial Automation; Factory Automation/Machinery; Testing/Test Automation; V&V; Systems Engineering	Schleswig-Holstein + more
344	Big	CATL (Germany/Thuringia)	Battery cell production with automation/equipment engineering, test and quality/industrialization roles.	Battery/BMS/E-Mobility; Industrial Automation; Factory Automation/Machinery; Testing/Test Automation; V&V; Systems Engineering	Thüringen + more
345	Medium	BMZ Group	Battery systems/packs with BMS interfaces, power-electronics touchpoints and validation/industrialization.	Battery/BMS/E-Mobility; Power Electronics; Embedded Software; Testing/Test Automation; V&V; Systems Engineering	Bayern + more
346	Medium	HOPPECKE Batterien	Industrial batteries/energy storage—testing, safety and system engineering close to electrification products.	Battery/BMS/E-Mobility; Power Electronics; Testing/Test Automation; V&V; Systems Engineering	Nordrhein-Westfalen + more
347	Medium	Pfeiffer Vacuum	Vacuum equipment with sensor/control subsystems, embedded-enabled products and strong validation/test needs.	Factory Automation/Machinery; Sensors/Industrial Sensing; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Hessen + more
348	Big	VACUUMSCHMELZE (VAC)	Magnetic materials/components for sensors and power electronics—lab/test and production engineering heavy.	Power Electronics; Sensors/Industrial Sensing; Measurement Technology; Test & Measurement; Testing/Test Automation; V&V	Hessen + more
349	Big	Heraeus	Technology group (materials/electronics) with roles intersecting sensors, testing/qualification and automation.	Sensors/Industrial Sensing; Measurement Technology; Electronics Design (Schematic/PCB); Test & Measurement; Testing/Test Automation; V&V	Hessen + more
350	Medium	KraussMaffei	Plastics/rubber machinery with automation stacks, drive/control engineering and embedded-enabled subsystems.	Factory Automation/Machinery; Industrial Automation; Drives & Motion Control; Embedded Software; Testing/Test Automation; Systems Engineering; V&V	Bayern + more

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351	Big	Koenig & Bauer	Printing/packaging machinery—automation, drives and controls engineering around complex equipment.	Factory Automation/Machinery; Industrial Automation; Drives & Motion Control; Embedded Software; Testing/Test Automation; Systems Engineering	Bayern + more
352	Medium	Stäubli Robotics (Germany)	Industrial robotics/automation with integration, commissioning and safety-oriented engineering.	Robotics; Industrial Automation; Factory Automation/Machinery; Drives & Motion Control; Embedded Software; Testing/Test Automation; Systems Engineering; Functional Safety	Bayern + more
353	SME	Lauterbach	Embedded debug/tooling (TRACE32) with low-level SW, RTOS/Linux topics and HW-near integration.	Embedded Software; Embedded C/Cpp; Device Drivers/Low-Level; RTOS; Embedded Linux; Testing/Test Automation; CI/CD (Embedded)	Bayern + more
354	SME	SEGGER	Embedded tools (debug probes/RTOS/middleware) with firmware + low-level development and strong testing culture.	Embedded Software; Embedded C/Cpp; Firmware; Device Drivers/Low-Level; RTOS; Testing/Test Automation; CI/CD (Embedded)	Nordrhein-Westfalen + more
355	Medium	FEIG ELECTRONIC	RFID/NFC and embedded reader systems—firmware, industrial IoT integration and device validation.	Connectivity/IoT Devices; Embedded Software; Firmware; Embedded Linux; Sensors/Industrial Sensing; Testing/Test Automation; V&V	Hessen + more
356	Big	KNDS Deutschland	Defence land-systems with security/safety constraints, integration/testing and embedded electronics/software.	Defence/Security; Embedded Software; Systems Engineering; Requirements; Testing/Test Automation; V&V; Cybersecurity (Embedded)	Bayern + more
357	Big	TDK Electronics (EPCOS)	Electronic components (incl. sensor/power components) with test/qualification and electronics development.	Sensors/Industrial Sensing; Power Electronics; Electronics Design (Schematic/PCB); Test & Measurement; Measurement Technology; Testing/Test Automation; V&V	Bayern + more
358	Big	Vishay	Power/discrete semiconductors & components—strong fit for power electronics and validation/test engineering.	Semiconductors/IC Design; Power Electronics; Test & Measurement; Measurement Technology; Testing/Test Automation; V&V	Bayern, Rheinland-Pfalz + more
359	Big	TÜV NORD GROUP	Testing/certification with functional-safety, cybersecurity and standards-driven verification roles.	V&V; Testing/Test Automation; Functional Safety; ISO 26262; IEC 61508; Cybersecurity (Embedded); IEC 62443; Requirements; Systems Engineering; Test & Measurement	Hamburg, Niedersachsen + more

ID	Cpy. size	Company name	Short description	Tags	State (Bundesland)
360	Medium	ASAP Group	Automotive engineering services: embedded/E/E, validation, systems engineering and toolchain-heavy projects.	Automotive/Mobility; Embedded Software; Testing/Test Automation; V&V; HIL/SIL; Systems Engineering; Requirements; Functional Safety; ISO 26262	Bayern, Nordrhein-Westfalen, Hessen + more
361	Medium	XENON Automatisierungstechnik	Special-purpose machines/automation lines with controls, robotics integration and commissioning/testing.	Factory Automation/Machinery; Industrial Automation; Robotics; Testing/Test Automation; Systems Engineering; Industrial Networking/IIoT	Sachsen + more
362	SME	Hitex	Embedded engineering services (HW/SW) with strong RTOS/Linux, low-level development and safety-oriented projects.	Embedded Software; Firmware; Embedded Linux; RTOS; Embedded C/Cpp; Device Drivers/Low-Level; Functional Safety; ISO 26262; IEC 61508; Requirements; Systems Engineering; V&V; Testing/Test Automation; CI/CD (Embedded)	Baden-Württemberg
363	SME	iSYSTEM	Debug & trace tooling for embedded targets—low-level SW, RTOS/Linux and tooling-heavy engineering.	Embedded Software; Embedded C/Cpp; RTOS; Embedded Linux; Device Drivers/Low-Level; Testing/Test Automation; CI/CD (Embedded)	Bayern
364	SME	PLS Programmierbare Logik & Systeme	FPGA/JTAG debug tools and embedded development support—HW-near tooling and validation focus.	FPGA; Embedded Software; Embedded C/Cpp; Testing/Test Automation; V&V; Electronics Design (Schematic/PCB)	Bayern
365	Medium	SYSGO	Safety/security-critical embedded platforms (RTOS/hypervisor) for avionics/rail/industry with strong certification context.	Embedded Software; Embedded C/Cpp; RTOS; Embedded Linux; Functional Safety; DO-178C/DO-254; EN 50128/50129; Cybersecurity (Embedded); Requirements; Systems Engineering; V&V; Testing/Test Automation; CI/CD (Embedded)	Rheinland-Pfalz + more
366	SME	PHYSEC	Embedded cybersecurity (device integrity/monitoring) for connected products and industrial/IoT deployments.	Cybersecurity (Embedded); Embedded Software; Embedded C/Cpp; Embedded Linux; Connectivity/IoT Devices; Systems Engineering; Testing/Test Automation	Berlin
367	SME	Inelta Sensorsysteme	Sensors and measurement solutions with electronics development, calibration and validation work close to the device.	Sensors/Industrial Sensing; Measurement Technology; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Bayern

