



# Build a premium DRF room like no other

Philips EasyDiagnost Eleva with DRF room solutions

**PHILIPS**  
sense and simplicity

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“Having radiography in the same room where you are able to provide fluoroscopic evaluation is a tremendous advantage in terms of efficiency.”

*Dr. Donald Frush, Chief of Pediatric Radiology, Duke Children’s Hospital and Health Center, North Carolina, USA*



# Give your DRF solution the integrated edge

Philips upholds its Imaging 2.0 philosophy, a new way of thinking about radiology, across various imaging rooms. For EasyDiagnost Eleva our initiative comes to life with DRF room solutions which combine new levels of versatility, utilization and workflow efficiency. The rooms bring together classic fluoroscopy, proven Philips DRF benefits and exciting new advances in digital radiography.

## **Integrating Imaging 2.0**

Imaging 2.0 is a direct result of research into the needs and issues of medical professionals. A statement we frequently heard was the wish to allow even more integrated procedures – in the DRF room and beyond. We have responded by equipping our DRF, DR and mobile DR with more mutual benefits than ever before. A good example is that you are now able to share a wireless portable detector between the different solutions.



## **Your economic value improves**

Inside your DRF room you can use a wireless portable detector either for free exams or with a wireless tray in the table or in the vertical stand, thereby enhancing flexibility with just one digital detector. Generally, your clearest cost efficiency comes from the high utilization you get by carrying out radiography and fluoroscopy exams in a single room.

## **Your staff collaborates**

Having two modalities in one room provides straightforward collaboration. At the workflow continuity, network integration and image processing levels, the Philips DRF rooms offer the Eleva user interface and UNIQUE software. This way, facilities benefit from harmonized procedures for staff and across all premium Philips DRF and DR modalities.

## **Your patients cooperate**

Because UNIQUE image processing and the Eleva interface streamline workflow, technologists can focus on their patients. The bandwidth of Philips fluoroscopy and DR solutions means that you can care for various patient types from pediatric to bariatric. Another people-focused approach is to give center stage to X-ray dose awareness.

# The premium room for fluoroscopy

Do you want exceptional fluoroscopy image quality with superb dose efficiency?  
The EasyDiagnost Eleva classic fluoroscopy room is the right choice if your facility  
has a high load of dedicated fluoroscopy applications. Its user-friendly geometry  
works with you to support fast and confident diagnoses.



### Your classic fluoroscopy room benefits

- Full clinical coverage for all classic fluoroscopy applications
- Intuitive workflow, customizable pre-sets and motorized geometry movements
- Comprehensive X-ray dose management with DoseWise features
- Explore more: [www.philips.com/drroomsolution](http://www.philips.com/drroomsolution)



### Classic fluoroscopy because ...

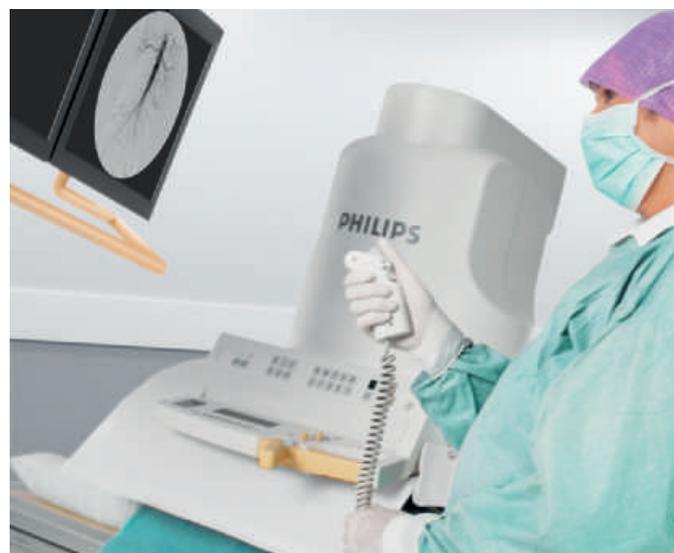
Philips classic fluoroscopy room offers full clinical coverage of all common fluoroscopy applications. You can carry out gastro-intestinal exams as well as various iodine and vascular procedures with ease and premium image quality. The tilttable supports all standard barium and iodine contrast studies. What's more, you have excellent accessibility for vascular procedures and even for interventions.

