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Why Are the Artech OR Integration Solutions
Stand Out From Rest?

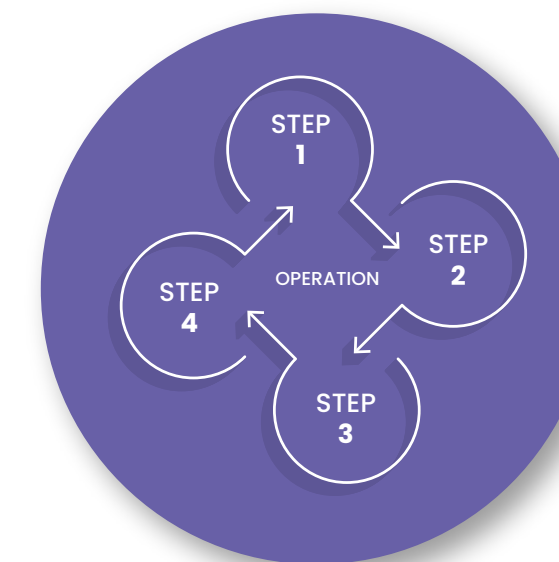
PATIENT SAFETY THROUGHOUT THE WORKFLOW

- 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.



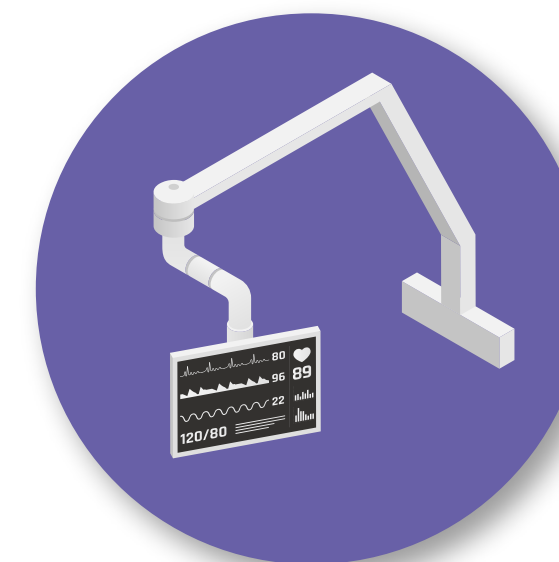
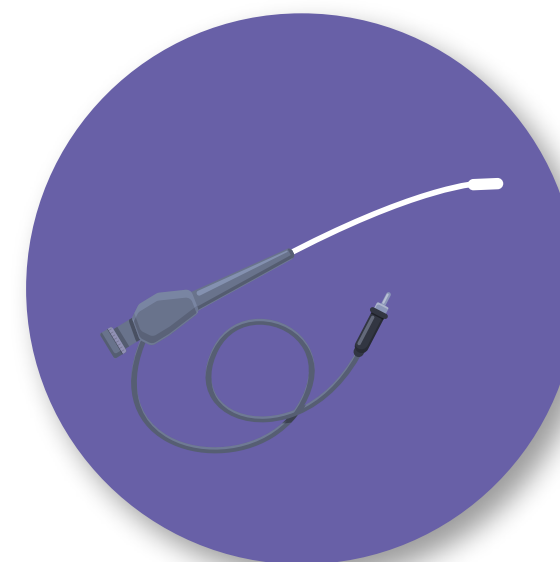
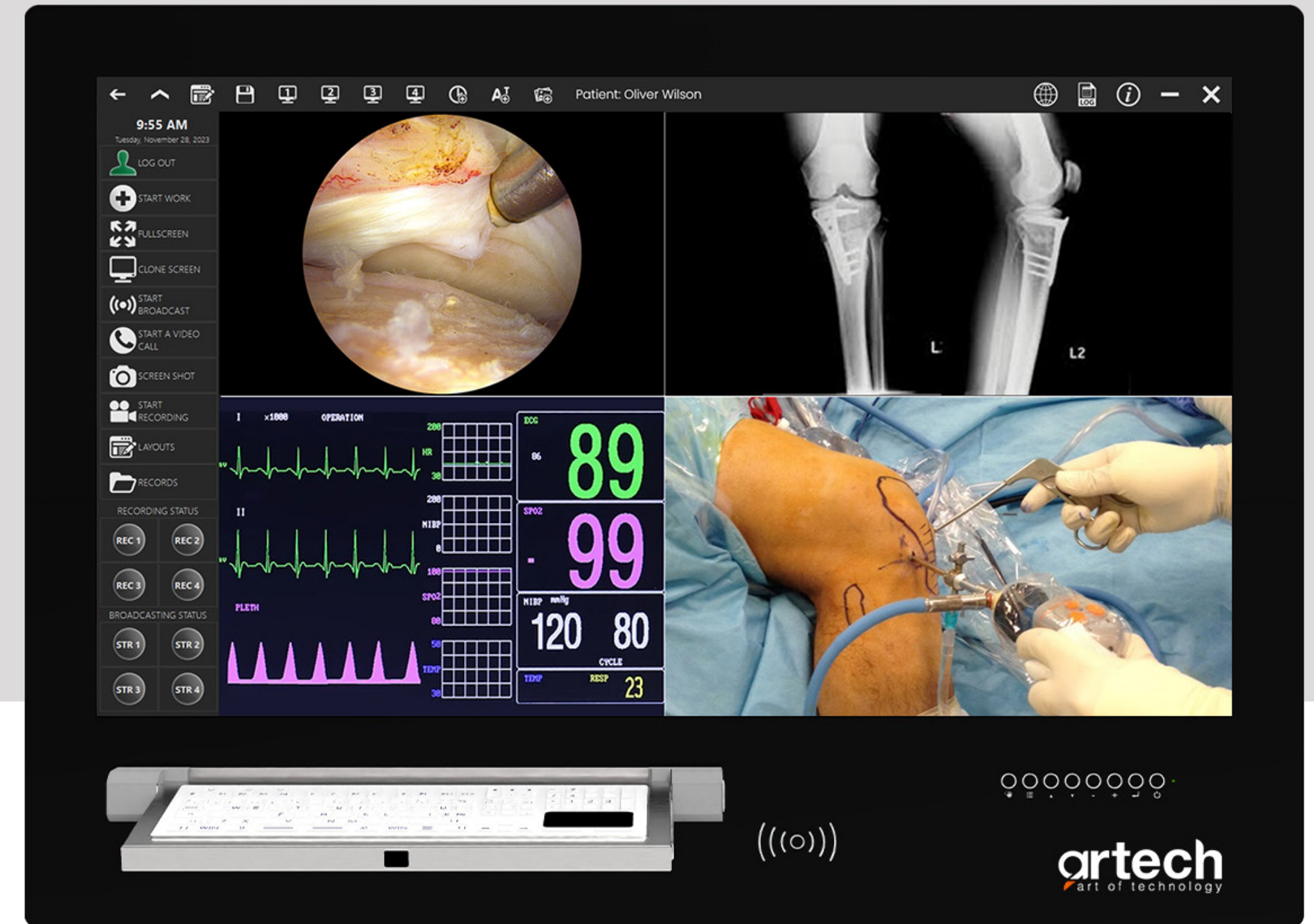
ENSURING PATIENT SAFETY AND CARE

- 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.