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368	SME	INOVA Semiconductors	Automotive/industrial ICs (high-speed links) with mixed-signal engineering plus verification/qualification topics.	Semiconductors/IC Design; ASIC/Mixed-Signal; Automotive/Mobility; Signal Processing; Functional Safety; ISO 26262; V&V; Testing/Test Automation	Bayern
369	SME	esd electronics	Industrial communication modules/gateways (CAN/fieldbus/industrial ethernet) with firmware and protocol-stack work.	Industrial Networking/IIoT; Industrial Ethernet; Fieldbus; CAN/LIN; Embedded Software; Firmware; Embedded Linux; Connectivity/IoT Devices; Testing/Test Automation	Nordrhein-Westfalen
370	SME	Robominds	Robotics software stack with perception/control overlap and deployment-focused engineering (incl. edge/AI integration).	Robotics; AI; Edge AI; Computer Vision/Embedded Vision; Embedded Software; Embedded Linux; Systems Engineering; Testing/Test Automation	Bayern
371	Medium	Janz Tec	Industrial embedded computers/edge systems—Linux platforms, integration, drivers and industrial connectivity.	Embedded Linux; Embedded Software; Device Drivers/Low-Level; Connectivity/IoT Devices; Industrial Networking/IIoT; Industrial Ethernet; Testing/Test Automation; V&V	Nordrhein-Westfalen
372	Medium	b-plus	Automotive electronics & test systems (incl. camera/ADAS toolchains) with validation, integration and HIL-heavy work.	Automotive/Mobility; Computer Vision/Embedded Vision; Sensors/Industrial Sensing; HIL/SIL; Testing/Test Automation; V&V; Systems Engineering; Requirements; Embedded Software	Bayern
373	SME	Delphin Technology	Measurement/data-acquisition systems with embedded electronics, connectivity and test/validation labs.	Test & Measurement; Measurement Technology; Sensors/Industrial Sensing; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Connectivity/IoT Devices; Testing/Test Automation; V&V	Nordrhein-Westfalen
374	Medium	SVS-Vistek	Machine-vision cameras and imaging systems—drivers/firmware, imaging pipelines and production-near validation.	Computer Vision/Embedded Vision; Sensors/Industrial Sensing; Optics/Imaging/Metrology; Embedded Linux; Device Drivers/Low-Level; Embedded Software; Firmware; Signal Processing; Testing/Test Automation; V&V	Bayern

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375	Medium	FRABA (POSITAL/UBITO)	Encoders/inclination and sensing products with embedded firmware, interfaces and device-level electronics development.	Sensors/Industrial Sensing; Measurement Technology; Industrial Networking/IIoT; Industrial Ethernet; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation	Nordrhein-Westfalen + more
376	SME	Langer EMV-Technik	EMC/EMI test tools and near-field probing—measurement hardware and validation-centric engineering.	EMC/EMI; Test & Measurement; Measurement Technology; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Sachsen
377	Medium	GÖPEL electronic	Electronic test/inspection solutions (e.g., boundary scan) with automation, measurement and verification focus.	Test & Measurement; Testing/Test Automation; Measurement Technology; Electronics Design (Schematic/PCB); Industrial Automation; V&V	Thüringen
378	SME	PEAK-System Technik	CAN/LIN interfaces, gateways and related tooling—strong overlap with embedded drivers, comms stacks and test setups.	Industrial Networking/IIoT; CAN/LIN; Connectivity/IoT Devices; Embedded Software; Device Drivers/Low-Level; Testing/Test Automation; Test & Measurement	Nordrhein-Westfalen
379	Medium	genua	IT/OT security products (secure gateways/firewalls) used in industrial and critical-infrastructure environments.	Cybersecurity (Embedded); IEC 62443; Embedded Linux; Connectivity/IoT Devices; Systems Engineering; V&V; Testing/Test Automation	Bayern + more
380	SME	iC-Haus	Application-specific ICs (sensors/industrial/automotive) with mixed-signal development and verification needs.	Semiconductors/IC Design; ASIC/Mixed-Signal; Sensors/Industrial Sensing; Automotive/Mobility; V&V; Testing/Test Automation; Measurement Technology	Rheinland-Pfalz
381	SME	KETEK	Radiation/X-ray detector and sensor modules—electronics + measurement/signal processing close to the sensor.	Sensors/Industrial Sensing; Measurement Technology; Optics/Imaging/Metrology; Electronics Design (Schematic/PCB); Signal Processing; V&V; Testing/Test Automation	Bayern
382	SME	XIMEA	Industrial cameras (USB3/GigE etc.)—embedded vision pipelines, drivers and production-near validation.	Computer Vision/Embedded Vision; Optics/Imaging/Metrology; Sensors/Industrial Sensing; Embedded Linux; Device Drivers/Low-Level; Embedded Software; Firmware; Signal Processing; Testing/Test Automation; V&V	Bayern

