

## Other essential system considerations

In addition to supported applications, a variety of other factors require consideration when selecting the appropriate surgical imaging system. Factors such as system mobility, power output, 3D and soft tissue imaging capabilities, but also room size and budget should not be overlooked.

### Room size

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Space constraints pose a special challenge for imaging systems during surgery. A **mobile C-arm** is suitable for almost any room size and can be moved at will from one OR to the next. A **fixed C-arm** system, on the other hand, requires a minimum room size of 45 m<sup>2</sup> (484 ft<sup>2</sup>).

### Soft tissue imaging

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Soft tissue 3D imaging to detect tumors or bleedings is possible with a **fixed C-arm**. The information in these images is important for surgery planning and post-operative evaluation.

### Budget

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The most important rule of thumb for all healthcare providers regarding investments is that they must pay off. Siemens has a broad lineup of **fixed C-arm** systems, **mobile C-arms** and **ultrasound** systems to choose from for various budgets that offer great value performance.

### Mobility

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If room flexibility is one of your most important needs, a **mobile C-arm** is a solid choice. With its easy maneuverability, it can serve several ORs in the surgery department. An **ultrasound** system can provide additional information, and also requires very little space. A **fixed C-arm** is especially well suited for ORs that require more sophisticated imaging applications in a single room.

### 3D imaging

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Orientation throughout the anatomy, also the visualization of organs and bones, can be greatly improved with 3D imaging. It has shown to be particularly helpful for guiding catheters, needles, screwdrivers and awls with more confidence during minimally invasive surgery.

### Power output

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A **C-arm** system with high power output enables fluoroscopic imaging during longer surgeries. For high availability, it is important that the system does not overheat quickly, and is ready to be utilized whenever needed.