



Lars Henriksen
M.Sc. Electrical Engineering, DTU

Medical Device R&D expert

ID1044

Direct (+45) 81 11 33 60
lars.henriksen@medicologic.com

medicologic®

Medical Device Development

Medicologic A/S
Arne Jacobsens Alle 17
Ørestad City
DK-2300 Copenhagen
Denmark

(+45) 48 24 51 13
contact@medicologic.dk
www.medicologic.dk

Competences

- **Systems engineering.** Requirements, test and traceability
- **Concept development and testing**
- **Electronics.** Broad experience on analog and digital
- **Design verification, electronics.** Test protocols, execution and reporting
- **Product development.** Elaborate hands-on experience (hard- and software)
- **Machine vision.** Expert on custom machine vision systems. Pharma and automation, hard- and software.
- **Real-time processing and embedded systems**
- **Control theory and signal analysis**

Key results

- In-field testing and optimization of a dental intraoral scanner, to ensure technical viability as well as high user acceptance.
- Test of an optical measurement unit to characterize performance and reliability.
- Repeated prioritization of user requirements, for hard- and software departments, to achieve high pace of progress for a world leading intraoral scanner.
- Designed and developed a large number of complex custom-made machine vision systems, from idea to fully tested and commissioned systems.
- Developed and realized an embedded illumination control unit (hard- and software) of essential importance.

Personal Characteristics

Lars is passionate, pragmatic and imaginative. He is a driver, who gets the thing done, always focusing on the end goal, nomatter how many distracting complications may present themselves during the project.

Having worn many hats, such as tech lead, team lead, HW and SW developer, SW product owner, project manager and technical product manager, he has a very wide and solid experience, theoretical as well as practical.

With more than 25 years of technology and innovation, he can act as your cavalry when things go south and effectively deploy support in all development stages. He has a 'Can-do' attitude and an empathetic personality and management style.

References

Medicologic (2022 -)

Senior Consultant, electrical engineering, test.

Freelance Consultant

Subject matter expert on Lidar calibration. Test, optimization and documentation.

Leading animal health company)

Systems engineer. Characterization of an optical measurement unit, early reliability testing, finding solutions to issues identified, documentation.

3Shape TRIOS A/S

Sr. technical product manager and product owner on hard- and software side for intraoral dental scanner (medical device). Leading force in prioritizing tasks for hard- and software departments, based on extensive testing with customers. Team lead for 4 technical product managers.

DTU, Automation and Space

External examiner, primarily within the areas of machine vision, sensor fusion, neural nets, control theory and robot technology. 180+ M.Sc. and B.Sc. projects.

Videometer A/S

R&D manager and project manager. Development of high-end custom-made machine vision systems for e.g. industrial automation and pharma. Design of system architecture, development of hard- and software, algorithms, installation, verification and commissioning. Development of an embedded illumination control unit (hard- and software) of essential importance to the company.

IMAGEHOUSE A/S

Project manager and developer. Custom-made machine vision systems for in-line quality control of industrial processes. Design of system architecture, development of hard- and software, installation, verification and commissioning.

Courses

Product management excellence training (Tack International, 2018)
Leadership training (Momentum Consulting)
Scrum Product Owner (Ative).