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383	SME	Kappa optronics	Imaging/camera systems (notably for automotive) with vision/processing and verification-heavy delivery.	Computer Vision/Embedded Vision; Optics/Imaging/Metrology; Sensors/Industrial Sensing; Signal Processing; Automotive/Mobility; Embedded Software; Testing/Test Automation; V&V	Bayern
384	Medium	Sensor-Technik Wiedemann (STW)	ECUs and sensors for mobile machines—embedded control, vehicle networks and validation topics.	Automotive/Mobility; Commercial Vehicles; Sensors/Industrial Sensing; Embedded Software; Embedded C/Cpp; CAN/LIN; Testing/Test Automation; V&V	Bayern
385	Medium	AEMtec	Electronics development + manufacturing services (EMS/ODM) including embedded device engineering and test.	Electronics Design (Schematic/PCB); Embedded Software; Firmware; Testing/Test Automation; V&V; EMC/EMI; Connectivity/IoT Devices	Berlin + more
386	Medium	3S-Smart Software Solutions (CODESYS Group)	Industrial automation software (CODESYS runtime/tooling) with strong embedded/PLC ecosystem relevance.	Industrial Automation; Embedded Software; Embedded C/Cpp; Industrial Networking/IIoT; CI/CD (Embedded); Testing/Test Automation	Bayern
387	SME	dresden elektronik	Wireless/IoT modules and gateways (industrial-grade) with firmware and connectivity focus.	Connectivity/IoT Devices; Industrial Networking/IIoT; Embedded Software; Firmware; Embedded Linux; Cybersecurity (Embedded); Testing/Test Automation	Sachsen
388	Medium	Janitza electronics	Power/energy measurement and monitoring systems—embedded-enabled devices plus comms and validation.	Measurement Technology; Power Electronics; Connectivity/IoT Devices; Industrial Networking/IIoT; Embedded Software; Firmware; Testing/Test Automation; V&V	Hessen
389	Medium	Baumüller Nürnberg GmbH	Drive and automation specialist (servo drives, motion control) with strong overlap of power electronics and embedded control/firmware.	Drives & Motion Control; Motor Control; Power Electronics; Inverters/Converters; Closed-Loop Control; Industrial Automation; Factory Automation/Machinery; Embedded Software; Firmware; Industrial Networking/IIoT; Industrial Ethernet; Testing/Test Automation; V&V; Systems Engineering	Bayern
390	SME	Sieb & Meyer AG	High-speed drive and inverter solutions with embedded control firmware, power-electronics design and test/validation.	Drives & Motion Control; Motor Control; Power Electronics; Inverters/Converters; Closed-Loop Control; Embedded Software; Firmware; EMC/EMI; Testing/Test Automation; V&V; Systems Engineering	Niedersachsen

ID	Cpy. size	Company name	Short description	Tags	State (Bundesland)
391	SME	Pengutronix	Embedded-Linux specialist (BSPs, drivers, Yocto) for industrial/IoT devices and edge systems.	Embedded Linux; Device Drivers/Low-Level; Embedded Software; Firmware; Connectivity/IoT Devices; Industrial Networking/IIoT; Industrial Ethernet; CI/CD (Embedded); Testing/Test Automation	Niedersachsen
392	Medium	PHYTEC	Embedded modules/edge platforms (SoMs, carrier boards) with HW/SW co-design, Linux, drivers and industrial integration.	Embedded Linux; Embedded Software; Device Drivers/Low-Level; Firmware; Electronics Design (Schematic/PCB); Connectivity/IoT Devices; Industrial Networking/IIoT; Testing/Test Automation; V&V	Rheinland-Pfalz
393	Medium	TraceTronic	Testing/validation engineering (tooling, automation, CI) for embedded/ECU software—strong fit for V&V and test automation roles.	Testing/Test Automation; V&V; HIL/SIL; CI/CD (Embedded); Automotive/Mobility; Systems Engineering; Requirements; Embedded Software	Sachsen
394	Medium	EMH metering	Smart energy-metering devices and systems with embedded firmware, measurement electronics and connectivity/security constraints.	Measurement Technology; Sensors/Industrial Sensing; Embedded Software; Firmware; Connectivity/IoT Devices; Testing/Test Automation; V&V; Cybersecurity (Embedded)	Mecklenburg-Vorpommern
395	SME	SSV Software Systems	Embedded Linux-based hardware/software for industrial and process automation, focused on communication-heavy edge/IIoT use cases.	Industrial Networking/IIoT; Embedded Linux; Device Drivers/Low-Level; Embedded Software; Firmware; Connectivity/IoT Devices; Industrial Ethernet; OPC UA; MQTT; Cybersecurity (Embedded); IEC 62443; Testing/Test Automation	Niedersachsen
396	SME	AbsInt	Safety-critical software analysis tooling (static analysis, timing/stack) used in automotive/avionics/rail V&V workflows.	Functional Safety; ISO 26262; IEC 61508; V&V; Requirements; Systems Engineering; Embedded Software; Embedded C/Cpp; CI/CD (Embedded)	Saarland
397	SME	GLIWA	Timing analysis and observability tooling for embedded real-time systems (often used in safety-critical domains).	V&V; Embedded Software; Embedded C/Cpp; RTOS; Functional Safety; ISO 26262; EN 50128/50129; Systems Engineering; Requirements	Bayern
398	SME	DENX Software Engineering	Embedded-Linux engineering (notably U-Boot ecosystem) and low-level integration for industrial/automotive devices.	Embedded Linux; Device Drivers/Low-Level; Embedded Software; Firmware; Embedded C/Cpp; Connectivity/IoT Devices; Industrial Networking/IIoT; Testing/Test Automation	Bayern

