

artech
art of technology

OR INTEGRATION SOLUTIONS



www.artech-ipc.com.tr

PATIENT **SAFETY** THROUGHOUT THE WORKFLOW

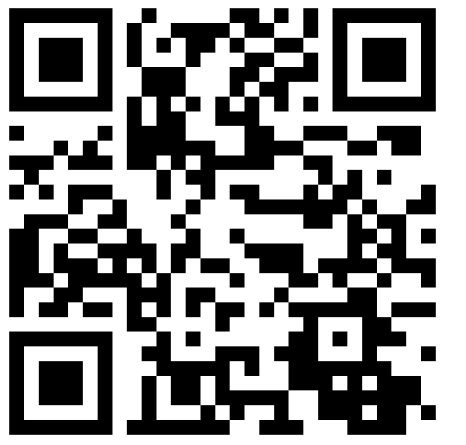
The ARTECH OR Integration System

sustains patient safety by ensuring that the surgical team is integrated with the processes throughout the operational workflow. The system allows the surgical team to work in the operating room more concentrated and comfortable. Besides, the system eliminates confusion by providing the organisation, display and broadcast features of the procedures to be applied to the patient—surgeons can instantly reach 360 degrees of data and perform an error-free surgery.



www.artech-ipc.com.tr

artech
art of technology

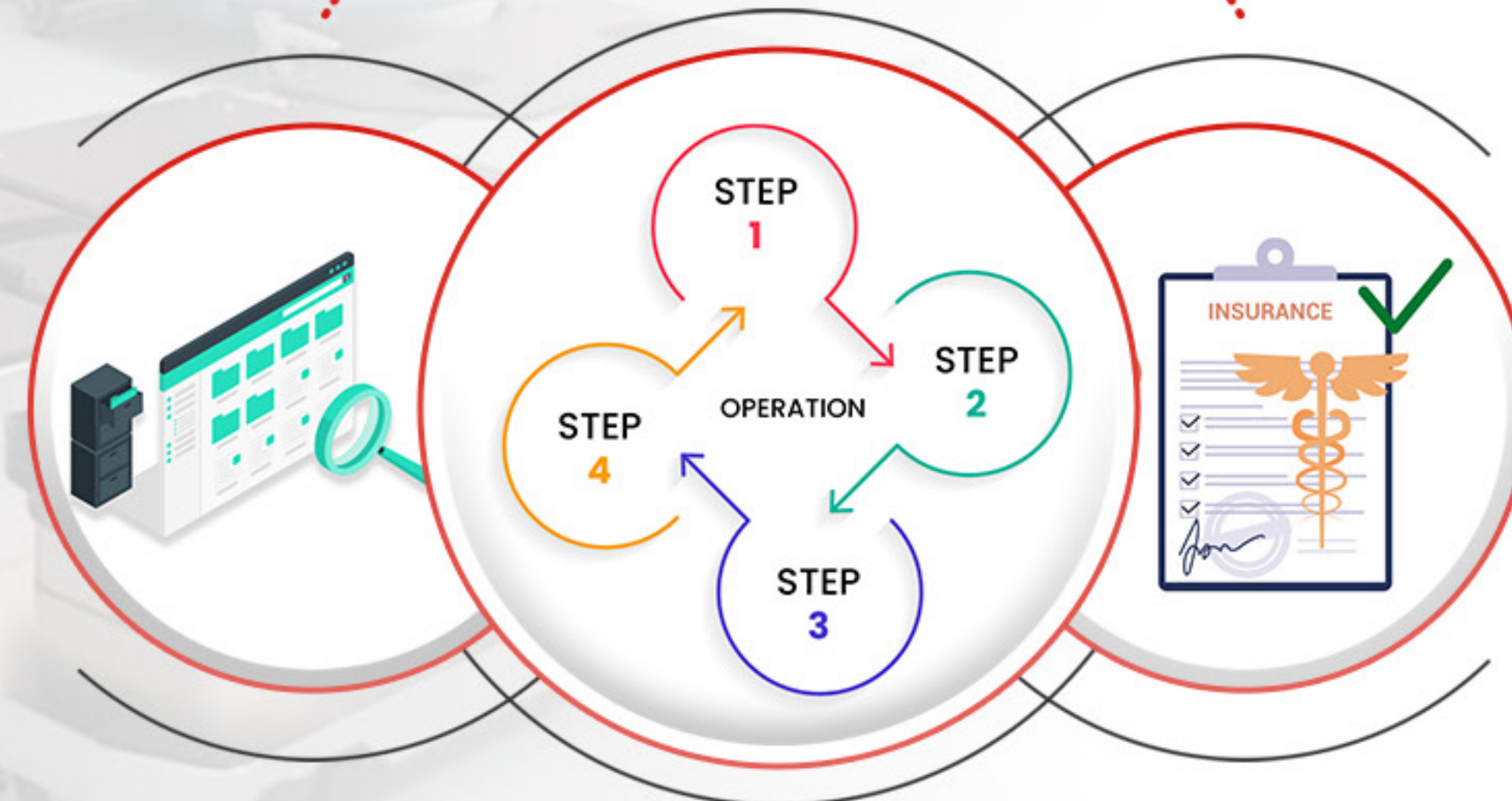


ENSURING **PATIENT SAFETY** AND CARE

The ARTECH OR Integration System organises the workflow of the OR team with digital checklists and ensures that there is no skipping in operational steps. The fact that the images from the cameras in the operating room are recorded and stored in the hospital archive, and the digital checklists also proves that the hospital ensures patient safety in applications to insurance companies.

