


X-perts in X-ray

X-ray, imaging and system solutions for medicine,
veterinary medicine, industry and security



A portrait of Bernd Oehm, CEO of OR Technology. He is a middle-aged man with short, light-colored hair, wearing glasses, a white dress shirt, and a dark pinstriped suit jacket. He is smiling slightly and looking towards the camera. The background is a dark blue wall with a subtle grid pattern.

Bernd Oehm,
CEO:

„Welcome

OR Technology (Oehm und Rehbein GmbH)

Headquarters Rostock, Germany

Further subsidiaries in Pembrokeshire and
Lancashire, Great Britain














CEOs:

Bernd Oehm and Michael Rieger

Beyond the surface

to OR Technology.

We would like to welcome and introduce you to Oehm und Rehbein (OR Technology). We are proud of our 30 years of company history and the thousands of digital X-ray systems sold worldwide in more than 140 countries. We are well prepared for the future, because the customisation is our strength."

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OR Technology is a leading supplier of customer-specific system solutions for medicine and industry with a consistent quality policy - already proven several thousand times worldwide.



Many excellent reasons

to place your trust in OR Technology

Experience since 1991

... as a manufacturer of digital X-ray technology and developer of image management systems. The highly professional solutions for digital X-ray in the stationary and mobile sector as well as image management and cloud-based archive solutions for medicine, industry and security are used in over 100 countries.

Comprehensive know-how

... based on decades of experience in the development of digital image processing software, combined with special expertise in X-ray technology. A close dialogue with experts and universities is an important part of our innovation activities.

Made in Germany

... means excellent quality and best service for hard- and software.

Highest image quality

... made possible by excellent image processing using our inhouse-developed acquisition and image management software and AI-based automatic measurement tools as well as the valuable experience we have gained from several thousand successful digital X-ray system installations.

Low maintenance requirements

... since there are no mechanical parts (depending on the system) on the X-ray system that require regular maintenance.

Best service

... for customers and sales partners. OR Technology does not use the services of an external call centre. An inhouse service department with approx. 20 employees offers multilingual support, e.g. in Arabic, English, French and Spanish.

Easy system operation

... even for personnel with little radiological training. Multimedia X-ray assistants (depending on the sector) and intuitive user interfaces offer an optimal workflow with individual adaptation.

Needs-based

... for all applications, whether mobile systems, compact all-round X-ray units or small systems for confined spaces. At OR Technology you will find the widest product range on the market.

In use worldwide

... and proven. Our X-ray systems and all software products from OR Technology meet the highest international quality standards.

Sustainability

... as an equal aspect alongside economic and social aspects. Developing our company sustainably and creating an appreciative working environment for our employees are daily challenges. Our ongoing aim is to leave the smallest possible "ecological footprint".



„The power is in the quality“

*Friedrich Wilhelm Nietzsche, German philosopher
(1844 - 1900)*

Quality policy



Quality is a product of many small components within a process

Quality is an important part of our corporate culture.

