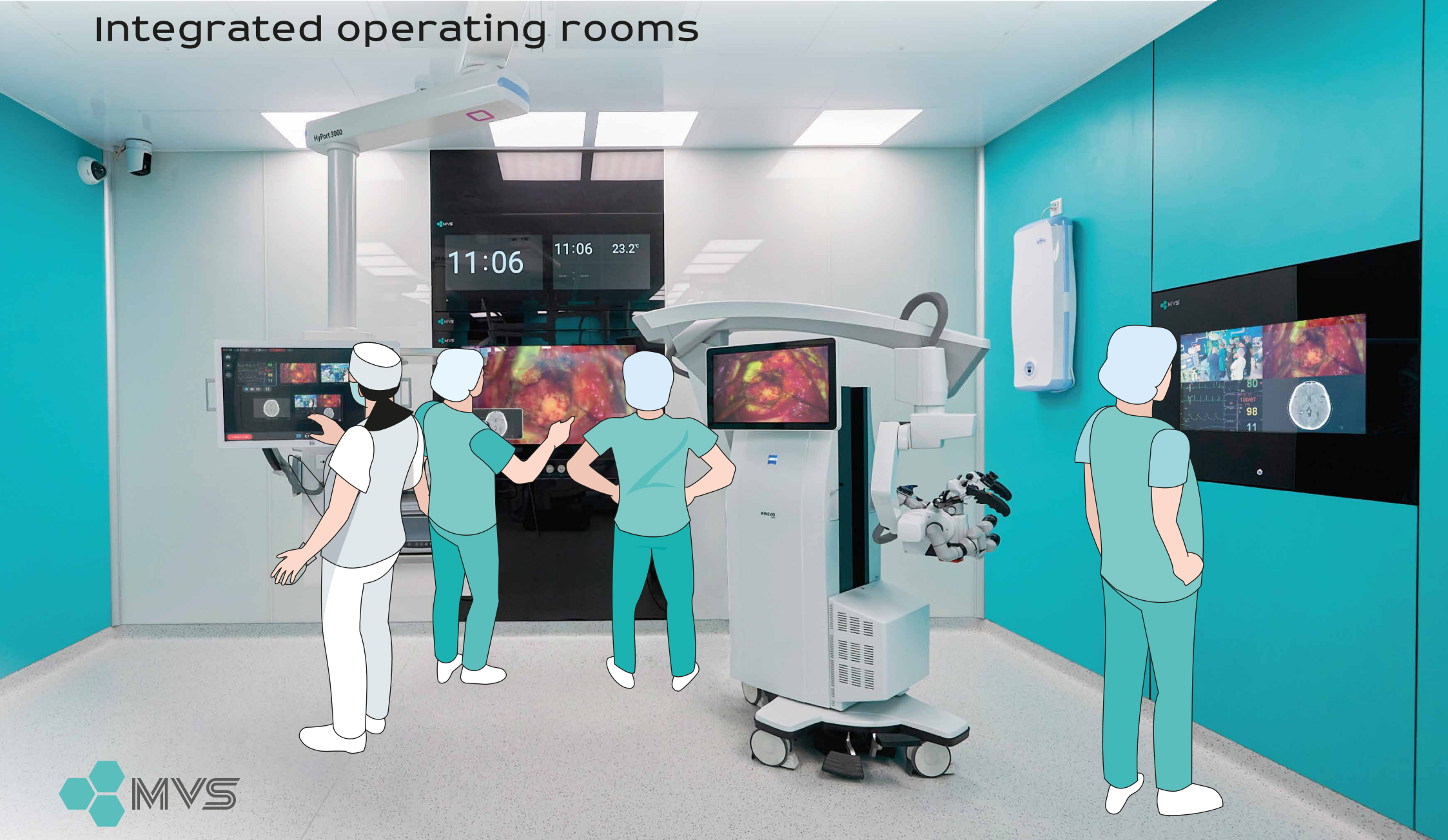


IDEAS BROUGHT TO LIFE

Integrated operating rooms





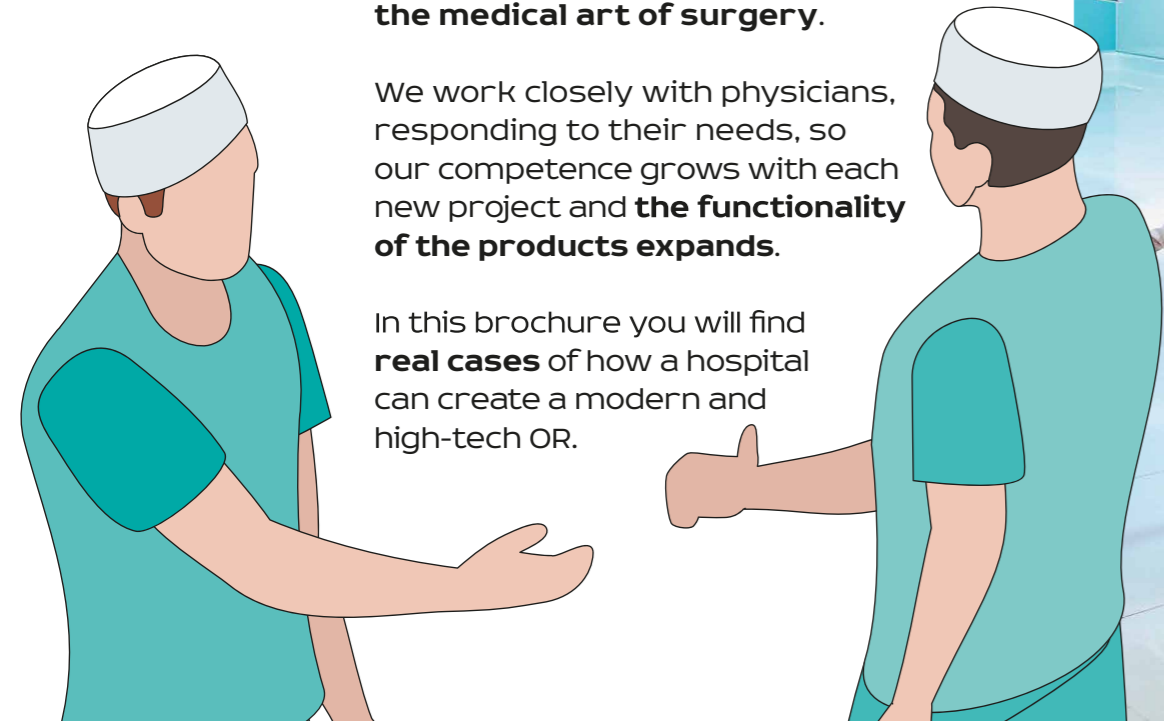
Dear colleagues, partners and friends!

10 years ago, we, along with a team of like-minded people, set the goal of creating operating rooms in Russia that would meet **the latest international standards**. We were inspired by the idea of a comfortable **ergonomic space** in an operating room, opening up new possibilities for surgeons.

Our mission was born: **to create innovative solutions that help to preserve, share and enrich the medical art of surgery.**

We work closely with physicians, responding to their needs, so our competence grows with each new project and **the functionality of the products expands.**

In this brochure you will find **real cases** of how a hospital can create a modern and high-tech OR.



170+
operating rooms

40
hospitals

20
cities

VIDEO REVIEWS



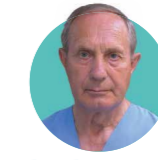
Eduard Galliamov
Head of the General Surgery Department
Sechenov University, Honored Doctor
of the Russian Federation (Moscow)

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



Sergey Popov
Chief Doctor
St. Luke Clinical Hospital
(St. Petersburg)

“ 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 had any regrets!



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

“ This is a World-class 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.



Completed projects

2 – number of the integrated operating rooms of MVS

80* – engineering systems management

📅 – corridor monitor for surgeries schedule

📺 – video management

📁 – video archive

🎧 – two-way video conferencing

2018-2019

4 City Clinical Cancer Hospital No.1
Moscow, Russia

80* 📺

1 Federal Center for Cardiovascular Surgery
Astrakhan, Russia

80* 📺

2019-2020

2 Federal Center for Traumatology, Orthopedics and Endoprosthesis
Barnaul, Russia

80* 📅

1 Novosibirsk City Clinical Perinatal Center
Novosibirsk, Russia

📺 📁 🎧

2020-2021

25 Central District Hospital with 1100 beds in Nizhnevartovsk
Nizhnevartovsk, Russia

80* 📺 📁 🎧

2020-2021

3 Moscow State University named after M. V. Lomonosov
Moscow, Russia

80*

2021-2022

3 Minsk Scientific and Practical Center of Surgery, Transplantology and Hematology
Minsk, the Republic of Belarus

📺 📁 🎧

2 National Medical Research Center for High Medical Technologies - Central Military Hospital named after A. A. Vishnevsky
Moscow, Russia