 www.artech-ipc.com.tr

artech
art of technology



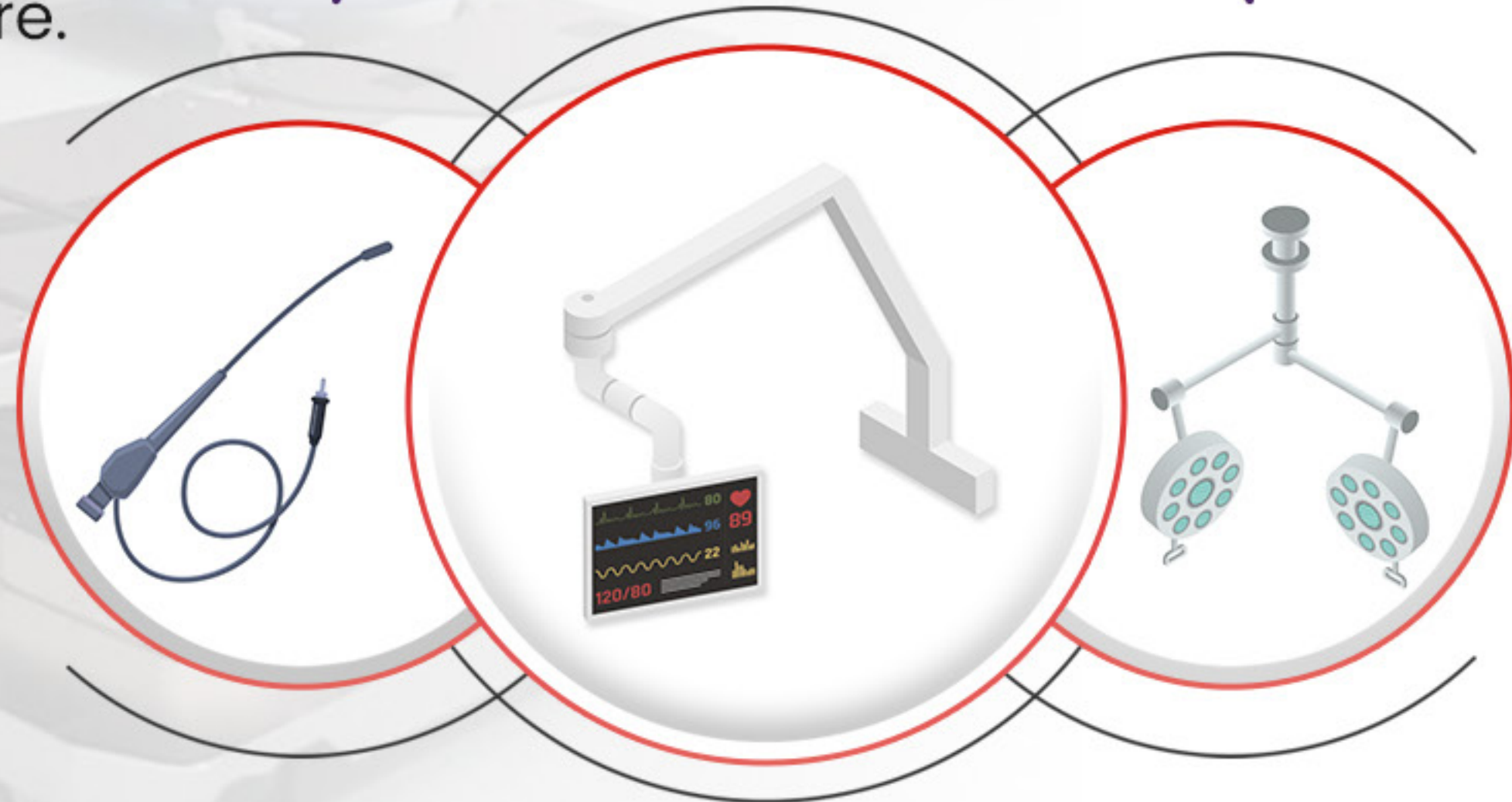
PERFECTION WITH INTEGRATION

ARTECH OR Integration System provides a technical infrastructure that facilitates additional medical devices, cameras, peripheral systems and lighting to work smoothly and harmoniously in the operating room. Other OR Integration solutions use fibre converters and switchers; ARTECH does it through the existing IT infrastructure of the hospital. Consequently, there is no extra cost for infrastructure.



