

MVS VEGA

Solutions for documentation, telemedicine, workflow support and automation in clinics







Integrated operating room

- Ergonomic solution for the comfort of surgeons and surgical teams
- Enhancing the OR efficiency
- Safety and security for doctors and patients





BEFORE THE SURGERY

Tracking of surgeries on the smart online board and **notifying** the medical personnel when the OR and the patient are ready.

Broadcasting video streams to the monitors in the corridor and to any computer within the hospital.

2 4 Customizing the OR environment (lights, temperature, humidity) and creating presets to save time.

- **4-7 9 Access and visualization** of the PACS, MIS, LIS and other required information on the monitors inside the operating room to provide better comprehension of the case.
 - **Start documenting** the surgery from different integrated information sources by pressing a single button.
 - The option to **quickly start** an urgent surgery or select a scheduled one.

DURING THE SURGERY

- **4-7 9 Routing video sources** (endoscope, microscope, ultrasound, C-arm, etc.) across monitors.
 - Possibility to **rewind** video and review the captured frames while recording in progress.
 - **Teleconsultations with peers** using two-way videoconferencing.
 - **Resident physicians can watch** the surgery on a monitor away 9 from the operating table.
 - **Videoconferencing** with the possibility to broadcast all the available sources to the hospital conference room or to an external location.
- Taking snapshots and short video clips to **quickly export the key** events of the surgery.
- **Timers and stopwatches** with the start and stop time captured in the video stream.
- 4 Text markers to **quickly find marked events** in the recorded video
- 2 4 Control of the connected equipment from any touch screen and alarm notifications.

Synchronous recording of all video sources with subsequent archiving.

AFTER THE SURGERY

Completion of documentation and **automatic uploading** of data to the central video archive of the clinic.

Sending data about performed surgery to HIS.

- **Safe and simple disinfection** of integrated OR components 1-9 thanks to design solutions.
 - Access to the surgery archive to analyze challenging cases as well as for advanced and corrective training.
 - Video editing and export of selected segments.

Generating surgical **reports**.

Ability to use the video archive to **protect** the medical staff and the patient in controversial cases.

Streamline surgical workflow basing on the collected data.





Telemedicine cart

- Simultaneous recording and streaming of up to 4 video sources
- Two-way video teleconsultations
- Synchronization of recordings with central archive of the clinic



Surgical video archive

Data from the terminals is uploaded and stored in the central archive of the clinic



Clinical information environment

DOCTOR'S OFFICE

- tracking of surgeries on the smart online board
- video streaming from the ORs
- surgery video archive

MEETING ROOM

- scheduling surgeries
- streaming video from the operating rooms
- surgery video archive

AUDITORIUM

- video conferencing with the surgical team
- surgery video archive

STERILE CORRIDOR

- monitoring the scheduled surgeries
- online monitoring of the day's workload
- video conferencing with each operating room

CHIEF MEDICAL OFFICER

and all

- monitoring the status of each OR and staff availability
- video streaming from the ORs
- video conferencing with the surgical team
- surgery video archive

SERVER ROOM

INTERNEY

• surgery video archive

HIS, PACS

INTENSIVE CARE UNIT

- patient monitoring
- continuous data recording 24/7
- video conferencing

OPERATING ROOMS

- flexible routing of video and image sources
- synchronous video recording from all the available sources
- devices and utility systems control
- video conferencing

EXTERNAL LOCATION

• 2-way video conferencing with sharing of all the sources available the OR





Everything is extremely functional, everything is logical, everything is well thought out. Functionality that is used 100%. Ergonomics is amazing, too. I believe this should be promoted as the standard for the entire country. I am absolutely thrilled!

It took us quite a while to choose a solution to have the operating rooms in our clinic integrated, and in the end we opted for a product by a domestic manufacturer, the MVS Company, and we have never regretted it!



Eduard Galliamov Honored Doctor of the Russian Federation, MD, Professor



Sergey Popov Chief Doctor St. Luke Clinical Hospital This is a European-level solution, all our wishes have been taken into account. I am impressed with the high quality of the work done. Everyone will feel comfortable working here: medical staff, surgeons, support personnel, engineers, medical technicians.



Nikolay Grekhovodov

Chief Maintenance Manager, Federal Center for Cardiovascular Surgery (Khabarovsk)







Digital intensive care unit

- Continuous data recording 24/7
- Interactive nurse's station
- Quick access to patient's history
- Two-way video conferencing
- Integration with hospital information systems

68MVS





MVS solutions



Complete data capture and documentation

Head-mounted camera



Built-in surgical light camera



Overview camera



CT-scanner







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Recording of all the data available during the surgery

Surgical microscope



Endoscope

Ultrasound



Patient monitor

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C-Arm

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Centralized devices control

 Intuitive customization of the operating room workspace

SHIVS.

- Control of utilities and medical equipment
- Customized presets
- Alarms and events documentation





OR telemedicine

- Two-way video communication with the OR from any location
- Streaming from all active sources is available to the conference participants
- Invitations via secure external links
- Recording of the conferences along with the surgery

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Patient history

Quick access to archive data via browser or touchscreen



Intuitive player

Synchronous playback of multiple video sources in a user-friendly interface







Surgeries progress monitoring

- Clean visual overview of all planned and ongoing surgeries
- **Real-time coordination**
- Easy scheduling and rescheduling of surgeries





















