



Digital Endoscopy GmbH is the German R&D innovation centre for PENTAX Medical, daughter of HOYA Corporation. With a focus on medical solutions, our highly qualified team members work on the conceptualization and implementation of innovative technologies; with an emphasis on digital endoscopes employing the latest CMSO-camera technologies.

You are just one step away from being a part of our highly motivated and qualified team!

We are looking for:

## System Engineer (m/w/d)

### Your Tasks

- Conception and development of algorithms in the area of digital imaging
- Establish specifications and implementing of abstract schemes in C++ and Matlab
- Business Intelligence – generate new trends in technology and analyse the market
- Application of computer vision systems in the field of endoscopy
- Carve out “Unmet Clinical Needs” in cooperation with medical professions and other institutions in the medical sector
- Conception of medical endoscopic systems and validation of those systems
- Maintenance and enhancement of exiting schematics
- Measurements and evaluation of camera systems
- Producing documentation and presentations
- Active configuration and optimization of image developments

### Your Profile

- Degree in physics, mathematics, computer science, electrical engineering, telecommunication engineering or similar studies, ideally with a PhD
- Experience in a regulated environment, where knowledge of medical technology and endoscopy are ideal
- Respective professional experience and expertise in the field of digital imaging, stereoscopy (3D) and developing algorithms for computer systems are preferred
- Programming languages:
  - Expert Knowledge in C/C++ is required
  - Python, Matlab are ideal
- Knowledge of Linux is required
- Knowledge in programming of graphic processors and FPGA's preferred
- Experiences in the area of program management is preferred
- Willingness and ability to adapt to new tasks and find unconventional, innovative solutions
- Expert English and German language skills in scientific presentations and writing

### We offer

- Passionate, innovative, and creative teamwork
- Flat hierarchies, quick making decision processes, and an international environment
- Growth through independent and challenging tasks
- Attractive compensation, permanent employment, and flexible working hours

We look forward to receiving your application. We hope that you may join our team and work with us on defining the future of endoscopic technologies. Applicants with validated handicap and adequate qualifications will be preferred.

### Digital Endoscopy GmbH

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