ID	Cpy. size	Company name	Short description	Tags	State (Bundesland)
399	SME	Trenz Electronic	FPGA/SoM and embedded computing platforms with Linux + HW-near integration (FPGA, high-speed interfaces).	FPGA; Embedded Linux; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Connectivity/IoT Devices; Testing/Test Automation; V&V	Schleswig-Holstein
400	Medium	HEITEC	Industrial automation and embedded solutions provider (controls, system integration, industrial software) with test/commissioning-heavy engineering.	Industrial Automation; Factory Automation/Machinery; Industrial Networking/IIoT; Industrial Ethernet; Embedded Software; Testing/Test Automation; Systems Engineering; V&V	Bayern + more
401	Medium	Deutronic Elektronik	Power-electronics products (e.g., converters/charging/power supplies) with HW-near development, test and validation work.	Power Electronics; Inverters/Converters; Battery/BMS/E-Mobility; Electronics Design (Schematic/PCB); EMC/EMI; Testing/Test Automation; V&V	Bayern
402	SME	INSYS icom	Industrial routers/gateways and IIoT connectivity—embedded platforms, protocol stacks and device integration.	Industrial Networking/IIoT; Industrial Ethernet; Connectivity/IoT Devices; Embedded Linux; Embedded Software; Firmware; Testing/Test Automation; Cybersecurity (Embedded)	Bayern
403	SME	mb connect line	Secure industrial communication & remote-maintenance/edge solutions with embedded firmware/Linux and device security themes.	Industrial Networking/IIoT; Connectivity/IoT Devices; Embedded Linux; Embedded Software; Firmware; Cybersecurity (Embedded); Testing/Test Automation	Bayern
404	SME	Bicker Elektronik	Industrial power/DC-UPS and embedded-computing components—electronics development and product validation close to devices.	Power Electronics; Inverters/Converters; Electronics Design (Schematic/PCB); EMC/EMI; Testing/Test Automation; V&V	Bayern
405	SME	proemion	Telematics/edge connectivity for mobile machines—connected devices + embedded/IoT integration and systems engineering.	Industrial Networking/IIoT; Connectivity/IoT Devices; Embedded Software; Embedded Linux; Testing/Test Automation; Systems Engineering; Cybersecurity (Embedded)	Hessen
406	SME	Wiesemann & Theis	Industrial networking devices (e.g., gateways/Web-IO) with embedded firmware, Linux and protocol-heavy development.	Industrial Networking/IIoT; Industrial Ethernet; Connectivity/IoT Devices; Embedded Software; Firmware; Embedded Linux; Testing/Test Automation	Nordrhein-Westfalen
407	Medium	HBC-radiomatic	Radio remote controls for cranes/machinery—wireless + embedded electronics with safety/security constraints and testing.	Industrial Automation; Factory Automation/Machinery; Connectivity/IoT Devices; Embedded Software; Firmware; Functional Safety; Testing/Test Automation	Baden-Württemberg + more

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408	SME	ZES ZIMMER Electronic Systems	Precision power measurement and test solutions for power electronics/e-mobility—instrumentation, verification and automation.	Test & Measurement; Measurement Technology; Power Electronics; Battery/BMS/E-Mobility; Testing/Test Automation; V&V	Hessen
409	Medium	IPETRONIK	Mobile measurement/data-acquisition and test systems—strong fit for validation, instrumentation and automation workflows.	Test & Measurement; Measurement Technology; Sensors/Industrial Sensing; Testing/Test Automation; V&V; Systems Engineering	Baden-Württemberg
410	SME	Schuhmann Messtechnik	Industrial measurement/monitoring electronics and custom measurement/test setups—electronics + embedded DAQ/firmware potential.	Measurement Technology; Test & Measurement; Sensors/Industrial Sensing; Process Instrumentation; Electronics Design (Schematic/PCB); Embedded Software; Firmware; Testing/Test Automation; V&V	Baden-Württemberg
411	SME	DataPhysics Instruments	Laboratory/measurement instruments with embedded control/DAQ and verification-oriented engineering (incl. automation around test systems).	Test & Measurement; Measurement Technology; Sensors/Industrial Sensing; Signal Processing; Electronics Design (Schematic/PCB); Embedded Software; Firmware; Testing/Test Automation; V&V	Baden-Württemberg + more
412	SME	Valentum Engineering	Engineering services with embedded software development and validation/testing roles for industrial and mobility projects.	Embedded Software; Embedded C/Cpp; Systems Engineering; Requirements; Testing/Test Automation; V&V	Bayern, Baden-Württemberg + more
413	SME	Ernst REINER	Industrial marking/labeling systems (devices + software) with mechatronics/electronics, firmware and product verification.	Factory Automation/Machinery; Mechatronic Systems; Electronics Design (Schematic/PCB); Embedded Software; Firmware; Testing/Test Automation; V&V	Baden-Württemberg
414	Medium	Hengstler	Industrial components (encoders/counters/relays) with sensor/measurement electronics and device-level development.	Sensors/Industrial Sensing; Measurement Technology; Industrial Automation; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Baden-Württemberg
415	Medium	SAUTER-Cumulus	Building automation and controls with connected devices and embedded/IoT-centric product engineering.	Industrial Automation; Connectivity/IoT Devices; Embedded Software; Firmware; Cybersecurity (Embedded); Testing/Test Automation; V&V; Systems Engineering	Baden-Württemberg

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416	Medium	JULABO	Temperature-control devices for labs/industry—mechatronics with embedded control, sensing and electronics development.	Mechatronic Systems; Sensors/Industrial Sensing; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Baden-Württemberg
417	Medium	LAUDA DR. R. WOBSER	Thermal management/temperature-control systems—embedded control + electronics plus validation/testing needs.	Mechatronic Systems; Sensors/Industrial Sensing; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Baden-Württemberg
418	SME	GESSMANN	Operator controls/HMI (e.g., joysticks/control panels) for machinery—electronics + embedded firmware close to automation.	Industrial Automation; Factory Automation/Machinery; Mechatronic Systems; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Baden-Württemberg
419	SME	SOMAKO Steuerungstechnik	Industrial automation/controls engineering (PLC/HMI + system integration) for special-purpose machinery.	Industrial Automation; Factory Automation/Machinery; Systems Engineering; Testing/Test Automation; Industrial Networking/IIoT	Baden-Württemberg
420	Medium	Erbe Elektromedizin	MedTech systems (e.g., electrosurgery) with embedded electronics/software and regulated V&V processes.	Medical Devices/MedTech; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V; Requirements; Systems Engineering; Cybersecurity (Embedded)	Baden-Württemberg
421	Medium	ATMOS MedizinTechnik	Medical devices with embedded control, electronics development and verification/validation work.	Medical Devices/MedTech; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V; Requirements; Systems Engineering; Cybersecurity (Embedded)	Baden-Württemberg
422	Medium	BOWA-electronic	Surgical/energy-based MedTech devices with embedded electronics/software and validation-heavy development.	Medical Devices/MedTech; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V; Requirements; Systems Engineering; Cybersecurity (Embedded)	Baden-Württemberg
424	SME	SÜTRON electronic	HMI panels and embedded/edge systems for industrial (and often building) automation.	Embedded Linux; Embedded Software; Firmware; Connectivity/IoT Devices; Industrial Networking/IIoT; Industrial Ethernet; Testing/Test Automation; V&V	Baden-Württemberg