### Excellence in details

Increase accuracy and patient capacity with operator-, exam- and patient-related system pre-sets customized to your preferences. Extended programmable defaults include SpectraBeam RF filter selection, image quality and dose settings, and pre-defined print formats. DoseWise X-ray dose management rounds off the benefits with Grid Controlled Fluoroscopy (GCF) and Intelligent Exposure (IQX).

### Next steps

The most common expansion option is to add radiography to the classic fluoroscopy room. Whether it's a conventional RF room, a solution equipped with Philips computed radiography (PCR) or a DRF room, the extension allows you to increase your returns.



# Enhance flexibility with the premium RF room



Combining fluoroscopy and radiography in one room can create cost-efficient utilization advantages. The EasyDiagnost Eleva classic RF room provides superb dose efficiency and high image quality for fluoroscopy and radiography. A digital migration route is possible to link the images to the facility network.



## Classic RF because ...

With EasyDiagnost Eleva you cover fluoroscopy applications ranging from gastro-intestinal and various iodine to ERCP procedures and pain management. Additionally, you can perform radiography overview exams on fluoroscopy patients and use the room for general radiography during fluoroscopy off-hours. For radiography you benefit from the enhanced ceiling suspension and the vertical stand for more application flexibility.

## Your classic RF room benefits

- Enhanced room utilization with added radiography capabilities
- Philips fold-out cassette holder EasyLat for quickly available lateral exposures
- Option to go digital in a cost-effective way with PCR Eleva
- Explore more: [www.philips.com/drroomsolution](http://www.philips.com/drroomsolution)



### **Excellence in application variety**

Lower leg radiographic exams are possible thanks to the long vertical movement range of the ceiling suspension. The vertical stand allows you to include chest, spine, skull, and upper and lower extremities. At the table you can use our fold-out cassette holder EasyLat to smoothly perform lateral exposures. Naturally, DoseWise X-ray dose management is also used. Complement it with the optional DoseAware measuring device which makes dose levels visible to staff and allows them to manage their personal X-ray dose exposure.

### **Next level**

If you want to go digital in a cost-effective way, we provide Philips computed radiography (PCR). You can use your CR cassettes in the table or vertical stand and also perform free exams. Thanks to UNIQUE image processing the digitized images provide the same excellent impression as DR images.





“The image quality in the DRF room is outstanding. The UNIQUE system that they use to process their images is very detail oriented. Subtle things are caught and seen much easier now.”

*Anja Ancarana, Pediatric Radiological Technologist, Duke Children's Hospital and Health Center, North Carolina, USA*

#### Your DRF value room benefits

- Attractively priced configuration for a wide variety of applications
- Enhanced room utilization and fast processes by adding digital radiography
- Cost-efficiency with the wireless portable detector for fixed and free exams
- Explore more: [www.philips.com/drroomsolution](http://www.philips.com/drroomsolution)



# Optimize value with the premium DRF room

The DRF value room covers classic fluoroscopy and makes excellent use of the wireless portable detector for direct radiography. Use it for free exams as well as for table and vertical stand applications when the wireless portable detector is inserted in the respective wireless tray.

## **DRF value because ...**

The “F” stands for a variety of fluoroscopy applications from gastro-intestinal and iodine to vascular procedures. “DR” means flexible digital radiography. Filmless procedures may result in fewer retakes and shorter exam times. A high patient turnover can have a positive impact on your financial balance sheet. “Value” implies that you save expenses by using one wireless portable detector for all radiography exams carried out in this room.

## **Excellence in swapping**

Table and vertical stand have wireless trays to insert the wireless portable detector and perform most standard radiography exams. Outside the trays you can use it for free exposures and cross-table laterals. Overall, you’ll benefit from the top-tier features of Philips premium direct radiography like the Eleva user interface and UNIQUE image processing. UNIQUE harmonizes contrast and enhances image details for the different anatomical areas.

## **Next gear**

To upgrade your DRF value room you can add fixed digital detectors. When using the wireless portable detector for free exams you may increase the comfort with optional accessories, for example detector holders to reduce the physical involvement of staff.



# Increase utilization with the premium DRF room

On one hand, the DRF high performance room set-up contains full clinical coverage for all classic fluoroscopy applications. On the other hand, you have extended digital radiography productivity with a fixed digital detector in the vertical stand or in the table and a flexible wireless portable detector. The focus of this room may weigh towards digital radiography; you may even use it as a back-up chest room.





### DRF high performance because ...

You can perform a variety of fluoroscopy applications such as leg venography, intravenous pyelogram and MCU. For radiography you can decide where to allocate the fixed digital detector. Placed in the vertical stand, it is beneficial for chest or extremity exams. The fixed detector in the table makes sense if you need extended coverage for table exams like abdomen applications. An additional wireless detector enhances the projection flexibility in your room.

