

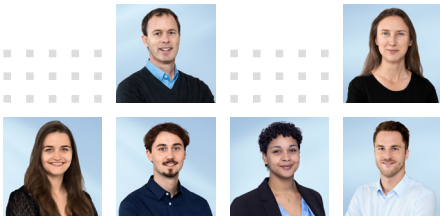
Why with Helbling

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 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 long term independent contract engineering partner for medical devices development.



Innovation is our driving force

Founded in 1963, Helbling Technik currently has more than 480 employees in Switzerland, Germany, Poland, the 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 highquality professional approaches to generate new ideas, implement state-of-the-art technologies and develop successful new products.

Contact

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Version 2024



Medical Devices

Are you planning to develop a medical device?

Or do you need to translate an idea into innovative products.

Contact us today, Helbling is your right partner!



Helbling Technik
Innovation, together we do it

A broad spectrum of competencies and expertises

Design and development of medical devices

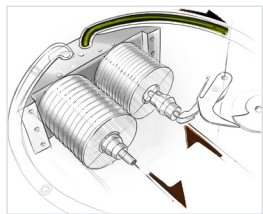
Our interdisciplinary team of engineers and scientists develop products integrating mechanics, micromechanics, electronics, optics, and embedded software.

Our competences

- System engineering
- Technology assessment
- Active implant design
- Electro-mechanical design
- Low cost plastic disposable design
- Fluidic / micro-fluidic design
- Actuator / transducer design
- Connected device design

Our development activities

- Project management, quality & risk management, usability engineering and design verification
- Documentation according to medical device standards
- Design transfer



Sketch drawing of a microfluidic system



Design transfer of the microfluidic system

A team combining creativity, technology and experience

We are experienced in designing solutions that incorporate complex functionalities without compromising on security or ease of use. Some reference projects include:

Long term active implants

- Implantable pumps for chronic pain treatment
- Implantable devices for gastric and gastrointestinal urology

Hearing aids

- Ultra low cost hearing aids
- Speech processor for cochlear implant

Drug delivery devices

- Pen injectors, Auto-injectors, Electro-mechanical injectors
- Connected Inhalers (MDI & DPI)
- Eye dropper for glaucoma treatment

Surgical instruments and tools

- Ophthalmic surgery devices
- Descaling device for dental industry



Implantable pump for chronic pain treatment



Speech processor for cochlear implant

A professional infrastructure and laboratories



Comprehensive set of engineering and scientific software packages for:

- Mechanical / Micro-mechanical design
- Electronics design
- (Embedded) software design
- Optics design
- Fluidics design
- Multiphysics simulation

Fully equipped laboratories for:

- Mechanical, electrical, optical, fluidic and acoustic testing
- Metrology and environmental testing
- 3D-printing and prototype adjustment
- Usability engineering
- EMC & ESD testing