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425	Medium	WERMA Signaltechnik	Signal towers and smart signaling/IIoT solutions for factories; device electronics + embedded connectivity.	Industrial Automation; Connectivity/IoT Devices; Industrial Networking/IIoT; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation	Baden-Württemberg
426	Medium	REINER SCT	Hardware-based IT security (smartcard readers/tokens) with firmware and device-security focus.	Cybersecurity (Embedded); Embedded Software; Firmware; Connectivity/IoT Devices; Embedded Linux; Device Drivers/Low-Level; Testing/Test Automation; V&V	Baden-Württemberg
428	SME	Hyperstone	Flash-memory controller ICs and firmware—embedded/low-level SW close to silicon.	Semiconductors/IC Design; ASIC/Mixed-Signal; Embedded Software; Firmware; Embedded C/Cpp; V&V; Testing/Test Automation	Baden-Württemberg
429	SME	digiraster	Optical measurement/encoder solutions—sensor tech with electronics, signal processing and embedded interfaces.	Sensors/Industrial Sensing; Measurement Technology; Optics/Imaging/Metrology; Signal Processing; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Baden-Württemberg
430	SME	RoodMicrotec	Semiconductor/ASIC test engineering and reliability services—automation + measurement heavy.	Semiconductors/IC Design; Test & Measurement; Measurement Technology; Testing/Test Automation; V&V; Systems Engineering	Baden-Württemberg + more
431	Medium	Northrop Grumman LITEF	Inertial sensors/navigation systems with real-time embedded processing and safety/security constraints.	Sensors/Industrial Sensing; Aerospace/Avionics; Defence/Security; Embedded Software; Embedded C/Cpp; RTOS; Signal Processing; Systems Engineering; Requirements; V&V; Testing/Test Automation; Cybersecurity (Embedded)	Baden-Württemberg
432	SME	asvin	Automotive cybersecurity/compliance tooling and services (ISO/SAE 21434 etc.) close to embedded/ECU supply chains.	Cybersecurity (Embedded); Automotive/Mobility; Systems Engineering; Requirements; CI/CD (Embedded)	Baden-Württemberg + more
433	SME	Nexonar	3D sensor systems for industrial applications—embedded sensing + real-time data processing.	Sensors/Industrial Sensing; Computer Vision/Embedded Vision; Signal Processing; Embedded Software; Firmware; Connectivity/IoT Devices; Testing/Test Automation	Baden-Württemberg

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435	SME	Nanoscribe	High-precision micro-3D-printing systems—mechatronics + control/automation and verification-heavy engineering.	Factory Automation/Machinery; Industrial Automation; Mechatronic Systems; Embedded Software; Testing/Test Automation; V&V; Systems Engineering	Baden-Württemberg
436	SME	PROVERTHA	Industrial connectors/cable solutions used in harsh environments—relevant for industrial comms and device integration.	Industrial Networking/IIoT; Industrial Ethernet; Connectivity/IoT Devices; Electronics Design (Schematic/PCB); Testing/Test Automation	Baden-Württemberg
437	Medium	BBS Automation	Automation and test systems (special-purpose machinery) with controls, industrial networking and commissioning.	Factory Automation/Machinery; Industrial Automation; Testing/Test Automation; Systems Engineering; Industrial Networking/IIoT; Industrial Ethernet; V&V	Baden-Württemberg + more
439	SME	acontis technologies	Industrial networking software (e.g., EtherCAT stacks) with embedded/Linux development and protocol engineering.	Industrial Networking/IIoT; Industrial Ethernet; EtherCAT; Embedded Linux; Embedded Software; Firmware; Connectivity/IoT Devices; Testing/Test Automation; Cybersecurity (Embedded)	Baden-Württemberg
440	SME	IHSE	KVM extenders/switching for industry & critical environments—hardware-near products with embedded networking and security constraints.	Industrial Networking/IIoT; Industrial Ethernet; Connectivity/IoT Devices; Embedded Linux; Embedded Software; Firmware; Cybersecurity (Embedded); Testing/Test Automation; V&V	Baden-Württemberg
441	Medium	E. Dold & Söhne	Safety switching/monitoring for automation with standards-driven product development close to functional safety.	Functional Safety; IEC 61508; Industrial Automation; Factory Automation/Machinery; V&V; Testing/Test Automation; Systems Engineering	Baden-Württemberg
442	SME	InnoLinTec	Embedded engineering (Linux + RTOS) incl. kernel/driver work, industrial protocols and device integration.	Embedded Software; Firmware; Embedded Linux; RTOS; Device Drivers/Low-Level; Embedded C/Cpp; Industrial Networking/IIoT; Industrial Ethernet; Fieldbus; OPC UA; Connectivity/IoT Devices; Cybersecurity (Embedded); Testing/Test Automation; Systems Engineering	Baden-Württemberg
443	SME	INSION	Miniaturized optical sensing (microspectrometer tech) with microelectronics/embedded-systems context for measurement applications.	Sensors/Industrial Sensing; Optics/Imaging/Metrology; Measurement Technology; Signal Processing; Embedded Software; Firmware; Semiconductors/IC Design	Baden-Württemberg