www.artech-ipc.com.tr

artech
art of technology

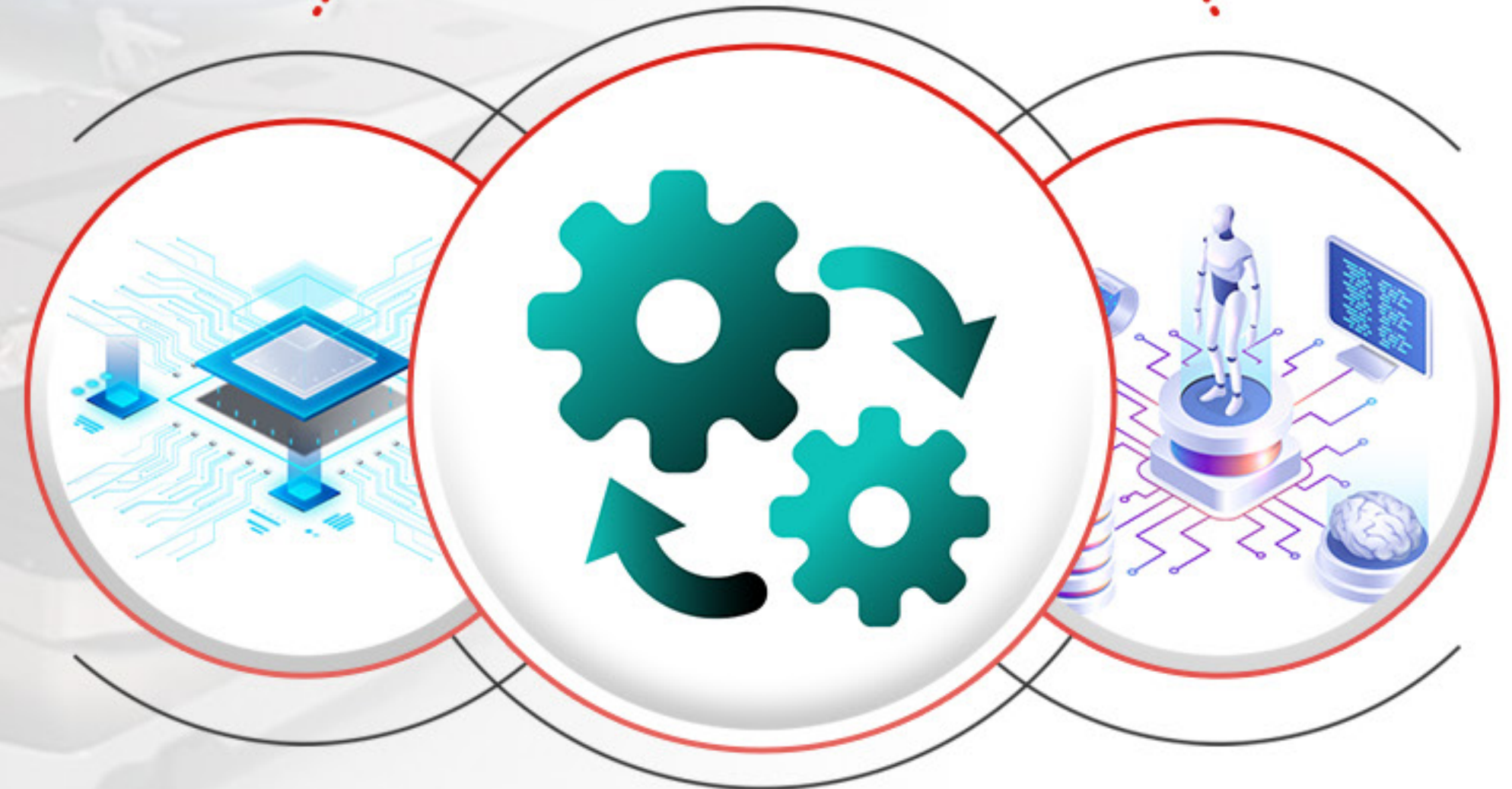


SUSTAINABILITY **FOR FUTURE TECHNOLOGIES**

The Compatibility of the ARTECH OR Integration System with current and forthcoming technologies allows the hospital to present new imaging equipment to the existing integrated system effortlessly.

 www.artech-ipc.com.tr

artech
art of technology



PLUG AND PLAY TECHNOLOGIES

The Modular Structure of the ARTECH OR Integration System enables it to adapt to hardware changes. As a result, hospitals can make their investments step by step according to their budgets.



www.artech-ipc.com.tr

artech
art of technology



TECHNOLOGY **INSIDE THE WALL**

ARTECH OR Consoles

are integrated into the walls and have a laboratory-accredited, foldable antibacterial keyboard and touchpad. Therefore, it does not occupy much space in the operating room. In addition, the system inside the wall eliminates the crowding of cables and devices in the operating rooms and provides a perfect room layout.



www.artech-ipc.com.tr

artech
art of technology



INNOVATIVE **BROADCAST** TECHNOLOGY

In ARTECH OR Integration System
four channels can simultaneously
be displayed in 4K on a single screen.
From these four channels, four different
broadcasts can be displayed and
recorded simultaneously in FullHD.