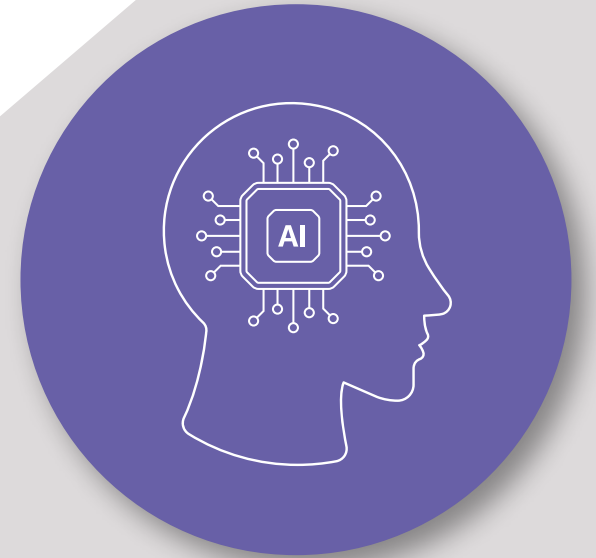
PERFECTION WITH INTEGRATION

- **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.



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.



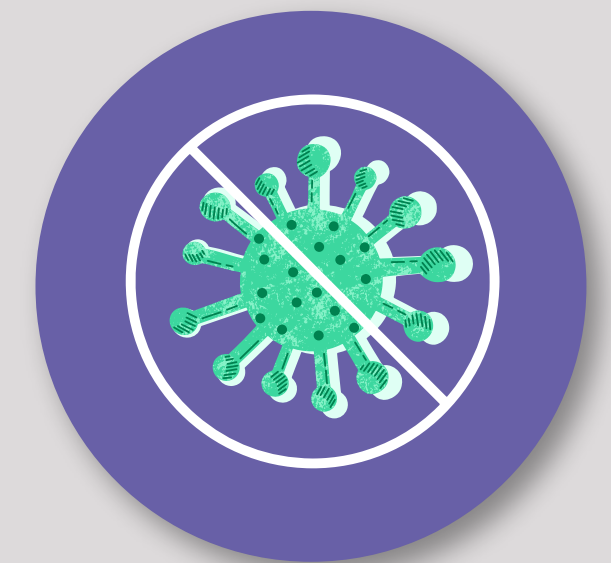
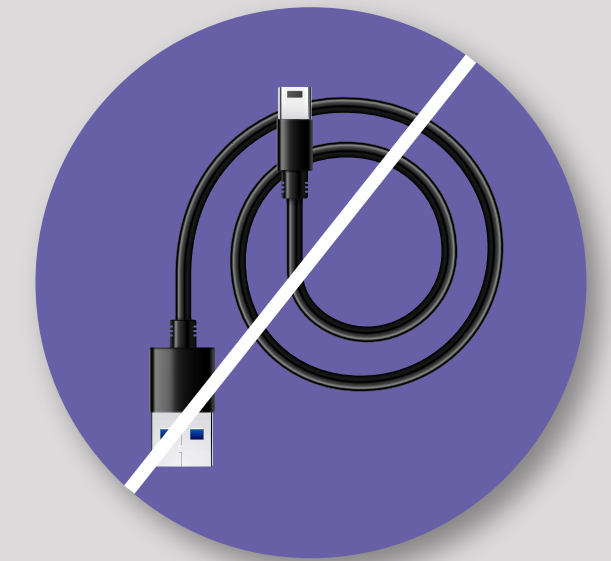
PLUG AND PLAY TECHNOLOGIES

- 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.



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.



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.



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.



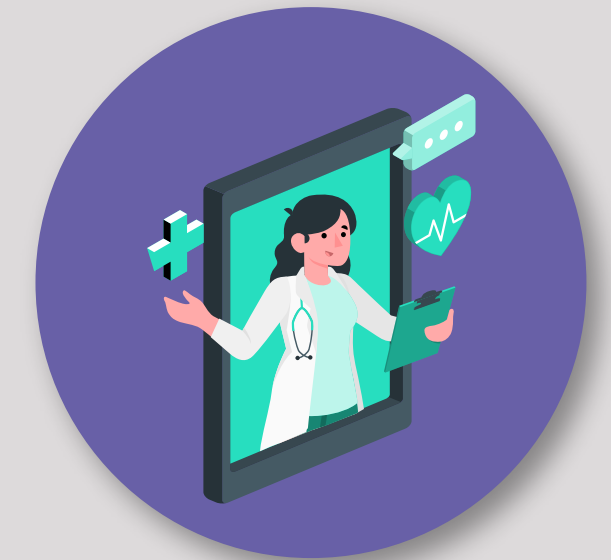
NO EXTRA STORAGE

- 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.