📺 📁 🎧

2022-2023

6 Saint-Petersburg State Healthcare Institution, Alexandrovskaya Hospital
St. Petersburg, Russia

80* 📅 📺 📁 🎧

2023-2024

9 Tula Regional Cancer Center
Tula, Russia

80* 📺 📁 🎧

1 Family Clinic «AlMed»
Grozny, Russia

📅 📺

1 Private clinic
Russia

80*

2 Federal Center for Cardiovascular Surgery
Khabarovsk, Russia

📺

6 Volgograd Regional Clinical Cancer Center
Volgograd, Russia

80* 📅 📺 📁 🎧

4 City Center for Endoscopic Urology and New Technologies
St. Petersburg, Russia

80* 📅 📺 📁 🎧

1 MEDSI Group of Companies, Clinical Hospital No.1
Moscow, Russia

📺 📁

2 Tula Regional Perinatal Center named after V. S. Gumilyovskaya
Tula, Russia

80* 📺 📁 🎧

1 Federal Center for High Medical Technologies
Kaliningrad, Russia

80*

1 Moscow Center for innovative Technologies in Healthcare, showroom
Moscow, Russia

80* 📅 📺 📁 🎧

3 Cancer Center after N. P. Napalkov
St. Petersburg, Russia

80* 📅 📺 📁 🎧

1 Federal Center for Cardiovascular Surgery
Krasnoyarsk, Russia

80*

1 Head office of Medical Visual Systems Ltd., showroom
St. Petersburg, Russia

80* 📅 📺 📁 🎧

1 Federal Center for Cardiovascular Surgery named after S. G. Sukhanov
Perm, Russia

80*

5 Minsk City Clinical Cancer Center
Minsk, the Republic of Belarus

📺 📁 🎧

1 MEDSI Group of Companies, Multifunctional Medical Center
Moscow, Russia

80*

2 Clinical Hospital of St. Luke
St. Petersburg, Russia

80* 📅 📺 📁 🎧

2 Emergency Care Inpatient Complex of City Clinical Hospital named after V. V. Veresaev
Moscow, Russia

80* 📺 📁 🎧

7 St. Petersburg Research Institute of Emergency Medical Aid named after I. I. Dzhanelidze
St. Petersburg, Russia

80* 📅 📺 📁 🎧

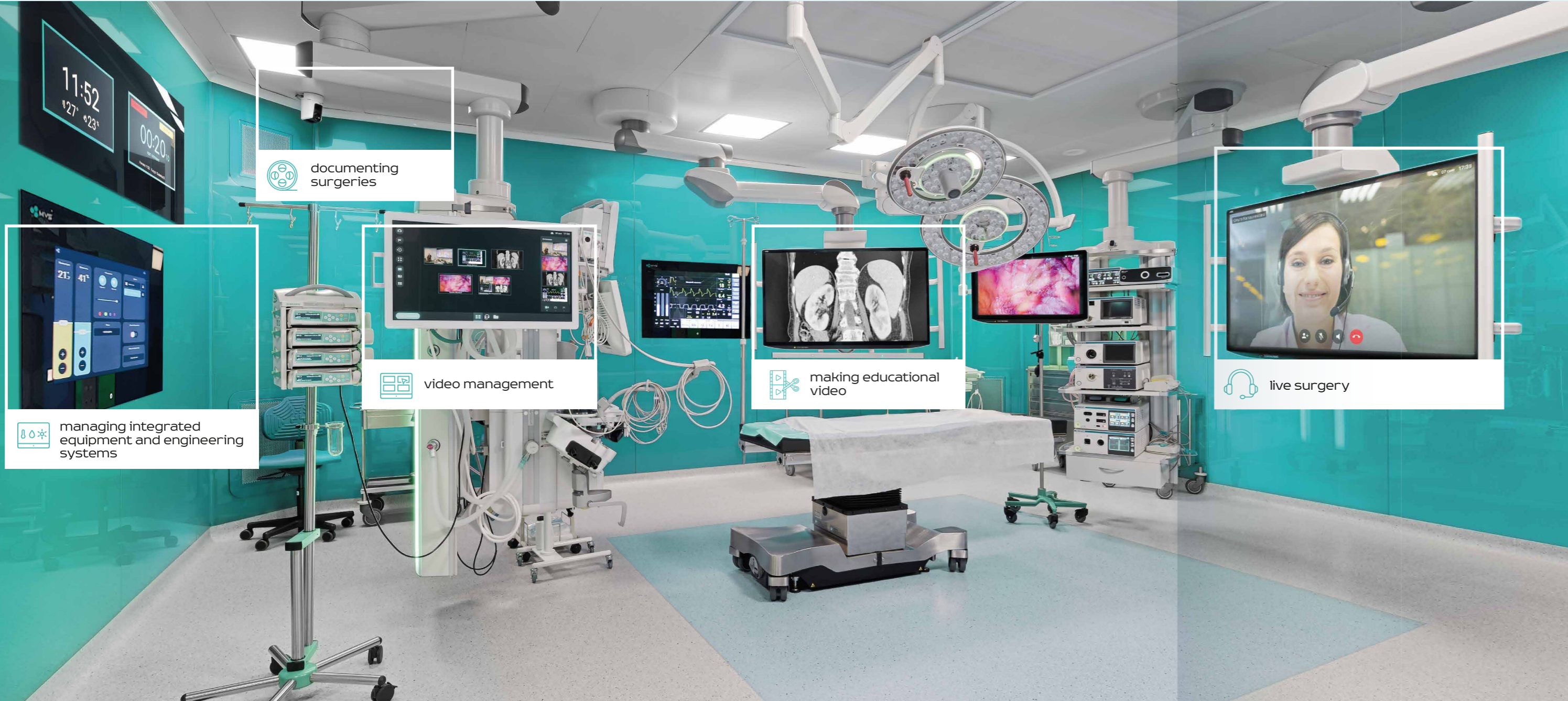
4 Republican Scientific and Practical Center Cardiology
Minsk, the Republic of Belarus