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444	SME	Embedded Office	Embedded systems engineering (embedded Linux/firmware) for industrial and IoT-grade devices.	Embedded Linux; Embedded Software; Firmware; Device Drivers/Low-Level; Connectivity/IoT Devices; Industrial Networking/IIoT; Testing/Test Automation	Baden-Württemberg
445	SME	Linutronix	Embedded/real-time Linux engineering & support (kernel/driver/BSP integration and system bring-up).	Embedded Linux; Embedded Software; Firmware; Device Drivers/Low-Level; Testing/Test Automation; Systems Engineering	Baden-Württemberg
446	SME	Valyue Consulting	Embedded-systems engineering services (firmware/low-level development) with a Stuttgart base.	Embedded Software; Firmware; Embedded C/Cpp; RTOS; Testing/Test Automation; Systems Engineering	Baden-Württemberg
442	SME	Konzept Informationssysteme (Konzept-IS)	Engineering services for embedded systems (SW/HW) with firmware development and system integration.	Embedded Software; Firmware; Embedded C/Cpp; RTOS; Embedded Linux; Device Drivers/Low-Level; Systems Engineering; Testing/Test Automation	Baden-Württemberg
443	SME	soluware GmbH	Industrial-IoT and embedded-related engineering (software development + testing; embedded component redesign support).	Embedded Software; Firmware; Embedded Linux; Connectivity/IoT Devices; Industrial Networking/IIoT; Testing/Test Automation; V&V	Baden-Württemberg
444	SME	kessler systems GmbH	Electronics & embedded development (embedded hardware/software) for customer-specific solutions.	Electronics Design (Schematic/PCB); Embedded Software; Firmware; Embedded C/Cpp; Embedded Linux; Device Drivers/Low-Level; Testing/Test Automation; V&V	Baden-Württemberg
445	SME	EKS Elektronikservice GmbH	Electronics development/manufacturing services with embedded-capable device engineering and test/validation support.	Electronics Design (Schematic/PCB); Embedded Software; Firmware; Testing/Test Automation; V&V; Industrial Automation	Baden-Württemberg
446	SME	Aspion GmbH	Sensor-based condition-monitoring solutions (connected devices) with embedded firmware/software in product development.	Sensors/Industrial Sensing; Connectivity/IoT Devices; Embedded Software; Firmware; Embedded C/Cpp; Embedded Linux; Testing/Test Automation	Baden-Württemberg
447	SME	ATS Industrial IT Solutions GmbH	Industrial/OT cybersecurity and secure connectivity solutions for industrial environments.	Cybersecurity (Embedded); IEC 62443; Industrial Networking/IIoT; Connectivity/IoT Devices; Systems Engineering; Testing/Test Automation	Baden-Württemberg
448	SME	RCT Power GmbH	PV/storage inverter systems with strong power-electronics and embedded control/software overlap.	Power Electronics; Inverters/Converters; Battery/BMS/E-Mobility; Embedded Software; Firmware; Testing/Test Automation; V&V	Baden-Württemberg

ID	Cpy. size	Company name	Short description	Tags	State (Bundesland)
449	SME	awinia GmbH	Industrial-IoT software engineering and testing with embedded/software development roles.	Embedded Software; Connectivity/IoT Devices; Industrial Networking/IIoT; Testing/Test Automation; CI/CD (Embedded)	Baden-Württemberg
450	Medium	KLS Martin Group	MedTech devices/systems (incl. energy-based/surgical platforms) with embedded electronics/software and regulated V&V.	Medical Devices/MedTech; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V; Requirements	Baden-Württemberg
451	SME	V2Tec GmbH	Industrial connectivity and embedded/edge solutions with strong security/remote-access and device-integration overlap.	Cybersecurity (Embedded); IEC 62443; Industrial Networking/IIoT; Connectivity/IoT Devices; Embedded Linux; Embedded Software; Testing/Test Automation; Systems Engineering	Baden-Württemberg
452	Medium	INGUN Prüfmittelbau GmbH	Test probes/fixtures and electronics test solutions—strong fit for automation-heavy verification and production test.	Test & Measurement; Testing/Test Automation; Measurement Technology; Electronics Design (Schematic/PCB); Systems Engineering; V&V	Baden-Württemberg
453	Medium	Feinmetall GmbH	Test contact/probing technology for electronics manufacturing—verification/test engineering and measurement focus.	Test & Measurement; Testing/Test Automation; Measurement Technology; Electronics Design (Schematic/PCB); V&V	Baden-Württemberg
454	Medium	Schweizer Electronic AG	Advanced PCB/embedded packaging ecosystem (automotive/industry) with strong electronics/qualification & test intersections.	Electronics Design (Schematic/PCB); Automotive/Mobility; Test & Measurement; Testing/Test Automation; V&V	Baden-Württemberg
455	Medium	hema electronic GmbH	Embedded systems & electronics development (incl. sensor tech and vision systems) with HW/SW co-design and device validation.	Sensors/Industrial Sensing; Computer Vision/Embedded Vision; Embedded Software; Firmware; Embedded Linux; Embedded C/Cpp; Electronics Design (Schematic/PCB); Signal Processing; Testing/Test Automation; V&V	Baden-Württemberg
456	SME	Inteff GmbH	Embedded engineering services (HW/SW) for industrial and safety/security-relevant systems.	Embedded Software; Firmware; Embedded C/Cpp; RTOS; Embedded Linux; Device Drivers/Low-Level; Systems Engineering; Requirements; Testing/Test Automation; V&V	Baden-Württemberg
457	Medium	SPHEREA Deutschland GmbH	Test systems and automation (incl. electronics/embedded test environments) for industry and defence/aerospace contexts.	Test & Measurement; Testing/Test Automation; Measurement Technology; Embedded Software; Electronics Design (Schematic/PCB); Systems Engineering; V&V	Baden-Württemberg

ID	Cpy. size	Company name	Short description	Tags	State (Bundesland)
458	SME	Steinbeis Embedded Systems Technologies	Embedded systems development and engineering services (Linux/RTOS, low-level integration) for industrial products.	Embedded Software; Firmware; Embedded C/Cpp; RTOS; Embedded Linux; Device Drivers/Low-Level; Systems Engineering; Testing/Test Automation; V&V	Baden-Württemberg
459	SME	RP-Engineering GmbH	Electronics and embedded development services for device/automation projects (HW, firmware, validation).	Embedded Software; Firmware; Embedded C/Cpp; Embedded Linux; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Baden-Württemberg
460	SME	Vision Devices GmbH	Electronics/embedded product development (microcontroller/processor-based devices) from concept to validation.	Embedded Software; Firmware; Embedded C/Cpp; Embedded Linux; Electronics Design (Schematic/PCB); Connectivity/IoT Devices; Testing/Test Automation; V&V	Baden-Württemberg
461	SME	TES Electronic Solutions GmbH	HW-near development (FPGA/embedded SW) for demanding electronic systems incl. signal-processing-adjacent projects.	FPGA; Embedded Software; Firmware; Embedded C/Cpp; Signal Processing; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Baden-Württemberg
462	SME	KURZ Industrie-Elektronik GmbH	Industrial electronics (controls/devices) with firmware development, EMC focus and production-near validation.	Industrial Automation; Embedded Software; Firmware; Embedded C/Cpp; Electronics Design (Schematic/PCB); EMC/EMI; Testing/Test Automation; V&V	Baden-Württemberg
463	SME	Baudisch Electronic GmbH	Electronics development + integration with EMC/testing orientation and embedded-capable device engineering.	Electronics Design (Schematic/PCB); Embedded Software; Firmware; EMC/EMI; Testing/Test Automation; V&V	Baden-Württemberg
464	Medium	Cicor (Reinhard Microtech)	Microelectronics/advanced packaging + electronic modules with embedded-capable electronics development and qualification/testing.	Electronics Design (Schematic/PCB); Sensors/Industrial Sensing; Embedded Software; Firmware; Testing/Test Automation; V&V	Baden-Württemberg
465	Medium	SCHEUERMANN + HEILIG GmbH	Electronics manufacturing/development partner with test/industrialization and embedded-capable device engineering.	Electronics Design (Schematic/PCB); Embedded Software; Firmware; Testing/Test Automation; V&V; Industrial Automation	Baden-Württemberg
466	SME	velixX GmbH	Microsystem/medical-technology development with sensor/embedded intersections and verification-heavy engineering.	Medical Devices/MedTech; Sensors/Industrial Sensing; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Baden-Württemberg

