

Intelligent emergency care management for **luxury liners and mega yachts**

On the right course with digital X-ray imaging



■ made
■ in
■ Germany

Digital X-ray on the high seas



Digital X-ray images Any time - Anywhere

Digital X-ray systems by OR Technology are a modern and professional solution for an exemplary emergency care service wherever a doctor's practice or a hospital is out of reach.

... whom is this digital solution designed for?

- Charter yacht owners
- Mega yacht owners who spend long periods of time at sea
- Operators in the maritime sector
(Luxury liners, oil rigs, research ships)

... so what could happen?

Let's assume a passenger or crew member falls down and experience severe pains in his leg. A quick radiological examination is urgently required to identify the cause. This is when digital X-ray systems by OR Technology are particularly suitable. The systems are very robust, compact, splash-proof and easy to operate.

... why should you have a digital system on board?

- To improve quality of care for passengers and crew members on board
- To use security as a marketing instrument for cruises
- To save costs (it may prevent an unnecessary helicopter call-out)
- To get a diagnosis from your trusted physician via Cloud

Eight good reasons

for a digital X-ray system by OR Technology

Improved quality of care on board

... as any X-ray image required to determine a medical problem (incl. thorax X-rays) can be taken immediately.

No on-going maintenance costs

... as the X-ray system does not include any mechanical parts that require regular maintenance.

Security and peace of mind in case of sickness

...for passengers, owners and crew members.

Cost savings

... by reducing unnecessary, preventive helicopter call-outs in emergency situations.

A system easy to operate

...even for staff with limited radiological training. The integrated X-ray positioning guide provides information on the correct adjustment and positioning technique for each examination.

A diagnosis from your trusted physician

...via Cloud - Radiologists assess the X-ray images which can be transmitted worldwide via Internet.

Highest image quality

... based on more than 20 years of experience and well over 1500 installed digital X-ray systems worldwide.

Portability of the digital X-ray solution

... due to low weight and special transport solutions which allow the system to be used on several yachts or be shared between several owners, if required.

In case of malfunction, this compact solution is easy to send for repair. No need to pay for a technician to come on board.



Digital X-ray imaging

with the mobile and robust suitcase solution as an upgrade for an existing system

- **You already have an X-ray unit and work with conventional X-ray films and would like to start working digital?**
- **You are already using a digital imaging plate system (CR) and would like to convert to direct-digital X-ray imaging?**

Then our Leonardo suitcase solution is just right for you:

The compact suitcase solution is a portable, digital X-ray system for mobile and stationary medical facilities of any type. This system can be used for X-ray imaging on the high seas and in confined cabins. The extremely lightweight suitcase is easy to transport and can therefore even be shared among several yachts.

The system only requires a few manipulations to be installed on site and be ready to use. An integrated laptop guarantees high-quality image viewing. As soon as the images have been taken, they can also be transmitted to a specialist on land.





Practical

Light-weight

Fast

Digital X-ray imaging

with space saving, mobile complete solutions

→ **You don't have an X-ray system on board yet and you are looking for an all-in-one system?**

You have found it: Due to its very light overall weight and its compact design, the **Amadeo M-DR** X-ray system is suitable for a variety of applications and easy to transport. This is why the system has been used successfully by the German military forces.

The system stands out due to its optimal balance of weight, size and performance (60 kg; 96.0 x 59.5 cm). It includes all the necessary components such as X-ray detector, X-ray generator and image processing station including globally proven and tested software with a practical X-ray positioning guide.

It was specifically designed for doctors and medical services in the field, aid organisations as well as ships and oil rigs. The system is CE certified and approved for any X-ray imaging of humans. The **Amadeo M-DR** may also be packed in a special impact-proof transport box and dropped by parachute at the place of deployment.



Aside from the mobile stand, there are several other options to attach the HF generator to a wall mount, a ceiling mount or a spring arm. Ask us!





