



What is an Integrated Operating Room?

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A complete introduction for hospital teams and decision-Makers

Step into a modern hospital today and you'll quickly notice that the operating room isn't just a place with a table and bright lights anymore. Now, it's a high-tech environment filled with screens, cameras, and a steady flow of information that supports surgical care like never before. But what exactly is an "integrated operating room" (OR), and why should hospitals of all sizes consider it?

Integrated OR: More than just equipment

At its core, an integrated operating room brings together monitors, imaging systems, and data into one seamless system. Instead of managing devices separately, everything works in harmony through a central control interface. This "nerve center" lets surgical teams focus on care, not on juggling equipment.

Gone are the days of hunting for remotes or flipping between screens. With OR integration, teams can view high-definition

imaging, access real-time patient data, manage video feeds, and even share live streams with remote specialists — often using touchscreen panels. Solutions like CREA provide exactly this level of connectivity, making OR workflows smoother and safer.

What does OR Integration look like?

- **Centralised Control:** Adjust video streams, manage recordings, and oversee workflow from a simple panel — all designed to support your team efficiently.
- **High-Quality Imaging:** Surgeons access ultra-clear 4K visualisation and intraoperative imaging right where they need it, improving decision-making instantly.
- **Automatic Documentation:** Surgical videos, procedure logs, and supply data are recorded and stored securely, aiding training, audits, and case reviews.
- **Remote Collaboration:** For second opinions or teaching, integrated ORs enable live video sharing and bidirectional communication, connecting experts anywhere.

Why are hospitals moving toward OR Integration?

This isn't just for big or new hospitals. From specialty centres to community clinics, integrated OR systems deliver:

- **Greater Efficiency:** Quicker room turnovers and reduced technical issues keep surgeries on schedule.
- **Enhanced Patient Safety:** Real-time data and automated workflows reduce errors and improve outcomes.
- **Improved Teamwork:** Whether in the room or remote, all stakeholders can access the same critical information simultaneously.
- **Future-Readiness:** Platforms like CREA grow with you, integrating emerging tech such as AI tools, cloud-based record-keeping, etc. without costly upgrades.

Taking the first steps

Whether you're equipping a brand-new OT or enhancing current infrastructure, look for systems that are modular, easy to integrate

with your hospital network, and come with expert training and support to ensure staff adoption.

An integrated operating room goes beyond shiny new gadgets — it simplifies tasks, supports the surgical team, and gives patients the best chance for safe, efficient care. With smart platforms like CREA, your hospital can confidently manage surgeries ranging from routine to complex with better control, collaboration, and documentation.

Curious to learn how OR integration is transforming Indian hospitals? Stay tuned for upcoming stories and insights. And if you want to explore how CREA can fit your OR needs, the Esbee Dynamed team is ready to help with honest advice — no pressure, just practical support.

For more information on integrated operating room solutions and how CREA can transform your OT, reach out to Esbee Dynamed — guiding you every step of the way.

Esbee Dynamed specialises in OR integration and connected surgical instrument tracking solutions. To learn how we can support your operating theatre, contact our team.

Write to us at info@esbeedynamed.com for more info.