Software for Medical Technology

Medical Solutions

Software for Medical Technology

Today, digitalization had made its way into Medical Technology. Many modern methods for examining, diagnosing and treating a patient are based on computer technology and highly sophisticated software. Especially in digital imaging medicine, reliable algorithms for image recording and processing are required including the exchange of these data with other systems.

Efficient Software for the benefit of the Patient

Software solutions by softgate form the foundation for medical systems being used daily by doctors and staff in clinics and medical practices to benefit the patients. We develop software which helps manufacturers of medical systems to develop reliable and high quality devices. We take into account the normative requirements of ISO 13485, IEC 62304 and ISO 14971 resulting in a seamless integration into the product and its quality management documentation. Our products and services include QA documentation, hazard analysis and risk control measures.

Contact:
Peter Nix
Head of Medical Solutions

fon +49 9131 8127029
peter.nix@soft-gate.de

Solutions for many Areas of Medicine

Endoscopy

Endoscopic images or videos will be acquired directly from the camera, displayed, stored and replayed, using softgate's IMAGINGplatform. Management of patient data and medical examination data as well as integration in the clinical or medical workflow via DICOM.

Ophthalmology

In ophthalmology, data are generated by different devices as phoropter, refractometer, tonometer, pachymeter, and others. Besides these devices mainly generating data, imaging methods such as fundus photography or OCT found their way into DICOM. DICOMconnect allows for a standardized connection of these examination procedures to medical archives, workstations and resource scheduling systems.
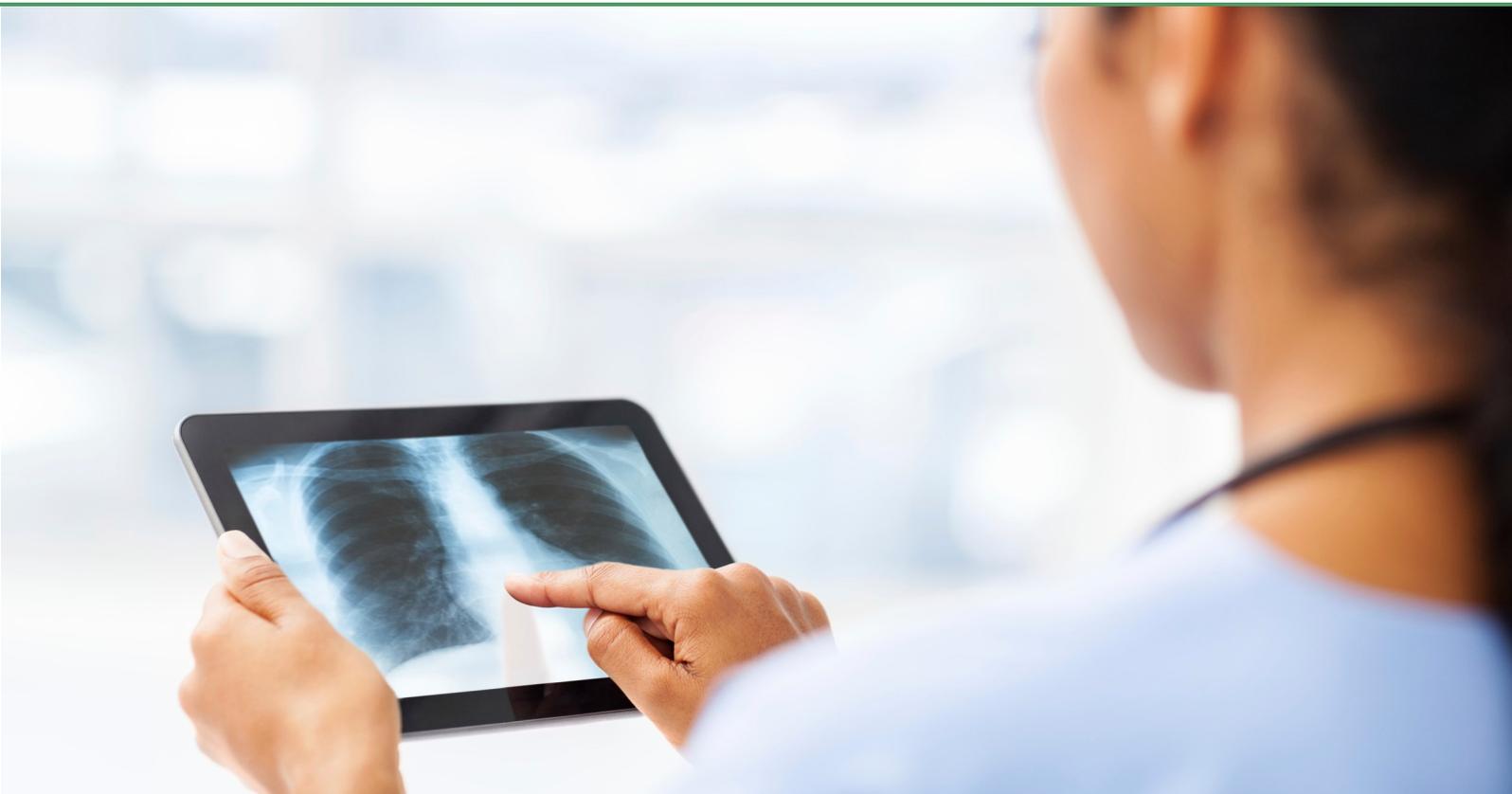
Dental

