



Who we are

The Use-Lab GmbH's interdisciplinary team of human factors experts independently and objectively evaluates and optimizes the usability of medical products. We work with our clients to optimize products so that they meet the highest standards of usability, user-friendliness and safety. Our goal is to ensure the safe and easy use of medical products in hospital, private practice, homecare and emergency settings. For manufacturers, this means reduced development costs and times as well as greater product acceptance and customer loyalty.

Our portfolio spans from analysis to certification and everything in between. In addition to usability evaluation, this includes designing graphical user interfaces as well as the usable design process for medical devices during which design and user feedback are tightly interwoven. User interviews, field observation, expert reviews, and focus groups as well as formative and summative usability tests number among the typical methods applied during the process. We put a strong focus on bringing future users into the picture early on to consider user requirements from the start and avoid later complications during use.

Use-Lab is Europe's largest and best-outfitted firm in this field. We have a number of usability laboratories that we can set-up as operating rooms, intensive care areas, laboratories, dentist and doctor's offices, dialysis stations or even a living room as needed for each project. Like our customers, we're active internationally and are glad to carry out studies throughout the development cycle around the world. Of course, different countries have different regulations and require differing documentation – Use-Lab has experience with this as well, for example, preparing documents for FDA certification. Over the years, Use-Lab has cultivated a worldwide network of partners and contacts in every field of the healthcare system from private practice to certification.

We are familiar with and follow all norms relevant for certification, including the IEC 62366 and FDA guidelines, during the development and optimization of use concepts for medical devices. In addition, we offer seminars on the various legal requirements and their realization in the development cycle for interested parties.

Of course we welcome your individual requests and look forward to offering you personalized support.

Use-Lab
usability for life...

» Use-Lab helps create safe, efficient and effective medical products

» Use-Lab stands for ergonomics and usability

» For satisfied users, manufacturers and patients

» Worldwide



Certified Quality Management System according to ISO 9001:2015.

What we do

» Analysis- & Specification

- Requirements analysis
- Process analysis
- Market analysis
- Risk analysis
- Expert reviews
- Benchmarking

» Design & Visualization

- User interface conception and design
- Information architecture concepts
- Software prototyping
- Icon design
- Style guide development
- Graphic design for digital and print media
- 2D and 3D visualization
- Animation

Verification Phase

- Formative evaluation of concepts with users (e.g., focus groups, user tests)
- Online questionnaires

» Validation Phase

- Summative usability tests
- Risk analysis
- Usability tests for homecare devices (e.g., required by IKK in Germany)
- Documentation for conformity evaluations
- Marketing claims substantiation studies

» Consulting

- Expert reviews
- Developmental consulting
- Development of the Usability Engineering File
- Training (e.g., EN 62366, device or topic related training for users or service and maintenance staff)

How we stand out

- » Interdisciplinary, multi-lingual team
- » More than 15 years' experience in usability engineering of medical products
- » Fully equipped simulation rooms; separate observation room; digital video recording system; patient simulators
- » Large database of representative users
- » Significant experience with international studies
- » Strategic cooperation with Notified Bodies
- » Method development in conjunction with the University of Muenster

Who we work with (sample)

Aesculap AG
 Alaris Medical Systems
 Balda Medical GmbH & Co. KG
 B. Braun Melsungen AG
 Carl Zeiss Surgical GmbH
 Dräger Medical GmbH
 Erbe Elektromedizin GmbH
 Fresenius Kabi
 Fresenius Medical Care GmbH
 GE Healthcare
 Hirtz & Co. KG
 KLS Martin GmbH & Co. KG
 Maquet GmbH & Co. KG
 Ondal Industrietechnik GmbH
 Philips Healthcare
 Pulsion Medical Systems AG
 Richard Wolf GmbH
 Roche Diagnostics GmbH
 Sanofi Aventis GmbH
 Seca GmbH & Co. KG
 Siemens AG Medical Solutions
 Spacelabs Medical GmbH
 Steute Schaltgeräte GmbH & Co. KG
 Ulrich GmbH & Co. KG
 Varian Medical Systems
 Welch Allyn Inc.

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Use-Lab GmbH

Am Campus 2

D-48565 Steinfurt

Germany

Tel: +49 (0) 2551/ 962 483

Fax: +49 (0) 2551/ 962 635

www.use-lab.com

info@use-lab.com