www.artech-ipc.com.tr

artech
art of technology

4K



FULLHD



INTEGRATED WITH HIS AND PACS

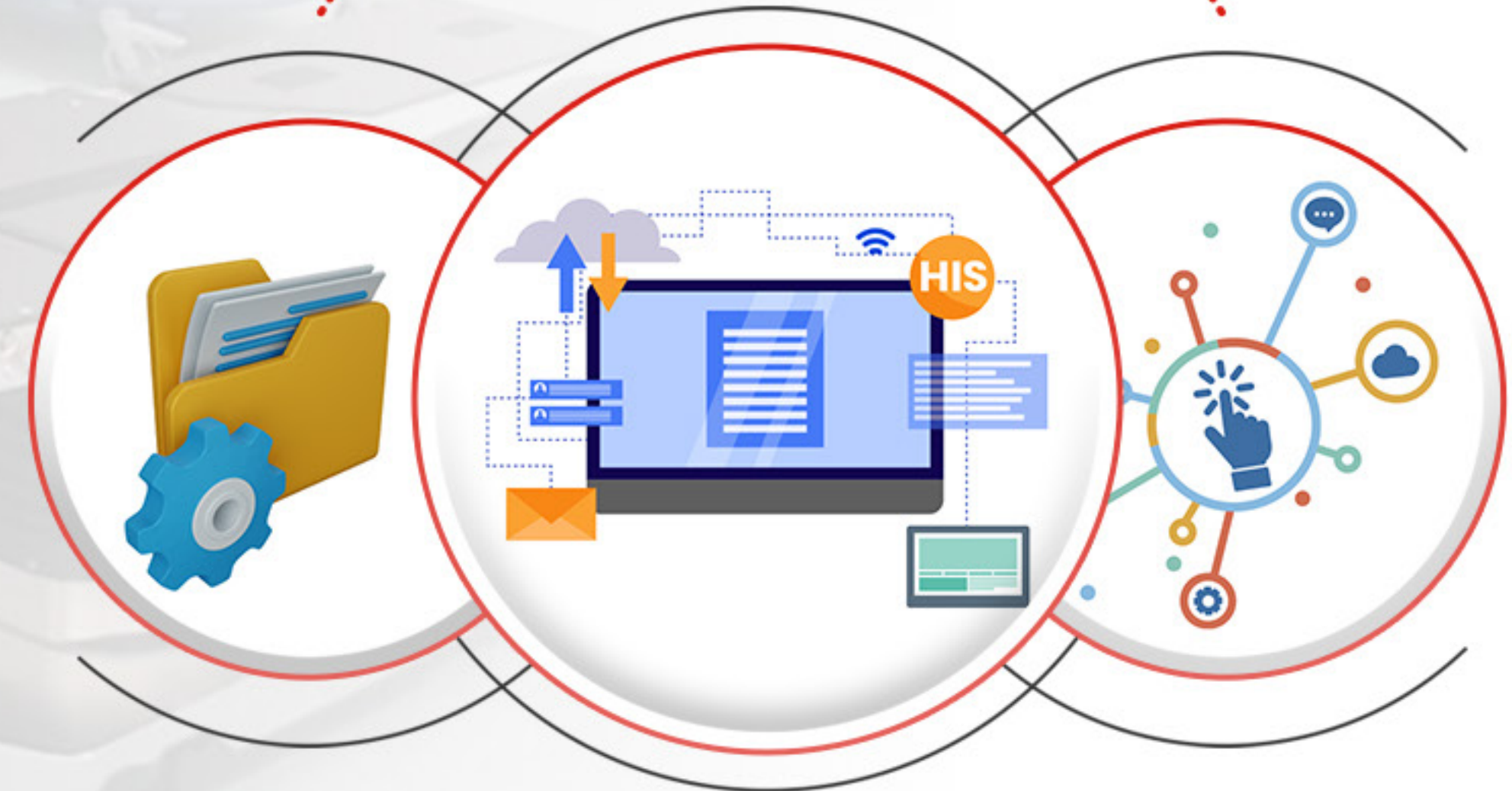
ARTECH OR Integration System

works merged with the hospital information management system (HIS) and the image archiving and communication system (PACS), helping the surgical team to accomplish the tasks defined for them quickly and without skipping.



www.artech-ipc.com.tr

artech
art of technology

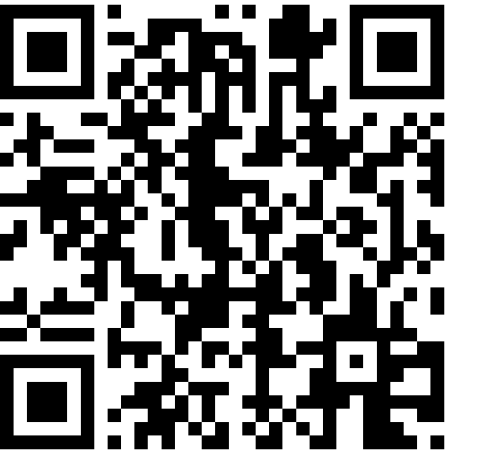


NO EXTRA STORAGE

There is no storage maintenance cost because **ARTECH OR Integration System** converts the data into DICOM MPEG4 and stores it in the hospital storage. Thus, the data is matched with the hospital PACS system. As a result, the system becomes more straightforward.