### Excellence in workflow

One of the major advances of Philips premium digital radiography and fluoroscopy solutions is the common Eleva user interface. Eleva easily adjusts to accommodate different physical patient types, a variety of exams and multiple operators. The touchscreen design and intuitive layout provide a smooth workflow with DR pre-images available in seconds. New users only need minutes of initial training.



### Next stitch

Utilizing an orthopedic patient support, the automatic image stitching option facilitates dedicated orthopedic exams. Up to three images are automatically acquired and composed together – a valuable tool for orthopedic diagnoses. In terms of more general options, you can add a second fixed digital detector to enhance workflow and coverage even further.

“I believe that the digital room with the digital detectors has made my life as an X-ray tech a lot easier. My workflow has improved tremendously because of the rapid images.”

*Anja Ancarana, Pediatric Radiological Technologist, Duke Children's Hospital and Health Center, North Carolina, USA*



### Your DRF high performance room benefits

- Excellent room utilization with direct digital radiography and fluoroscopy
- More coverage and high patient turnover with one 17" x 17" digital detector
- One wireless portable detector for general radiography and free exposures
- Explore more: [www.philips.com/drroomsolution](http://www.philips.com/drroomsolution)

# Cover all dimensions with the premium DRF room

Offering bariatric exams becomes increasingly relevant as the number of obese people constantly rises – especially in North America and Europe. The DRF high performance bariatrics room is aptly equipped to perform digital radiographic procedures on all patient types. You can also carry out fluoroscopic exams on a diverse range of body sizes.



## **DRF high performance bariatrics because ...**

Coverage and penetration are key issues for bariatric exams. The two fixed digital detectors in this room boast a 17" x 17" (43 cm x 43 cm) plane which enables you, for example, to adequately X-ray the abdomen or chest of bariatric patients. Plus, you can achieve excellent fluoroscopy image quality by penetrating bariatric patients with Philips Grid Controlled Fluoroscopy (GCF), our stand-out combination of in-pulse control and grid switching.

## **Excellence for high volume**

The digital detectors in the vertical stand and in the table also make this room set-up especially suited to high turnover radiography and it can even be used as a back-up chest room. Quality indicators include a resolution of up to 3.5 lp/mm and a pixel size of 143  $\mu\text{m}$ . Another benefit, which makes exams more comfortable, is the automatic tube and detector tracking. Optional automatic image stitching is possible as well.

## **Next generation**

As a further option, add a wireless portable detector for free radiographic exams and lateral table exams. If desired, you can share this detector with other Philips DRF, DR or mobile DR solutions to extend its utilization and create more cost efficiency.





“I easily increased my room productivity by 65%\*. It was so intuitive to use, the weekend technologists could operate it after only a short briefing. I have never had 100% of the technologists accept a system, except for this one.”