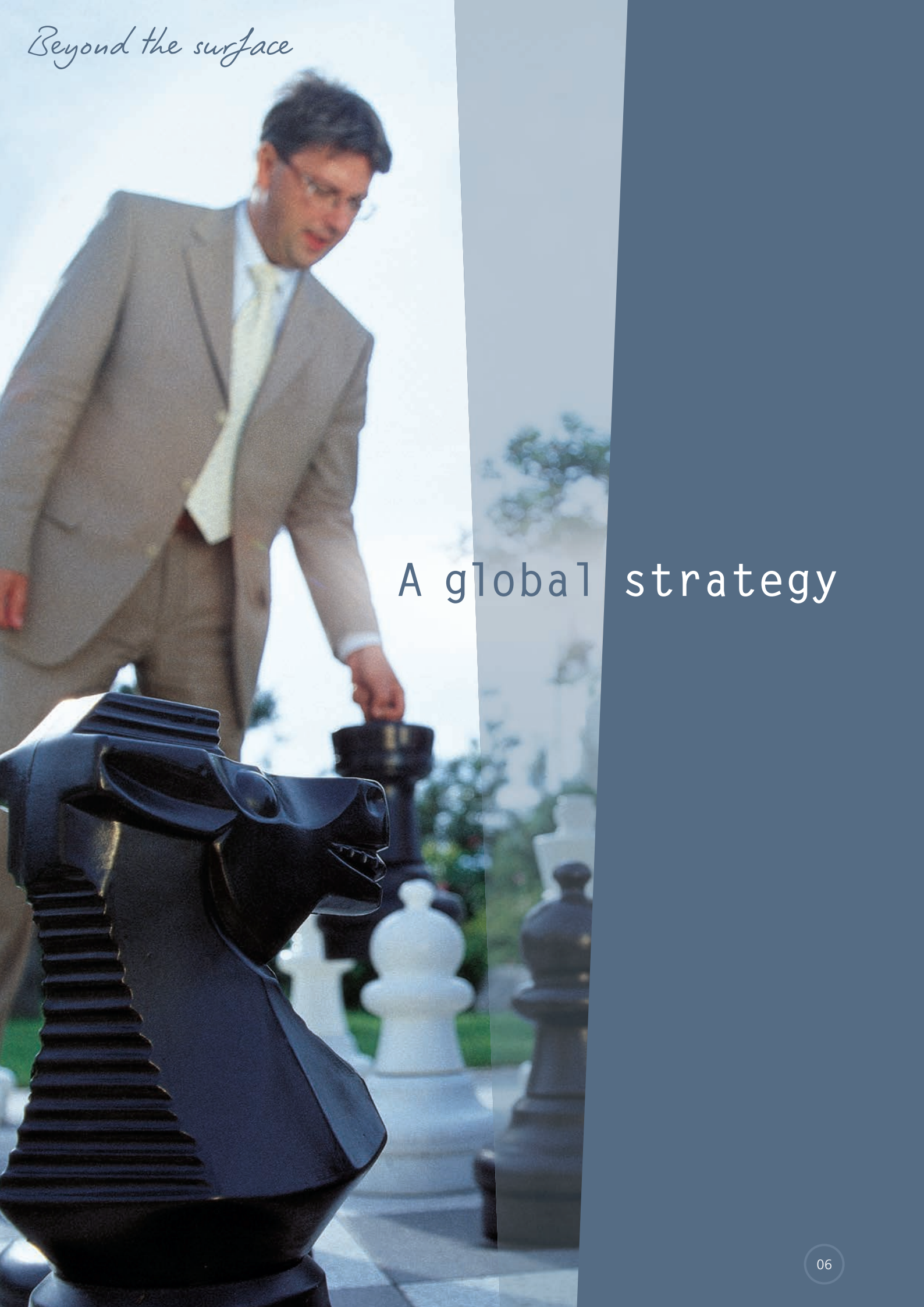
OR Technology has successfully established itself as a flexible, reliable and competent partner for its customers in the field of digital X-ray and image management.

Our vision is: OR Technology stands for quality worldwide.

Our vision is based on the following principles:

- The highest criterion of our quality policy is the satisfaction of all our customers. The customer alone determines what quality is.
- For us, quality means meeting and, if possible, exceeding both the expressed and the unspoken customer expectations of our products and services.
- All processes are transparent and clearly defined. The quality management system plays a central role in our daily work and is consistently applied. We comply with all regulatory requirements.
- The competence and motivation of all our employees is fundamental to the success of our company.

Beyond the surface



A global strategy



Vision, quality and growth - our foundation for a lasting and beneficial relationship

The history of OR Technology has been closely connected to the development of medical and industrial technology since 1991.

Even if the markets have changed globally during that period, innovation, quality, competence and cooperation are solid components of our company's philosophy. A visionary strategy, innovative ideas, consistent quality policies, investments in development and service, as well as the strategic set-up of an international distributor network enabled our company to grow from a supplier of medical practice administration systems within Germany to a system provider operating around the world. Two more subsidiaries have been added in the UK in 2022 and another in France at the beginning of 2024, an important milestone on our way to becoming a multinational medical technology manufacturer and software provider.

By now our team consists of almost 130 highly qualified and experienced programmers, IT specialists and experts in the fields of marketing and sales. To maintain lasting business relations on an international level, our staff prove their intercultural and technical expertise on a daily basis and now communicate with our customers and suppliers in no less than six languages. They are a key to our success and our most valuable asset. OR Technology is now a leading provider of customised system solutions for human and veterinary medicine, security and industry, specialising in:

- Digital X-ray imaging (CR, DR)
- Image management (PACS)
- Cloud based image distribution



Tailor-made innovation



Long term success is no coincidence.