📺 📁 🎧


6 Yakutsk republic Cancer Center
Yakutsk, Russia


80* 📅 📺 📁 🎧


Integrated operating room capabilities




 documenting surgeries

 video management


 making educational video


 live surgery

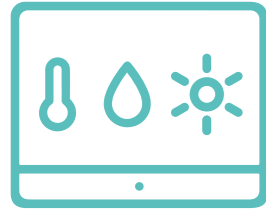


 managing integrated equipment and engineering systems



 surgeries central video archive

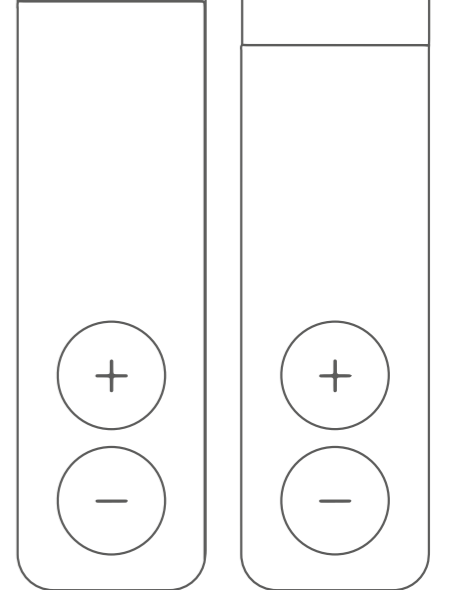
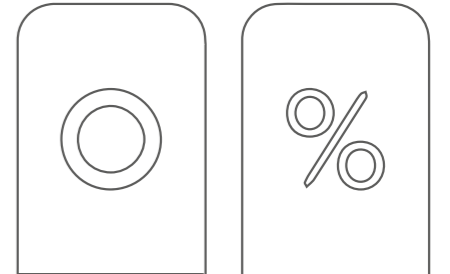
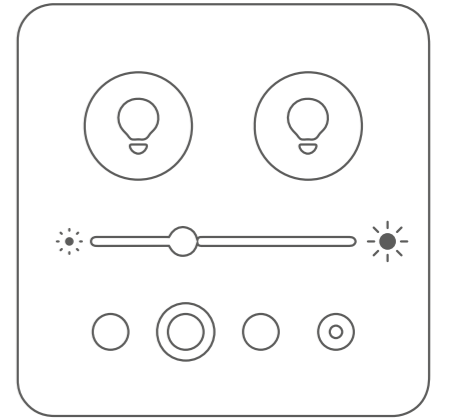
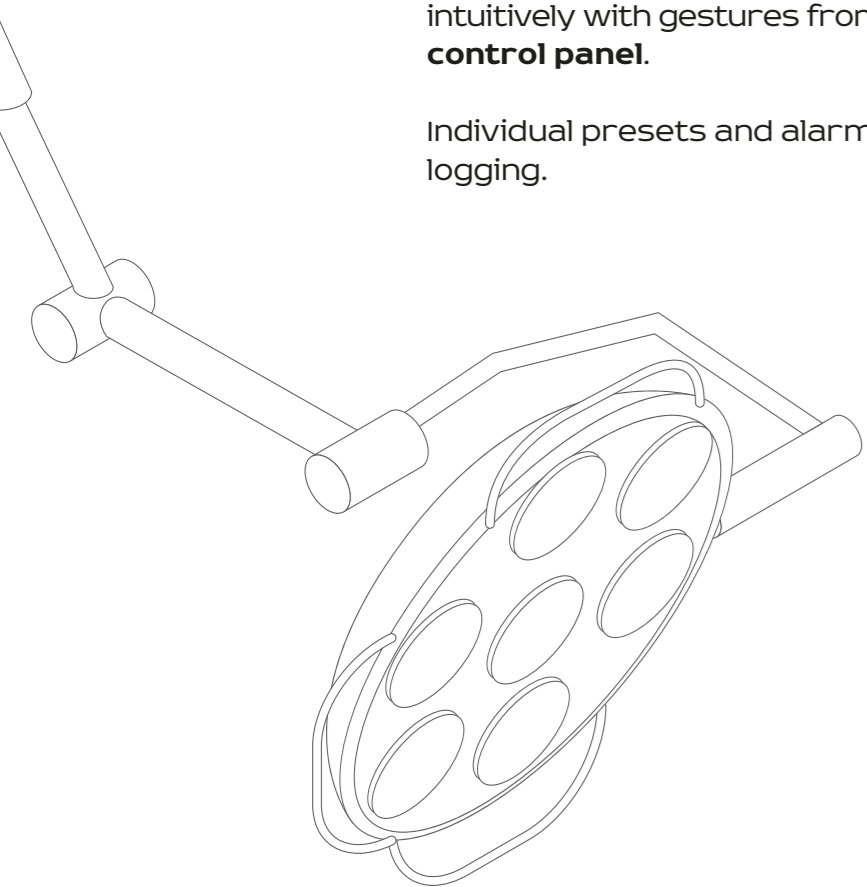
 operating rooms load monitoring



