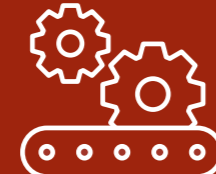
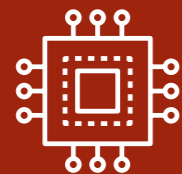


Our Services

We stand for customer-oriented, industry-focused, application-oriented research, development and manufacturing in microsystems technology.



Research + development

Development of sensors

Sensor integration

Electronics

Bioanalytical testing procedures

Laboratory automation

Microfluidics + microdosing

3D electronics + MID

Micro-energy harvesting

Information technology

Communication technology / IoT

Artificial intelligence

Measurement + analysis laboratory

Modeling + simulation

Production technologies

Processes in silicon technology

Precision machining

High-tech functions in plastic

Microstructuring of surfaces

Film technologies

Additive manufacturing + printing technologies

Integrated circuit packaging technology

Production

MEMS foundry

Lab-on-a-Chip foundry

Microassembly + packaging

Tool making + injection molding



Our expertise in collaboration with the Cluster4Future network + innovation hubs:



Nanopore technology for the molecular diagnostics of the future



Quantum sensors for the future



European Digital Innovation Hub

Hahn-Schickard

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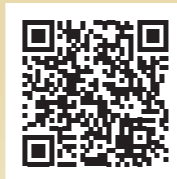
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Facts & Figures

(2021/2022)

263

Hahn-Schickard staff members

335

Jobs at the spin-offs

438

SME participation in projects

42

Mio. €

Total output 2021

13

Mio. €

R+D collaborative projects

11

Mio. €

Direct commercial contracts



Intelligent solutions with microsystem technology



Partners

We conduct application-oriented research in the fields of microsystems engineering, microstructure technology, microanalytical systems and information technology – whether at our locations in Stuttgart, Villingen-Schwenningen, Freiburg or Ulm.



We support and guide you through the development of intelligent products and technologies:

- from the very first draft to serial production to the final product
- industry-compatible, certified processes
- customized forms of collaboration
- advice on how to use public funding programs strategically

A membership with Hahn-Schickard is worthwhile – become a member!

- influence our future thematic focus and the issues we tackle.
- always remain up to speed with the results of our basic research.
- we arrange public funding projects or partners for your business.
- keep your finger on the pulse of the latest trends through our close ties to universities and other research institutions.

Our members* are very satisfied with us:



*Excerpt of our members

Thanks to Hahn-Schickard, we have already been able to successfully develop innovative products and move them towards serial production. ZIM- and BMBF-funded projects have often served to determine the basic principles. The further development of the final product often took place bilaterally.



Dr. Andreas Pojtinger, CEO | 2E mechatronic GmbH & Co. KG

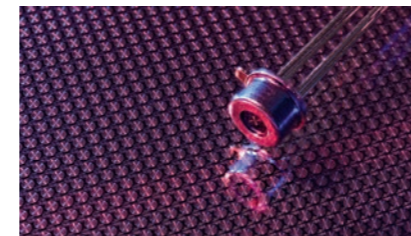
Success stories

No matter the industry, our solutions will convince you. Benefit from our many years of experience with companies for whom we have made the smallest things really big.



LabDisk technology

For the world's first molecular test in dermatology that distinguishes psoriasis from eczema, Dermagnostix relies on Hahn-Schickard's LabDisk technology. The PsorEx LabDisk is a fully automated, microfluidic analysis system for point-of-care diagnostics.



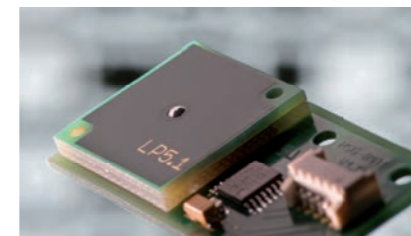
Temperature sensor for fever measuring devices

In just five months, we developed market-ready thermopile sensor chips for non-contact temperature measurement as a mass application in fever measuring devices and produced one million of them in our own clean room.



Transport surveillance of medical samples

Hahn-Schickard developed a sensor unit for monitoring the transport routes of medical samples for the Munich-based start-up Smart4Diagnostics.



Inclination sensor

With highly accurate liquid-based inclination sensors, Leica laser measuring instruments can measure not only lengths but also heights.

We've found excellent conditions for our product idea at Hahn-Schickard: Here we were able to carry out our industrial small series production in clean rooms. You can't get that anywhere else!



Natalie Garzorz-Stark, MD, PhD, MHBA | CEO & Founder DERMAGNOSTIX

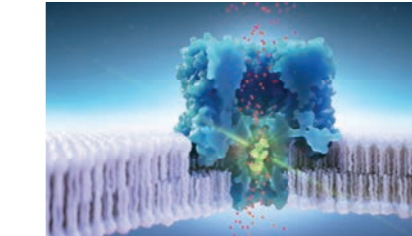
Shaping the future

In the future-oriented fields of mobility, environment and resources, health and care, and information and communication, we create innovative products and technologies, especially for small and medium-sized enterprises.



Smart connected sensors

Our smart connected sensors open up new digital business models and represent enormous economic potential for your company. We have a broad portfolio of high-performance sensors and support you in building and deploying Internet-of-Things technologies.



Molecular diagnostics

We transfer test procedures from the laboratory to mobile devices and automate complex process sequences such as cell lysis, DNA extraction and the detection of genes and proteins, thereby enabling clinically relevant parameters to be determined at the point of care.



Green hydrogen for the future

We develop the central components for fuel cells, electrolyzers and redox flow batteries. Innovative membrane electrode units, membranes and electrodes ensure improved service life and higher performance.



Quantum sensors

We focus on highly integrated optical packaging for medical and industrial quantum sensors as well as on thermal management and reliability assurance via simulation and service life models.

It is great fun to gain new experiences every day while enjoying the interdisciplinary cooperation with great customers, project partners and our highly motivated team.



Dr. Kerstin Gläser, Hahn-Schickard, Group Head of Print Technology