Shock-proof

For mobile and stationary use

Splash-proof

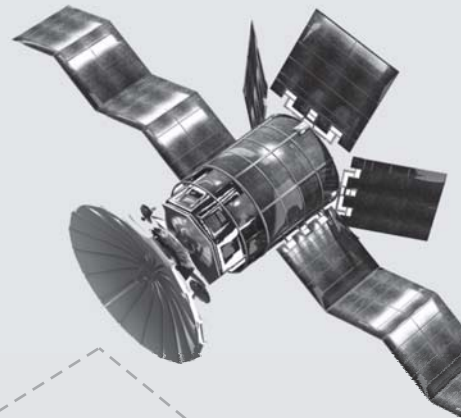
Small and light-weight

Diagnoses

made by specialists via Internet & Cloud solution

What happens if a diagnosis is urgently required – for instance on the high seas or on a remote accident site? If there is no specialist at hand in such an emergency situation, X-ray images may have to be transmitted from the treatment facility to a specialist without delay.

The mobile X-ray systems by OR Technology offer – an optimal and safe solution through an integrated diagnostic evaluation software as well as a variety of image distribution options. Observing safety regulations, OR Technology offers teleradiology solutions guaranteeing round-the-clock worldwide, fast and cost-efficient exchange of information. All that is required is a computer with Internet access.





Simple

Worldwide

Safe

Easy to operate

even for staff with limited radiological training

- Modern graphical user interface, adaptable **to almost any language – touchscreen operated**
- **Intuitive operation** – facilitates work even in unusual emergency situations without specially trained X-ray staff
- **Freely configurable** body parts with more than **200 projections** and numerous possible adjustments
- Integrated measuring tools, special image filters and many other tools for measuring and image optimisation
- Recording recurring **examination procedures as macros**, e.g. thorax screenings
- **Fully integrated, multimedia X-ray positioning guide** for correct positioning in any examination incl. many tips, videos, photos and correct images



Easy to understand

Integrated X-ray positioning guide

Many languages



On all the oceans

Digital X-ray imaging from OR Technology

Digital X-ray solutions by OR Technology are used on all the oceans. Both cruise liners and private yachts benefit from our easy-to-operate X-ray systems – combined with fast and efficient teleradiology service.

MSC CRUISES is one of the leading companies in passenger liner operation. MSC offers cruises on the Mediterranean all year round and a large selection of seasonal routes in Northern Europe, the Caribbean, Africa etc. The 12 ships of the state-of-the-art fleet provide relaxation and luxury in the middle of the ocean to more than 1.5 million holidaymakers every year.

The digital, portable **Leonardo** DR1417 system is always on board. Having converted several systems to the maintenance-free DR system, OR Technology also supplies nine ships with new mobile **Amadeo** X-ray units so that MSC can guarantee ultimate quality care on board to all passengers and crew members.

Several **owners of mega yachts** are also very content using digital X-ray solutions by OR Technology. The compact, multi-functional and easy-to-operate systems on board provide security and peace of mind in case of sickness – even hundreds of kilometres away from a clinic.



Global

Digital solutions and international service

OR Technology has been developing and producing digital X-ray technology and image management systems for more than 20 years. The company's highly professional solutions for stationary and mobile use have proven successful in medical practices and clinics in more than 50 countries.

OR Technology's know-how is based on decades of experience in developing software for digital image processing combined with specialised knowledge in the field of X-ray technology. An integral part of OR Technology's innovation strategy is close interaction with doctors and universities.

An international network of qualified partners ensures OR Technology's global presence. No matter where in the world help is needed – a service point by OR Technology will be close by.

Digital X-ray – Trust OR Technology mobile solutions!

Contact us: Tel. +49 381 600 500
or info@or-technology.com

High quality standards



Quality management system
QMS accord. ISO13485



CE certification acc. 93/42 EEC
Annex II



510(k) FDA approval
(U.S. Food and Drug Administration)



MDSAP Certificate acc.
ISO13485



Nato-Code PINr. 6525-01400



Medical facilities for mobile and stationary use....

on cruise ships, private yachts and tall ships

on oil rigs

for mining companies

for international aid and disaster management organisations (GRC, etc.)

on flying ambulances

for out-patient care (homecare) in emergency vehicles

for military medical services