

Why with Helbling

We give you immediate access to a highly qualified and multidisciplinary team that supports your product development.

You reap the benefit of our extensive expertise in developing industrial sensors and medical products. You can depend on a unique partner capable of managing all technical aspects of your product development with the highest efficiency.

We ensure that your product is developed and documented in line with the latest industrial and medical standards. We transfer full control and ownership of the design and intellectual property developed during the collaboration.

Helbling – your exclusive, independent contract engineering partner for industrial sensors and medical devices development.



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Innovation is our driving force

Founded in 1963, Helbling Technik currently has more than 390 employees in Switzerland, Germany, USA and China.

Helbling Technik is part of the Helbling Group and functions as a long-term partner in its customers innovation network, under the motto “Innovation, together we do it”. The company’s engineers, IT experts and physicists use high-performance engineering tools, the latest infrastructure including laboratories, as well as high-quality professional approaches to generate new ideas, implement state-of-the-art technologies and develop successful new products.

Contact

Helbling Technik Bern AG

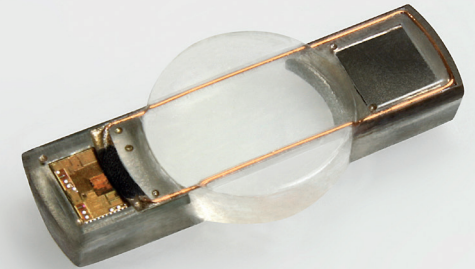
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Sensors & Medical Electronics

Are you planning to develop a mobile low power medical device or a miniaturized and highly integrated electronic system? Do you need to translate an idea into an innovative product?

If you require the support of a highly qualified, multidisciplinary development team, or devices for your trials, then contact us today. Helbling has the answer!

Helbling Technik

Innovation, together we do it

A broad spectrum of competencies and expertises

Development of high-tech, highly integrated and miniaturized sensors and / or medical devices

Our interdisciplinary team of engineers with competencies in (micro-) electronics, (embedded-) software, (micro-) mechanics, (micro-) optics, material science, processes and physics develop solutions for a wide range of applications for more than 55 years.

Our fields of expertise include:

- System engineering
- Analog, digital and physical electronics
- Embedded electronics and software
- Optical sensors and vision systems
- Power and data link for body centric communication
- Bio-electronic interfaces

Our development activities include:

- Technical product development compliant with medical device regulations, including project, quality and risk management, usability engineering and verification
- Transfer of technologies from research to commercial products, incl. design transfer to manufacturers
- Technical support during industrialization and market acceptance- or clinical studies



A team combining creativity, technology and experience

We have the ability to set up a dedicated R&D team at Helbling and manage international competence networks for your development or strengthen your network by our expertise and knowledge.

Some reference projects for active implantable and mobile medical or veterinary devices for therapy or diagnostics:

- Long term active eye implant
- Intra-ocular pressure sensor for veterinary application
- Neuro stimulator for deep brain stimulation
- Portable tinnitus therapy device
- TcpO₂ and TcpCO₂ sensors

Some reference projects for industrial and consumer applications:

- 100% in-line quality control for pharmaceutical product lines
- Gas analyzer based on laser spectroscopy
- Optical displacement measurement sensor
- Miniaturized eyewear-mountable camera

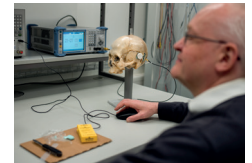


Spatially resolved brain oxygen supply measurement



Neuro stimulator for deep brain stimulation

A professional infrastructure and laboratories



Comprehensive set of engineering and scientific software packages for:

- Mechanical / Micro-mechanical design
- Electronics (hardware/embedded software) design
- Optics design
- Fluidics design
- Multi-physics simulations

Fully equipped laboratories for:

- Mechanical, electrical, optical, acoustic and system testing or verification
- Metrology
- Modeling / prototype adjustment



In-line quality control for pharmaceutical industry



The world's smallest eyewear-mountable camera