ID	Cpy. size	Company name	Short description	Tags	State (Bundesland)
467	SME	ATR Software GmbH	Software/embedded engineering for industrial/mobility projects (integration, testing and toolchain practices).	Embedded Software; Embedded C/Cpp; Embedded Linux; Systems Engineering; Testing/Test Automation; CI/CD (Embedded); V&V	Baden-Württemberg
468	SME	ondics GmbH	Connected-device and industrial IoT solutions with embedded/edge integration and product engineering.	Connectivity/IoT Devices; Industrial Networking/IIoT; Embedded Software; Firmware; Embedded Linux; Testing/Test Automation; Systems Engineering	Baden-Württemberg
469	SME	MicroConsult GmbH	Embedded systems consulting/training with deep expertise in RTOS/Linux, low-level topics and engineering practices.	Embedded Software; Embedded C/Cpp; RTOS; Embedded Linux; Device Drivers/Low-Level; Systems Engineering; Testing/Test Automation	Baden-Württemberg
470	SME	Ingenieurbüro Barheine	Embedded systems development services (device SW, low-level integration, validation) for industrial customers.	Embedded Software; Firmware; Embedded C/Cpp; Embedded Linux; Device Drivers/Low-Level; Testing/Test Automation; V&V	Baden-Württemberg
471	SME	keiltronic GmbH	Electronics development/manufacturing partner with embedded-capable device engineering and test/validation support.	Electronics Design (Schematic/PCB); Embedded Software; Firmware; Industrial Automation; Testing/Test Automation; V&V	Baden-Württemberg
472	SME	ESU electronic solutions ulm	Electronics + firmware for digital control systems (device-focused embedded development, interfaces and validation).	Embedded Software; Firmware; Embedded C/Cpp; Electronics Design (Schematic/PCB); Connectivity/IoT Devices; Testing/Test Automation; V&V	Baden-Württemberg
473	Medium	Gebr. Heller Maschinenfabrik	CNC machine tools with complex automation stacks, drives/control and industrial connectivity.	Factory Automation/Machinery; Industrial Automation; Drives & Motion Control; Industrial Networking/IIoT; Industrial Ethernet; Embedded Software; Testing/Test Automation; Systems Engineering; V&V	Baden-Württemberg
474	Medium	Walter Maschinenbau	Tool grinding machines/automation—controls, mechatronics and validation/test engineering around complex machinery.	Factory Automation/Machinery; Industrial Automation; Drives & Motion Control; Embedded Software; Testing/Test Automation; Systems Engineering; V&V	Baden-Württemberg
475	Medium	INDEX-Werke	CNC production machines with automation/control stacks and industrial integration/testing needs.	Factory Automation/Machinery; Industrial Automation; Drives & Motion Control; Industrial Networking/IIoT; Embedded Software; Testing/Test Automation; Systems Engineering; V&V	Baden-Württemberg

ID	Cpy. size	Company name	Short description	Tags	State (Bundesland)
476	Medium	TELENOT Electronic	Electronic security/alarm systems with embedded devices, connectivity and security-oriented verification.	Defence/Security; Connectivity/IoT Devices; Embedded Software; Firmware; Cybersecurity (Embedded); Testing/Test Automation; V&V; Systems Engineering	Baden-Württemberg
477	Medium	WEISS GmbH	Automation systems/components (e.g., rotary indexing/handling) with embedded control and industrial integration.	Factory Automation/Machinery; Industrial Automation; Drives & Motion Control; Embedded Software; Firmware; Testing/Test Automation; Systems Engineering; V&V	Baden-Württemberg
478	SME	fruitcore robotics	Industrial robotics/automation (HORST) with embedded control, integration and commissioning needs.	Robotics; Industrial Automation; Factory Automation/Machinery; Embedded Software; Firmware; Embedded C/Cpp; Testing/Test Automation; Systems Engineering	Baden-Württemberg
479	SME	Wiferion	Wireless power transfer/charging for mobile robots & AGVs—power electronics + embedded/connected systems.	Power Electronics; Battery/BMS/E-Mobility; Connectivity/IoT Devices; Embedded Software; Firmware; EMC/EMI; Testing/Test Automation; V&V	Baden-Württemberg
480	SME	ISG Industrielle Steuerungstechnik	Control/simulation engineering (incl. real-time/automation contexts) with embedded/control & test-heavy projects.	Industrial Automation; Drives & Motion Control; Closed-Loop Control; Embedded Software; Testing/Test Automation; Systems Engineering; Requirements	Baden-Württemberg
481	Medium	Vision Tools Bildanalyse Systeme	Industrial machine-vision solutions—vision/AI integration close to automation and inspection systems.	Computer Vision/Embedded Vision; Industrial Automation; AI; Signal Processing; Embedded Software; Systems Engineering; Testing/Test Automation; V&V	Baden-Württemberg
482	SME	autoVimation	Machine-vision ecosystem components (camera housing/accessories) used in industrial embedded-vision deployments.	Computer Vision/Embedded Vision; Optics/Imaging/Metrology; Sensors/Industrial Sensing; Industrial Automation; Systems Engineering	Baden-Württemberg
483	Medium	Avnet Embedded	Embedded computing/edge platforms and integration—good for embedded Linux, drivers and device integration work.	Embedded Linux; Embedded Software; Device Drivers/Low-Level; Connectivity/IoT Devices; Industrial Networking/IIoT; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Baden-Württemberg
484	Medium	ND SatCom	Satellite communications systems with embedded SW/HW, RF/signal-processing-adjacent engineering and verification.	Aerospace/Avionics; Defence/Security; Embedded Software; Embedded Linux; Firmware; Signal Processing; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Baden-Württemberg

