OR1™ INTEGRATION SOLUTIONS

Perfecting Surgical Outcomes
The complexity of an operating room and the teams who are entrusted with handling patients require the highest level of efficiency and safety.

Now and in the future they will face more patients and more advanced procedures, while having less money and manpower available.

This is why Integrated and Digital Operating Rooms continue to gain popularity and continue to be in demand.

Finding the right support and expertise from an Integrated OR company that will supply standardization, equipment continuity for all OR personnel, and better offerings to the hospital with complete financial product packages is important.

OR1™ is a highly successful OR integration concept that has been defining the Operating Room state of the art worldwide for years.

Steady progress and advancements in medical surgery require continuous adaptation and innovations. No one understands the complex demands in and around the OR better than KARL STORZ. Each OR has its own needs and requirements and each OR benefits from an integration system.

Take a closer look at OR1™!

Delivering solutions that SURROUND you from every angle helping you to thrive while OPTIMIZING WORKFLOWS.

The innovative KARL STORZ OR1™ integration solutions create transparency and increase efficiency.

Modular, scalable & upgradable
All solutions allow starting small and expanding step by step as well as having a continuous curve of technology improvement.

Ergonomic & efficient
The core is the centralized control of all OR devices and functionalities from the sterile or non-sterile area.

Intuitive & easy to use
Our user interface was designed with hospital staff in order to reduce training efforts.

Improved workflow
Helping to manage processes and improve workflows in and around the OR is our priority.
OR1™ - Tailored to Your Needs

Services
We surround every individual one of you with a level of customized, outstanding services.

Control, Workplace
We adapt to your needs by creating a design that is ergonomic, scalable, upgradable and modular.

Content Management
We differentiate and innovate surgical workflows by integrating technology that allows those along the clinical path to “see” in new ways.

Analytics
Efficiency – identify, understand, optimize. We provide solutions that enable measurable, positive changes.

Interoperability
We enable you to rest easy, knowing that we design solutions to meet global standards. We enable all solutions to a global market standard.

Collaboration
We unify all of you so that you may collaborate in a way that promotes an exchange of knowledge globally.
Manage your entire images within the OR and beyond at the touch of a button

Future-proof AV management solutions facilitate surgery through ergonomy, collaboration, teaching & mentoring in uncompressed 4K UHD, 3D or FULL HD image quality.

- Adaptable to different demands – featuring the latest AV technologies: Video-over-IP and SDI broadcast video
- Great flexibility – routing of all connected image sources and receivers to any destination within the hospital and beyond
- Leverages the overview – all relevant information at a glance via PiP, PaP and QUAD view
- Scalable and upgradable according to your demands – start small & expand later
- Simplified case planning and OR block management – intervention status screen for OR coordination
- Improved workflow, efficiency and ergonomics – multiple work stations allow centralized control by minimizing dependency on auxiliary staff
Centralized control of your OR

KARL STORZ pioneered the control of medical devices and room functions via one interface.

- Improved ergonomics and workflow – using multiple work stations from sterile and non-sterile areas
- Enhanced efficiency – presets for automated setup of all device settings
- Reduced turnover times – one-touch snapshot preset function
- Increased safety – medical Class IIb and the latest cybersecurity standards
- Reduced training times – customary device control with intuitive RUI (Realistic User Interface) in combination with cockpit view
Enjoy your workspace

OR design that is ergonomic, modular, scalable and upgradable.

- Efficient workspace and improved ergonomics – individual room layouts to adapt to different needs and workflows
- Elevated flexibility and space saving – hardware installation on ceiling supply units, integrated in the wall or in a central technical room
- Increased safety – cable and tube free floor space
- Complete solution – from instruments via medical devices up to ceiling supply units, complemented by additional third-party equipment
Collaborate hospital-wide and beyond

Diverse communication solutions to your individual demands. Instant connection with participants worldwide, from the sterile or non-sterile areas.

- Adaptable to different needs – select from different zero footprint, cost-effective software or professional hardware based communication solutions
- Unified collaboration – connect with remote physicians for consultation, pathology for lab verification and auditoriums for education and symposiums
- Best practice sharing – multiple participants in one video conference to establish new procedures around the globe
- Improved ergonomics – direct control from the sterile or non-sterile areas
Complete your image chain

Brilliant recording, storage and management of still images and video sequences in 4K UHD, 3D or FULL HD image quality including web access and automated reporting function.

- Extraordinary innovation – offering the complete image chain in 4K UHD, from endoscope up to recording and storage
- Adapted to different needs – seamless integration onto equipment carts, into integrated ORs and existing IT infrastructures
- Improved ergonomics – recording images and videos via touch screen, camera head buttons, foot switch or voice control
- Reduced turnover times – importing patient data via DICOM work list and automated data storage in the background
- Increased patient safety – configurable safety checklists
- Improved workflow – accessing data of different systems via a web interface
- Minimized costs – saving storage space with scheduled compression and deletion
Go for simplicity

Connecting KARL STORZ solutions with your hospital infrastructure.

- Increased interoperability – seamless integration of all our products into existing infrastructures by using proven standards
- Vendor neutral – combining OR1™ with devices from any company for smooth processes
- Improved workflow – reducing working steps due to HL7 and DICOM interfaces to any existing information system and archive within the network
- Centralized user management – connecting to AD/LDAP in order to use existing user management
- Enhanced data security – no manual data input, encrypted data transfer and cybersecurity
- Minimized costs – one centralized interface to medical information and archive systems
Turn your OR into a smart operating room

Turning data into meaningful information for workflow improvement and better clinical outcomes.

- Get access to OR information – use the experience of your medical devices, OR rooms and EHR to enhance your reporting and quality assurance
- Big picture of OR usage – combining all relevant information within the OR block
- Improved education program – recording all milestones with device data and videos
- Audit safe documentation – creating gapless documentation reports for better transparency
Select your services

Surrounding you with customized, outstanding services.

• Architectural Planning Services – more than 20 years’ experience in cooperation with local architects, medical equipment planners, consultants and general contractors

• Educational program – benefit from the global KARL STORZ network for best practices

• On-site service + remote service – true “local teams” and remote software upgrades ensure systems run 24/7

• Peace of mind – Customer-specific Software Maintenance Service Contracts offer support for KARL STORZ software products to ensure the highest safety, maximum availability, and long-term value preservation

• Your choice – we partner with many major global manufacturers within the OR for maximum flexibility

• Project Management – we stay on your site with pre-installation support, project implementation and post installation service and support

• Pay as you go – benefit from the newest technology while conserving your financial resources
KARL STORZ has a differentiating competency and expertise in perfecting surgical outcomes that is at the CORE of our being, allowing us to grow and diversify.

We have become a leader not only in UNIFYING procedural development, but also in TECHNOLOGIES and ACTIONABLE SOLUTIONS that ENABLE our customers to be ADAPTABLE and efficient now and in the future.
It is recommended to check the suitability of the product for the intended procedure prior to use.

Please note that the described products in this medium may not be available yet in all countries due to different regulatory requirements.
Shaping the Future of Endoscopy with you