We do not only offer products, but
customised solutions.

Our company's know-how is based on decades of experience in the development of software for digital image processing, coupled with specific technical knowledge in the field of X-ray and other imaging technologies. Close consultation with doctors, universities and engineers is an integral part of our company's approach.

As a result, we are in a position to offer technically mature and individually adjusted system solutions to our partners in the medical and industrial sectors. All product development takes place within our company in Germany.

Passionate research and further development of our *dicomPACS*[®] digital image processing software have led to the highly professional *dicomPACS*[®] *DX-R* acquisition software which is the quintessence of all our digital X-ray solutions.

Numerous renowned system integrators (OEMs) are using individualised versions of our *dicomPACS*[®] *DX-R* acquisition software as a system component successfully and profitably.

Beyond the surface



Market segments

Beyond the surface



Market segments for products and systems of OR Technology

Human medicine

Stationary and portable digital X-ray imaging, medical image management and cloud archiving for hospital, medical practice and ambulant emergency including in-house developed software solutions for image acquisition, archiving, image processing and diagnostic (partly possible with the support of AI-based tools).

Veterinary medicine

Excellent mobile and stationary digital X-ray solutions and customised image management (PACS) in equine and small animal veterinary care incl. acquisition and diagnostic software for X-ray images incl. AI-based reporting tools, image management system and cloud solution as well as CT and sonography

Industrial radiography [NDT]

Compact suitcase and backpack solutions for mobile RT applications as well as stationary individual systems for digital radiographic examination, including software and cloud solutions for acquisition and archiving of DICOM images

Security industry

Mobile X-ray solutions for various radiological applications, including professional imaging and control software for non-destructive X-ray inspection

OEM business

Software for professional acquisition of X-ray images for the complete integration of X-ray generators, X-ray stands, X-ray detectors, CR systems, image processing, image management, patient administration and PACS incl. cloud computing in one application



Industry solutions



Fields of operation



Human Medicine

- Radiology / Hospitals
- Medical Practices
- NUCCA / Chiropractors (USA / CAN)



Veterinary Medicine

- Small Animals / Exotics / Birds
- Equine / Large Animals



Mobile X-ray Services

- Disaster Protection / NGOs
- Home Care



Military Medical Services

- Military Medical Services
- Naval Forces



Maritime Economy

- Private Sector / Cruise Ships
- Commercial Shipping



Materials Testing / Quality Inspection

- Weld Seams
- Industrial Products
- Pearls
- Works of Art / Historical Finds



Security Sector

- Counter-Terrorism
- Eavesdropping Detection



OEM

- X-Ray Equipment Manufacturers



Global expertise





International Competence Network for good service and support

To give our customers a good feeling, to be available on short notice, to have regional contacts, all these are important components for the competence in the German as well as global network and the figurehead of our company.

Our products are characterised by their ease of use, compactness, flexibility and mobility and are used in various fields of application, e.g. in clinics, on ships, in mobile hospitals, in the industry and also in security operations.

OR Technology maintains a global network of local partners to ensure excellent support even after installation. The network of competence and service centres guarantees on-site service from specialists for all products and services offered by OR Technology.

OR Technology ensures its high quality standards at all competence centres through comprehensive training and further education measures.

Especially in today's world, good service and support are of great importance to customers all over the world and are becoming more and more important.

Beyond the surface

Foundation of OR Technology [Oehm und Rehbein] in Rostock, Germany

1991

Installation of the first digital X-ray system incl. PACS in an orthopaedic surgeon's practice in Bavaria, Germany

Development of our own PACS solution *dicomPACS*[®]

1996-1999

Establishment of the "OR Technology competence group" in Germany

Entry into the international market

2002/03

Expansion of our business area by incorporating veterinary medicine

Introduction of our own *dicomPACS*[®] *DX-R* acquisition software for DR and CR and first OEM partnership

Changed company structure: from a pure software provider to a system supplier

2004-2009

More than 5,000 installed work stations in over 40 countries, and more than 50 distributors worldwide

Hong Kong: entering the NDT market (non-destructive testing) with pearl imaging

2010

Introduction of the new web-based ORIX support system

Moving to the new headquarters in Rostock, Germany

Winner of the Export Award of the local Industrial Chamber of Commerce

2011/12

Release of *ORCA*[®] (OR Cloud Archiving)

Expansion of the business in NDT, security and maritime sector

Extension of the Amadeo and Leonardo product range (stationary and mobile)

Introduction of an order management system (OMS) in ORIX for our partners

2013/14

dicomPACS[®] Upper Cervical (NUCCA) and Standard Chiropractic Tools

Divario CR-T series as FUJI OEM

250th PerkinElmer XRpad flat panel sold

New sales in Bahrain, Bolivia, Mongolia, Papua New Guinea, Vietnam etc.