ID	Cpy. size	Company name	Short description	Tags	State (Bundesland)
485	Medium	AUMA	Electric actuators for valves—embedded control, sensors and industrial interfaces in harsh/industrial environments.	Industrial Automation; Process Instrumentation; Drives & Motion Control; Closed-Loop Control; Sensors/Industrial Sensing; Connectivity/IoT Devices; Industrial Networking/IIoT; Embedded Software; Firmware; Testing/Test Automation	Baden-Württemberg
486	Medium	S. Siedle & Söhne	Building communication systems with embedded/connected devices and security-relevant product engineering.	Connectivity/IoT Devices; Embedded Software; Firmware; Embedded Linux; Cybersecurity (Embedded); Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Baden-Württemberg
487	Medium	Zimmer Group	Automation/gripping/handling systems—mechatronics + embedded control and integration in industrial robotics.	Robotics; Industrial Automation; Factory Automation/Machinery; Mechatronic Systems; Actuators; Sensors/Industrial Sensing; Embedded Software; Firmware; Testing/Test Automation; Systems Engineering	Baden-Württemberg
488	Medium	Dürr Dental	Dental/medical devices with embedded electronics/firmware and regulated verification/validation.	Medical Devices/MedTech; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V; Requirements; Systems Engineering; Cybersecurity (Embedded)	Baden-Württemberg
489	Medium	VACUUBRAND	Vacuum/measurement systems with embedded control and device electronics plus verification/testing needs.	Measurement Technology; Sensors/Industrial Sensing; Process Instrumentation; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Baden-Württemberg
490	SME	KERN & SOHN	Weighing and measurement devices with embedded electronics/firmware and connectivity options.	Measurement Technology; Sensors/Industrial Sensing; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Connectivity/IoT Devices; Testing/Test Automation; V&V	Baden-Württemberg
491	Medium	RAMPF Group	Industrial mixing/dispensing and automation equipment—controls, integration and validation-heavy engineering.	Factory Automation/Machinery; Industrial Automation; Embedded Software; Industrial Networking/IIoT; Testing/Test Automation; Systems Engineering; V&V	Baden-Württemberg

ID	Cpy. size	Company name	Short description	Tags	State (Bundesland)
492	SME	Vision & Control GmbH	Industrial machine-vision systems for automation/inspection with strong embedded-vision + integration overlap.	Computer Vision/Embedded Vision; Industrial Automation; Embedded Software; Signal Processing; Systems Engineering; Testing/Test Automation; V&V	Baden-Württemberg
493	Medium	ETO MAGNETIC	Magnetic/actuator and sensor solutions with electronics + embedded/control development in automotive/industry contexts.	Sensors/Industrial Sensing; Mechatronic Systems; Actuators; Embedded Software; Firmware; Automotive/Mobility; Testing/Test Automation; V&V	Baden-Württemberg + more
494	SME	M&M Software GmbH	Embedded/IoT software engineering (often Linux/Cpp) for industrial and medical products, incl. testing/integration.	Embedded Software; Embedded Linux; Embedded C/Cpp; Connectivity/IoT Devices; Industrial Networking/IIoT; Testing/Test Automation; CI/CD (Embedded)	Baden-Württemberg
495	SME	Novotechnik Messwertaufnehmer OHG	Position-sensor/measurement solutions for automation with device-level electronics and embedded-capable systems.	Sensors/Industrial Sensing; Measurement Technology; Industrial Automation; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Baden-Württemberg
496	Medium	d&b audiotechnik	Pro-audio systems (DSP-heavy) with embedded software/firmware, signal-processing and connected-device topics.	Signal Processing; Embedded Software; Firmware; Embedded Linux; Connectivity/IoT Devices; Testing/Test Automation; V&V	Baden-Württemberg
498	Medium	Handtmann Systemtechnik	Machinery/system engineering with automation and embedded-control elements plus integration/validation work.	Factory Automation/Machinery; Industrial Automation; Embedded Software; Firmware; Industrial Networking/IIoT; Industrial Ethernet; Testing/Test Automation; Systems Engineering; V&V	Baden-Württemberg
499	Medium	M Plan	Engineering services with embedded software, electronics, V&V and systems/requirements work (mobility + industry).	Systems Engineering; Requirements; Embedded Software; Embedded C/Cpp; Testing/Test Automation; V&V; HIL/SIL; Functional Safety; ISO 26262	Baden-Württemberg + more
500	Medium	MBtech Group	Mobility/automotive engineering services (E/E, embedded SW, validation, systems engineering).	Automotive/Mobility; Systems Engineering; Requirements; Embedded Software; Embedded C/Cpp; Testing/Test Automation; V&V; HIL/SIL; Functional Safety; ISO 26262	Baden-Württemberg + more
501	Medium	ITK Engineering	Embedded systems engineering services across automotive/medical/industry with RTOS/Linux and verification focus.	Embedded Software; Embedded C/Cpp; Embedded Linux; RTOS; Systems Engineering; Requirements; Testing/Test Automation; V&V; Functional Safety; ISO 26262; IEC 61508	Baden-Württemberg + more

ID	Cpy. size	Company name	Short description	Tags	State (Bundesland)
502	Big	Bruker	Scientific/measurement instruments with embedded electronics/firmware, signal processing and verification-heavy development.	Test & Measurement; Measurement Technology; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Signal Processing; Testing/Test Automation; V&V	Baden-Württemberg + more
503	SME	Zargo, Zweiweg, Gmeinder Lokomotiven	Development, design and production of innovative road rail and shunting technologies. Electronics, embedded software and construction.	Test & Measurement; Measurement Technology; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Signal Processing;	Baden-Württemberg

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Last update: **2026/01/18 21:06**