www.artech-ipc.com.tr



REMOTE COLLABORATION IN SURGERY

The ARTECH OR Integration's broadcasting module and the state-of-the-art visualisation and imaging quality allow the surgical team to instantly communicate with doctors outside the operating room for consultation.



www.artech-ipc.com.tr

artech
art of technology



COLLABORATE, **EDUCATE** AND DEMONSTRATE

If you want to train young surgeons during their first surgeries in real-time, evaluate them in post-op or invite a large group of students or an expert audience for observation, or the hospital has recently bought new medical equipment for the OR. Your staff needs to get trained on it. The ARTECH OR Integration's broadcasting module guarantees a firmly secured environment.



www.artech-ipc.com.tr

artech
art of technology



EASY TO **INVITE REMOVE** **PARTICIPANTS**

Participants need not download any application to watch the broadcast over the system. In addition, broadcasts can be easily watched via any browser by sending them a web link. Thus, connecting and managing the broadcast is more accessible, especially on urgent occasions.



www.artech-ipc.com.tr

artech
art of technology



CLIPS TECHNOLOGY

ARTECH OR Integration System
gives effortless service and
intervention with "clips technology"
suitable for operating room hygiene.



www.artech-ipc.com.tr

artech
art of technology



ACHIEVE **THE GOALS FOR EFFICIENCY**

ARTECH OR Integration

supports hospitals in achieving their goals, such as expanding productivity and forming academic libraries, perfecting patient satisfaction and safety, and digitalisation. Moreover, providing resource and cost control in matters such as recording the personnel participating in the operation and the duration of the procedure and the follow-up of consumption; allows efficient management of time, material, and invoicing.



www.artech-ipc.com.tr

artech
art of technology



CREATE PAPERLESS ARCHIVES

ARTECH OR Integration

provides that the images and videos recorded are automatically associated with the patient record for accurate documentation of each procedure. Hospitals are making significant progress in increasing EMRAM levels by creating paperless, digital archives.