Further development of communication activities via the corporate YouTube channel

2015

Launch of our own flat panel series XenOR

In-house development of the lightweight mobile X-ray system Amadeo M mini

Establishment of our new web presence

Expansion of sales activities in the South American market

2016

OR Technology X-ray systems on all 7 continents incl. Antarctica

Expansion in the Security sector - delivery of 25 Leonardo DR mini systems for the police forces of an Asian state

Contract with the first OEM partner in China

2017



Milestones on the road to success

Partners from seven continents and over 100 countries have made us what we are today: a growing enterprise with a clear image of the future.

Beyond the surface

<p>New sales partners in Jordan, Bolivia and Peru</p> <p>Planning start for new company building for production, prototype construction and storage</p> <p>Expansion of international sales network</p> <p>New print media concept</p>	<p>Expansion of the Amadeo series for veterinary and human medicine with 3 models</p> <p>Development start for our new small animal table Amadeo V-DR mini II</p> <p>Product launch of the X-ray bag Leonardo DR pico</p> <p>Laying of the foundation stone of the second company building at the Rostock headquarters</p>	<p>Mastering with the corona crisis without economic disruption</p> <p>Sales increase of 400% for mobile X-ray systems in the human sector</p> <p>New product development: Motorised swivel-arm X-ray system Amadeo S motorised</p> <p>Topping out ceremony & completion of the shell of the second company building at the Rostock headquarters</p>	<p>30 years of OR Technology. We are very proud of this. We would like to thank all our partners and companions.</p> <p>Inauguration of the extension building with 850 m² of floor space</p> <p>Introduction of AI to facilitate HD examinations in veterinary medicine</p> <p>Expansion of our product lines with future-proof CT technology from GE Healthcare and portable sonography devices from Clarius</p>	<p>OR Technology acquires 100 percent of the shares in Celtic SMR Ltd. UK - Important milestone on the way to becoming a multi-national medical technology manufacturer and software provider</p> <p>Founding of the OR OstseeCollege, a platform for practice-oriented further and advanced training with offline and online courses</p> <p>Introduction of Artificial Intelligence in the in-house developed X-ray software for further measurement and reporting tools in human medicine</p> <p>Delivery of X-ray equipment for humanitarian aid in the war zones of Ukraine</p>	<p>The growth of OR Technology and its international branches continues despite various crises and economic challenges</p> <p>In his function as CCO (Chief Commercial Officer), Tim Thurn has been appointed as an additional Managing Director with immediate effect</p> <p>Launch of the company's first subsidiary in France</p> <p>Launch of the in-house development Leonardo DR mini III for veterinary and human medicine and NDT</p> <p>Development and launch of the new X-ray app</p> <p>Honoured by the Federal Chancellery with the VORSPRUNG business award by the East German Business Forum OWF</p> <p>Delivery of mobile X-ray systems and equipment to crisis areas around the world</p>
<p>2018</p>	<p>2019</p>	<p>2020</p>	<p>2021</p>	<p>2022</p>	<p>2023</p>

Product portfolio

DR retrofits

 Medici DR Systems



- Digital upgrade sets for existing X-ray systems
- Available for stationary and mobile X-ray machines
- Digital upgrade solutions for existing DR dental X-ray units (vet)

DR suitcase solutions

 Leonardo DR Systems



- DR suitcase solutions for portable radiography


Stationary, mobile and portable X-ray systems

 Amadeo X-ray Systems



- Complete digital X-ray systems
- Mobile X-ray solutions
- Portable X-ray solutions
- Dental X-ray systems (vet)

CR solutions

 Divario CR Systems



- CR systems for digital radiography with cassettes
- Digital upgrade solutions for existing CR dental X-ray units (vet)