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.



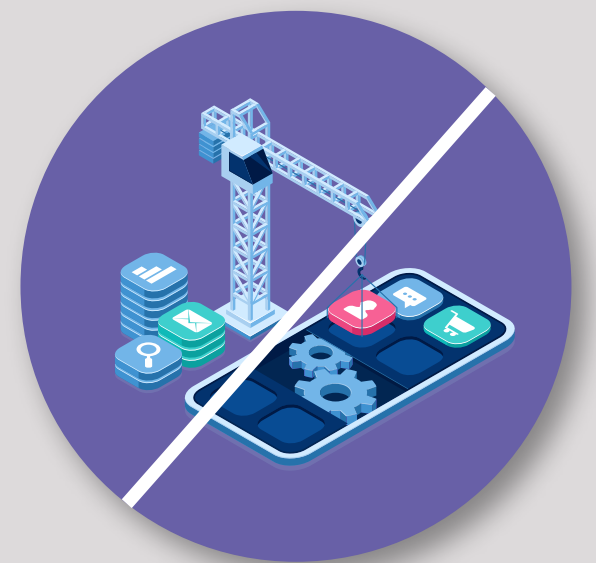
COLLABORATE, EDUCATE AND DEMONSTRATE

- 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.



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.



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.



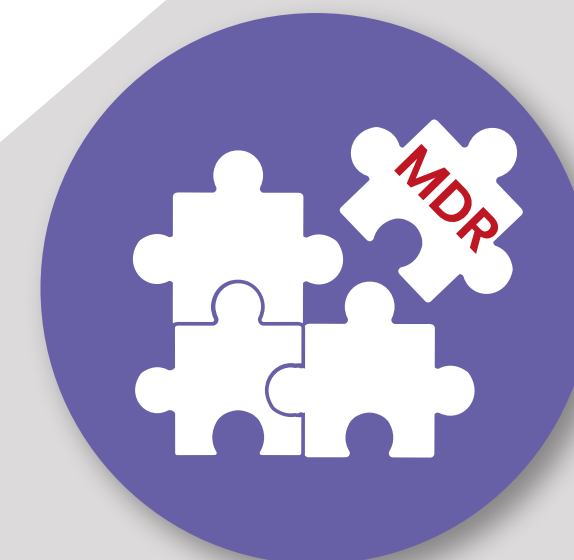
CREATE PAPERLESSLY ARCHIVES

- **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.