www.artech-ipc.com.tr

artech
art of technology



AUTHORISED AS A MEDICAL DEVICE

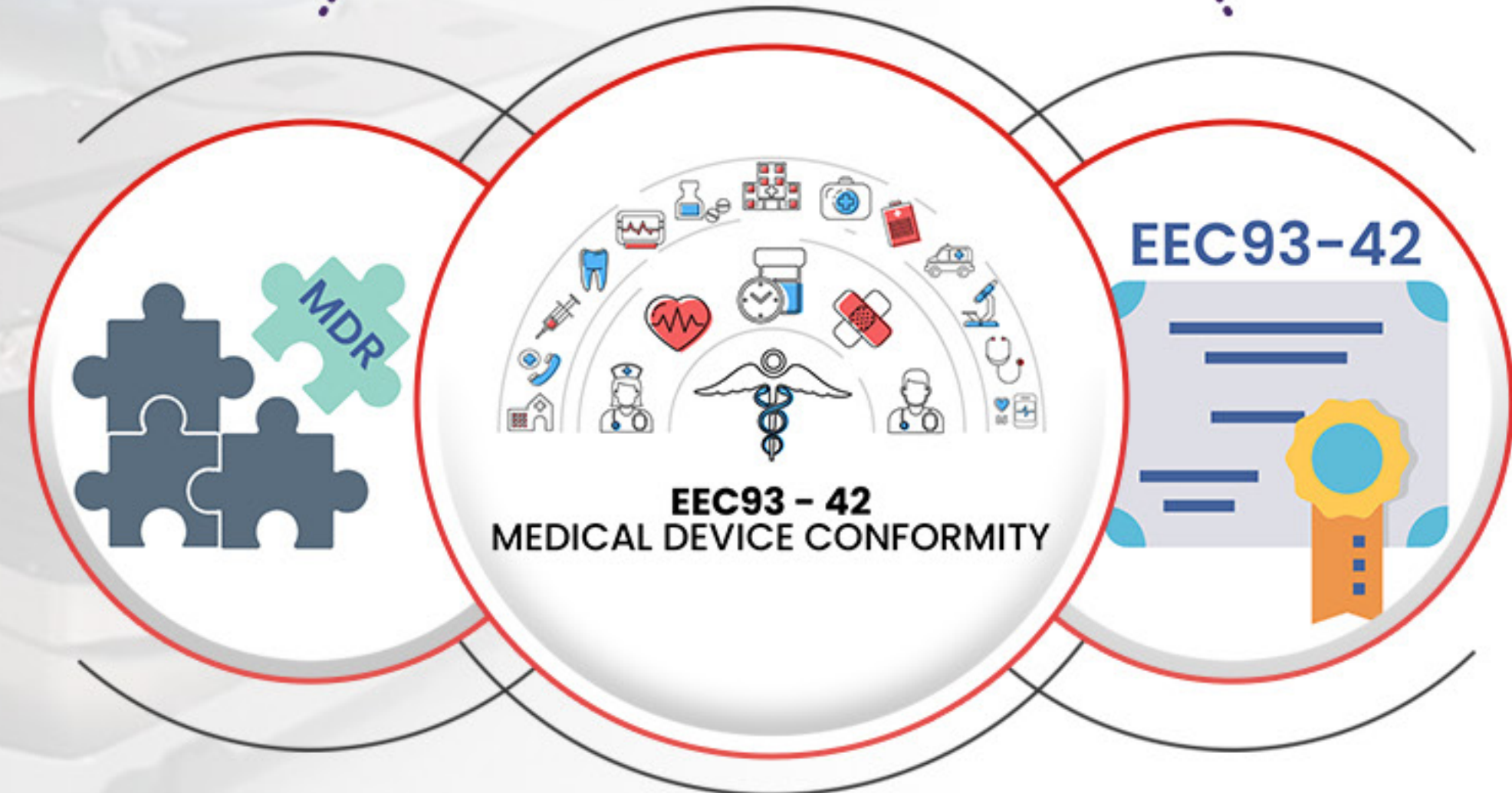
ARTECH OR Integration System

is compatible with MDR,
complies with EEC-60601 standards,
and has EEC93-42 Medical Device
Conformity certifications.



www.artech-ipc.com.tr

artech
art of technology



THE MOST **ELEVATED** **LEVEL OF HYGIENE**

Disinfectants and cleaning agents can be used to cleanse medical computers to prevent the spread of hazardous surface contamination and maintain the highest hygiene standards. Comprehensive and adequate disinfection of the equipment, which is protected against dust and liquid ingress, diminishes the risk of infection spread. In addition, ARTECH OR Integration System do not have any roughness or indentations that would prevent or make it difficult for disinfectants to penetrate in terms of cleaning. The fanless structure of the ARTECH OR Integration System does not trouble the controlled, laminar air flow in operating theatres and additional surgical intervention areas.



www.artech-ipc.com.tr

artech
art of technology



FEATURES

AT A GLANCE

- Patient Safety
- EEC93-42 Medical Device Compliance Certificate, following EEC-60601 standards.
- Error-free execution of processes with a digital checklist
- Modular Platform for future growth
- 4 Channel Camera Video Input
- Recording, Broadcasting, Archiving Module
- Camera and Video Management (Select and route images to any display)
- The monitors have a DICOM Preset feature.
- DICOM Compatible access to PACS Images
- Barcode & RFID Reader
- 46" High-Quality TFT LED Technology
- Fanless Design
- IP65 Frameless glass display & easy disinfection
- Laboratory accredited foldable antibacterial keyboard and touchpad
- In-wall Console creates more space in OR
- Effortless service and intervention with "Clips Technology" suitable for operating room hygiene.



www.artech-ipc.com.tr

artech
art of technology