Products for customers, distributors and OEMs in the field of digital X-ray and image management

Products for **customers** and **distributors** in the field of digital X-ray

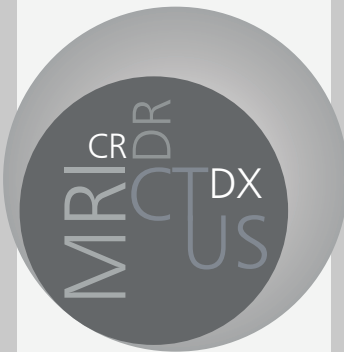
X-ray accessories

X-ray Accessories



- X-ray tables
- Mobile stands, wall mounts and cassette holders
- Portable flat panel detector mounting system and much more ...

Image management (PACS, DICOM, DICONDE, DICOS)



- Acquisition, processing, evaluation, transfer and archiving of image material
- Storage of images and documents in a digital patient file
- Distribution of patients' images via webserver

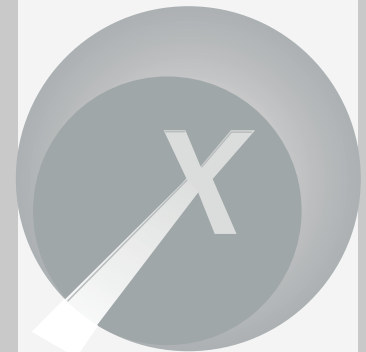
Cloud based archive solution



- Safe, long term archiving of patient data with intelligent usage of internal databases
- Communication platform (exchange of images and diagnostic reports with colleagues and specialists)
- Transfer of image data

Software for **OEMs**

X-ray acquisition software



- Professional acquisition software for X-ray images from DR systems and CR units of various manufacturers
- Complete control of X-ray generators and X-ray systems by different manufacturers
- Individualised OEM version available



Quality ensured



Good is not always good enough for us.

We are constantly striving to improve our stringent quality standards.

Within our in-house quality management, each individual staff member is personally responsible for maintaining a consistently high standard of work. The fact that our products and services have passed certification serves as a guarantee that we consistently follow the strictly structured processes in research, development, production, distribution and customer service. We thus guarantee continuous and reproduceable quality.

We are certified in accordance with:



Certified Quality Management System
ISO 13485



CE marking in accordance with the European Medical Devices Directive 93/42 EEC Annex II



510(k) FDA approval for:

- *dicomPACS*[®]
- *dicomPACS*[®] *DX-R*
- *dicomPACS*[®] *DX-R* with various flat panels
- Amadeo M-DR mini



MDSAP certification Canada, USA and Australia



HSA certification Singapore approval for:

- *dicomPACS*[®] *DX-R*
- Medici DR Systems

A close-up photograph of a hand placing a wooden block on top of a stack of other wooden blocks. The blocks are arranged in a stepped pattern, with some being light-colored wood and others being dark-stained wood. The background is blurred, showing more of the stack and a wooden surface. The text "Competence under one roof" is overlaid on the image in a white, sans-serif font.

Competence under one roof



For us, competence always
goes hand in hand with reliability
and trust

As a strong and confident partner, we stand by our distributors and suppliers and offer more than a compelling product. Suppliers profit from our internationally orientated sales structure and distributors from our technical knowledge, experience and extensive range of services.

We offer **suppliers:**

Potential customers – from medical practices via industrial clients to international distribution partners

- Large customer base with thousands of image processing systems all over the world
- More than 140 distribution and OEM partners in over 140 countries worldwide

Infrastructure – from support to complete integration

- In-house support center
- Technicians for installations as well as training of customers and distribution partners

Beyond the surface



Competence under one roof



We offer **distributors**:

Consulting – from project analysis to mentoring for large-scale projects

Programming – from software modules to the individualised OEM version

- In-house software development department – no outsourcing

Support – from hotline to download centre

- 24-hour support
- Hotline with multilingual staff (e.g. Arabic, English, French)
- Web-based ticket system

Training – with its own training academy "OR OstseeCollege",
a platform for practical training for partners and customers

- Product introduction via Internet
- Training videos
- In-house training courses
- On-site training at the customer's premises

Installation – from on-site installation to remote maintenance

- Qualified service technicians on call when needed

Marketing – from newsletters to tailor-made product brochures

- Production of professional marketing material and provision of leaflets, presentations etc.
- Web support (creation of a landing page for location-based searches, etc.)
- Advertising concepts – adapted to the target areas of our partners
- Newsletter in German and English

„We should all be concerned about the future because we will have to spend the rest of our lives there.“

*Charles F. Kettering, American industrialist
(1876 – 1958)*

Sustainability Policy



The point is to shift the focus
from short-term perception to
long-term relationships.