In dental imaging, there are more imaging techniques than x-ray technology, intraoral cameras for example. Using the softgate solutions, you can connect your systems to medical information systems or medical archives.

Radiology

One can't imagine radiology without connectivity via DICOM. For this very reason, it is important for manufacturers to use efficient connectivity solutions such as DICOMconnect. IHE (Integrating the Healthcare Enterprise) describes in detail the clinical workflow and is to be taken into account when developing software for radiography. This has been taken care for in the development of our medigate platform with its components IMAGINGpipeline, IMAGINGplatform, and DICOMconnect.

What about ME?

You did not find your domain? Whether your area is microscopy, dermatology, pathology, or any other: if you need medical system software – do not hesitate to talk to us! We will be happy to advise you and help you find the perfect solution for you.

Our Products and Services

softgate's products are the starting point of software development for medical devices. Being a service provider, we are used to taking your individual requirements into account.

medigate – The Platform for Medical Systems

With medigate, we provide an extensive platform for optimal diagnosis due to outstanding image quality, the overview of all medical data for the treating personnel directly at the diagnostic system, and a seamless integration into the medical workflow.

The modular design allows a perfect adjustment to your existing systems.

DICOMconnect

DICOMconnect expands imaging software systems by the relevant DICOM interface. The focus lies in user-friendliness and easy integration. As a user, you will not need in-depth DICOM knowledge.

IMAGINGplatform

Image data are important in many medical disciplines. The IMAGINGplatform manages these image data including relevant meta-information and display characteristics.

IMAGINGpipeline

For optimal processing of image data coming from camera, flat screen detector, or other image-recording devices, softgate develops the IMAGINGpipline. It provides various filters to optimize your images for diagnosis.

GDTbridge

softgate's GDTbridge enables connecting medical examination devices to medical information systems, e.g. in ophthalmology. This allows for the exchange of examination orders or examination results. The connection can be made via serial interface, USB or network. Individual customizing can be made by configuring the data exchange via the GDTbridge.

DICOM Validation

With a comprehensive collection of test tools, we simulate communication partners and evaluate the conformity and practical suitability of your implementation as well as the quality of your DICOM Conformance Statement.

softgate gmbh
allee am roethelheimpark 43
91052 erlangen
germany

fon   +49 9131 81270 0
mail   contact@soft-gate.de
web   www.soft-gate.de

@softgate_gmbh

softgate gmbh