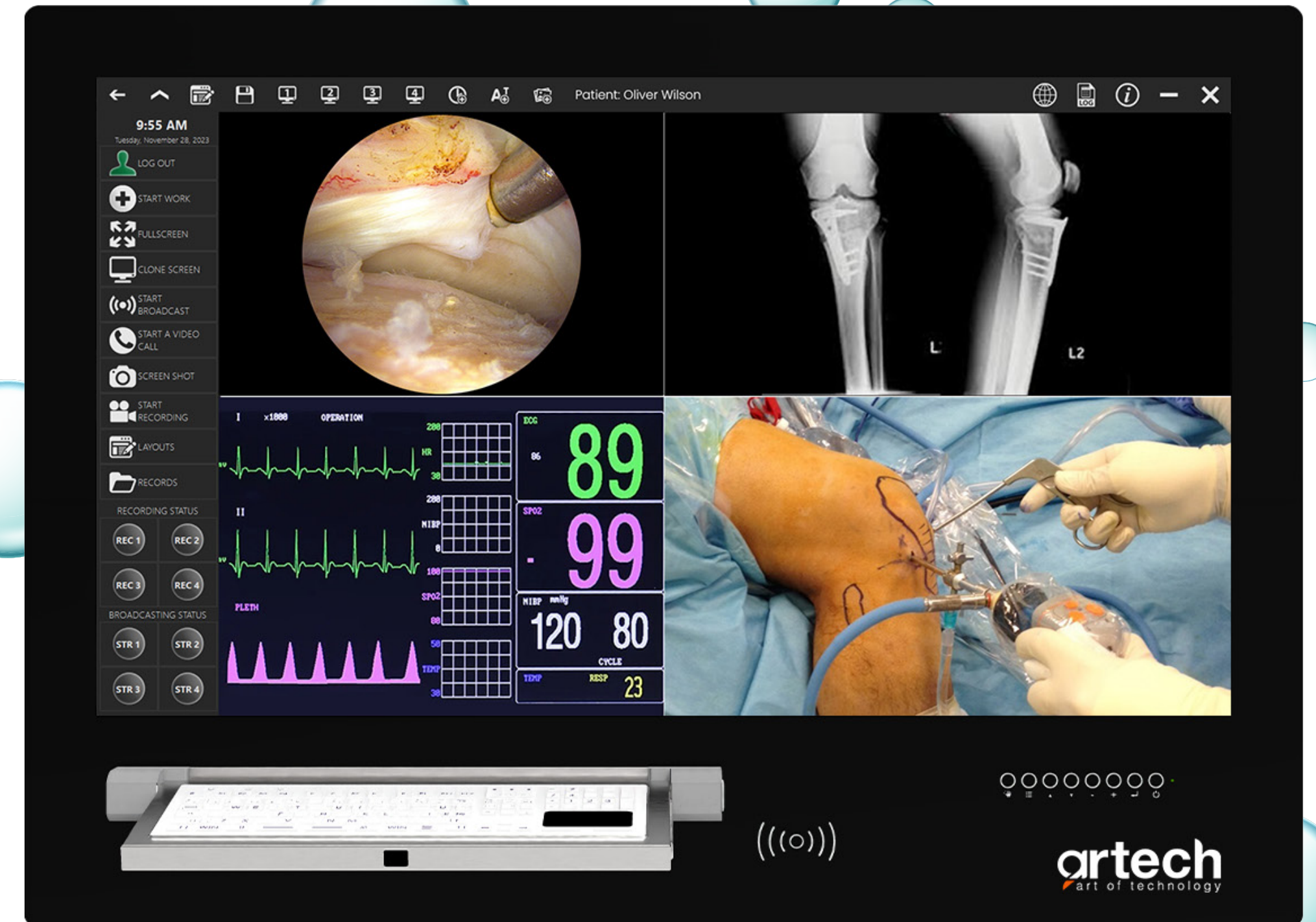
AUTHORISED AS A MEDICAL DEVICE

- **ARTECH OR Integration System** is compatible with MDR, complies with EEC-60601 standards, and has EEC93-42 Medical Device Conformity certifications.



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.



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
- 24" / 46" / 49" 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

Why Artech Medical Computer Solutions?



Customer orientation and sustainability

Artech Medical Computer products are modular and do not require maintenance. They offer a rapid and uninterrupted technical service opportunity with up to 3 years of warranty and 5 years of spare parts support.



Rigorous quality control and high customer satisfaction

Each of our devices is tested in our in-house test laboratory and delivered to our customers after passing through quality processes.



Compliance with international standards

Our products have the CE Certificate. Artech Medical Computers and Operating Room Consoles are designed for sterile hospital environments, hold a 93/42/EEC Medical Device Certificate, and are manufactured in accordance with IEC-60601 Medical Device, electrical, and safety standards.



Fast and professional technical services

We ensure that healthcare personnel can focus on providing the best possible care for patients by offering a simpler, safer, and more modern working environment through video and data integration.



ÇİZGİ TEKNOLOJİ



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Çizgi Teknoloji Elektronik Tasarım
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