OR Technology has been producing digital X-ray technologies and developing image management software since 1991. Our in-house solutions are used in private practices, radiology departments and hospitals all over the world. In order for our company to grow in a sustainable manner, we must pay attention to environmental as well as economic and social considerations. We acknowledge our corporate responsibility to balance and promote these three pillars of sustainability.

We rise to the challenge of developing our company sustainably and improving the working environment of our employees on a daily basis. Our goal is to reduce our ecological footprint to the greatest possible extent.

OR Technology works with a competence network of local partners in many countries around the world ensuring short distances, fast support and competent service at the customer's site.

We act sustainably in our development and production areas. Our aim is to repair and upgrade equipment instead of replacing it immediately.

We have chosen to make the overarching responsibility underlying these activities a central tenant of our company policy. Sustainability initiatives must be regularly assessed, modified, redefined and, if necessary, adapted to new circumstances. We accept today's challenge for a better tomorrow.

Beyond the surface



Working together



It all started with passion for a cause.
Cooperation with our customers, however,
is the cornerstone to our success.

Customers' comments on cooperation with OR Technology:



Jecson Medical Center, Dr. Jose Y. Chua, Jr., Philippines on the Amadeo DR full X-ray system:

"The expectations we had of the new system with regard to efficiency and improved image quality have been met entirely. In my opinion, a major advantage, compared to CR technology, is the improved workflow and the reduced maintenance requirements of the system. The downtime due to maintenance work on the system is minimal. Since prices for detectors have dropped drastically during the past few years, a direct digital system has become affordable."



Equine Center – Centro de Diagnóstico e Terapia Equina, Dr. Reinaldo de Campos, Brazil on portable X-ray imaging with Leonardo:

"We often use the Leonardo system for field work, for example on farms and at horse shows. We can now do our work much faster and at the same time we benefit from excellent image quality. As soon as the images have been taken they are available for viewing"



Jekabpils Hospital, Dr. Igors Malikovs and Dr. Ivars Zvidris, Latvia on digital X-ray imaging with *dicom*PACS®:

"We use the webserver at 30 workstations in all our departments and at a few home offices. Calling up images [...] is so easy that some of our doctors use this access from home when they are on call."



Flagship MSC Preziosa of MSC Cruises, Francesca Russo from MSC Cruises medical service comments on the Leonardo DR system:

"We decided to purchase the Leonardo DR suitcase solution since we wanted to equip all the ships in the MSC fleet with a fast and efficient teleradiology service. We are using the system to provide both passengers and crew members with the best medical X-ray service in case of emergency.



Gübelin Gem Laboratory, Stefanos Karampelas, Switzerland on the Medici DR upgrade set and digital X-ray imaging system:

"At Gübelin Gem Laboratory (GGL), OR Technology's X-ray system is mainly used for pearl testing purposes. [...] The OR Technology X-ray system was finally chosen as it was the easiest to customise to our needs. For example, some amendments to the software and the hardware were made after close collaboration of the two companies. GGL has been using the OR Technology X-ray system successfully for more than two years now. The nacre thickness measurement "tool" (i.e., measure distances in the radiographic image) is by far the most important application for GGL. Moreover, the tools to adjust the sharpness of the image are also important."

OR Technology

www.or-technology.com | **X-perts in X-ray**

Headquarters:

OR Technology (Oehm und Rehbein GmbH), 18057 Rostock, Germany, Neptunallee 7c
Tel. +49 381 36 600 500, Fax +49 381 36 600 555
www.or-technology.com, info@or-technology.com

OR Technology UK: Celtic SMR Ltd., Frederick House, Hayston View, Johnston
Haverfordwest, Pembrokeshire SA62 3AQ, United Kingdom
www.celticsmr.co.uk, sales@celticsmr.co.uk

Info hotline: +49 381 36 600 600



www.youtube.com/user/ORTechnology