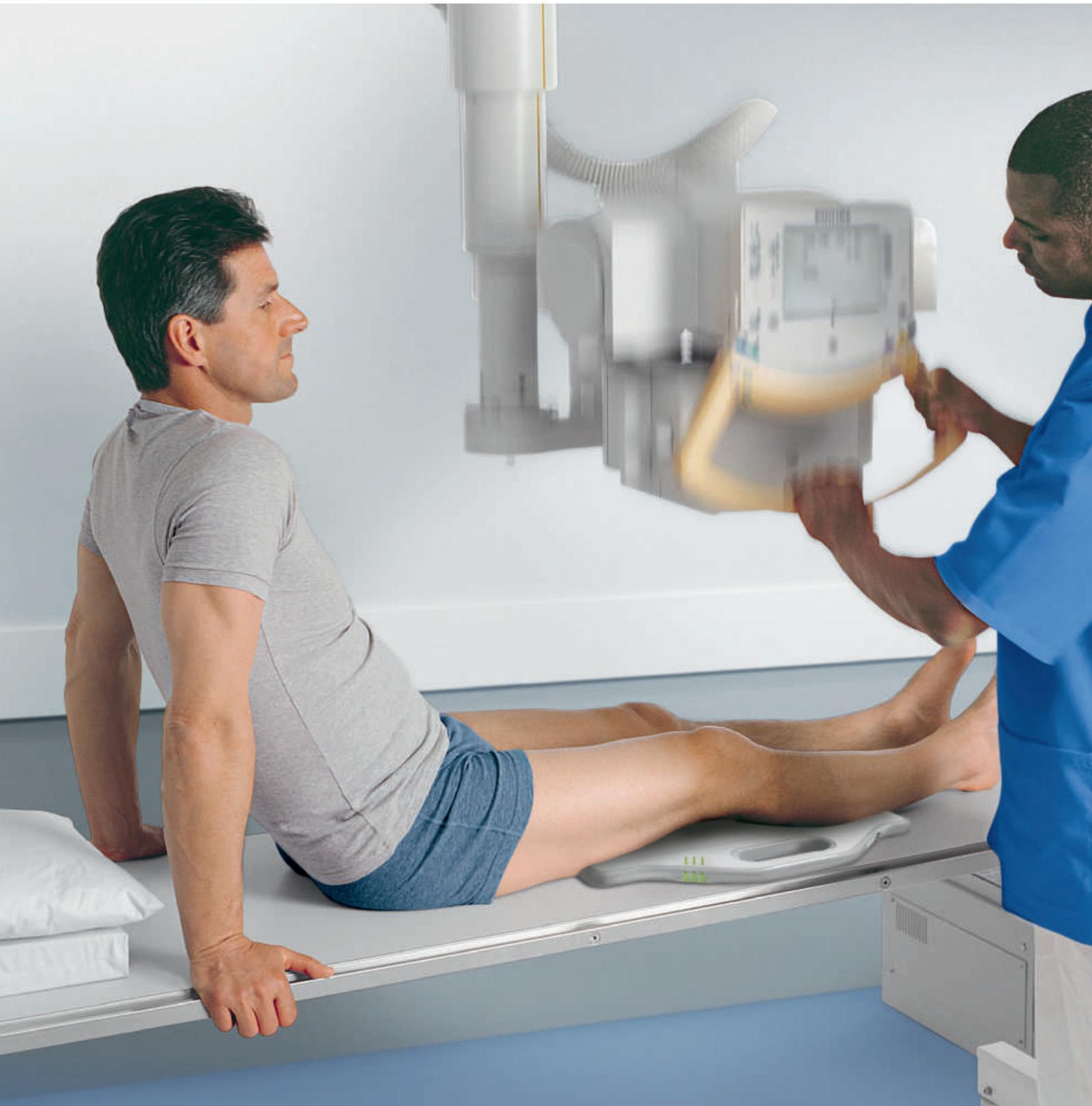
*Marc Ferro, Operations Manager Imaging Service, West Palm Beach VA Medical Center, Florida, USA*

\*Results may vary.

#### Your DRF high performance bariatrics room benefits

- Offers exceptional utilization with fixed digital detectors in the table and the vertical stand
- Its 17" x 17" (43 cm x 43 cm) fixed detector coverage is especially suited to bariatric patients
- Grid Controlled Fluoroscopy (GCF) enables penetration of obese patients with superb image quality
- Explore more: [www.philips.com/drframesolution](http://www.philips.com/drframesolution)





# Lift your DRF rooms to new levels of versatility

Philips premium DRF now offers even more efficient room utilization. You'll have more flexibility with the wireless portable detector which you can also use in a tray for fixed exams. Go beyond one room and share the wireless portable detector with other DRF rooms, DR rooms or mobile DR units. Plus, experience more comfort with the enhanced ceiling suspension.

## **Flexible wireless portable detector**

Whether used in the wireless tray or for free exams, each wireless portable detector boasts premium Cesium Iodide (CsI) detector technology for superb image quality with excellent dose efficiency and high detector quantum efficiency (DQE). Its robust design and smooth rounded edges promote easy handling. As an option, you can cover accidental detector damage and financial risk by extending your Philips service agreement.

## **Cost efficient detector sharing**

By sharing the wireless portable detector you'll achieve more cost efficiency and flexibility at the same time. Share it between the Philips EasyDiagnost Eleva DRF rooms, the Philips DigitalDiagnost DR rooms, and the Philips MobileDiagnost wDR digital mobile unit. You may also use a shared detector as a back-up or upgrade your existing solutions with more wireless portable detectors later on.

## **Comfortable ceiling suspension**

The enhanced ceiling suspension makes exams easy for technologists and patients. With its long vertical movement range of 1.65 m (5'5.2") you'll execute lower leg exams without additional tools like a chair or step stool. All functions relevant to the exams are available, allowing you to work close to the patient. The handle of the tube has a single handed break release while the tube control features an easy-to-read LCD screen.



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Printed in The Netherlands.  
4522 962 78371 \* OCT 2011