MANAGEMENT OF INTEGRATED EQUIPMENT AND ENGINEERING SYSTEMS

Management of integrated medical equipment and engineering systems intuitively with gestures from **a single control panel**.

Individual presets and alarm journal logging.





DOCUMENTING SURGERIES

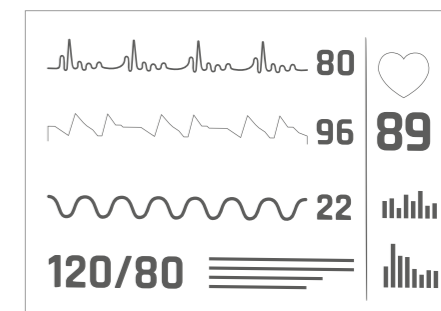
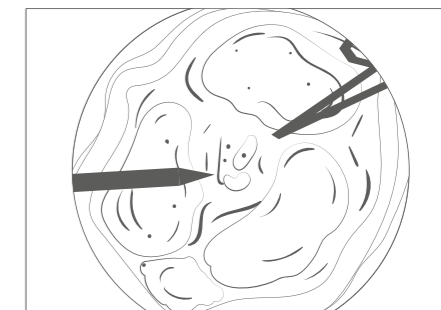
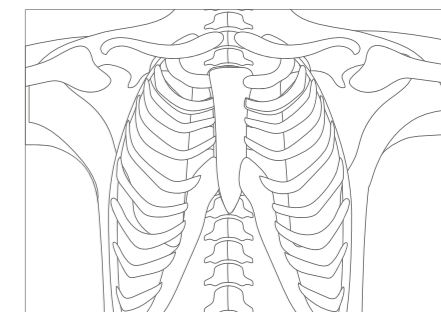
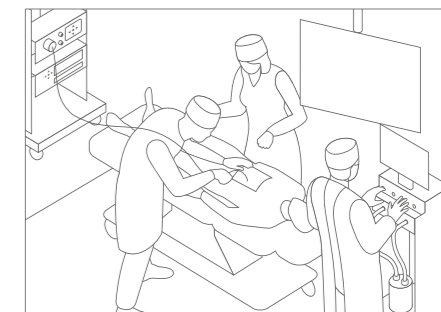
Continuous synchronised recording of video sources at the push of a button.

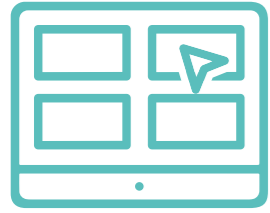
Recording of all data available during the surgery.

Creation of snapshots and short video clips to quickly export key moments of the surgery.

Possibility to create markers during video recording to highlight milestones and events.

Start surgery



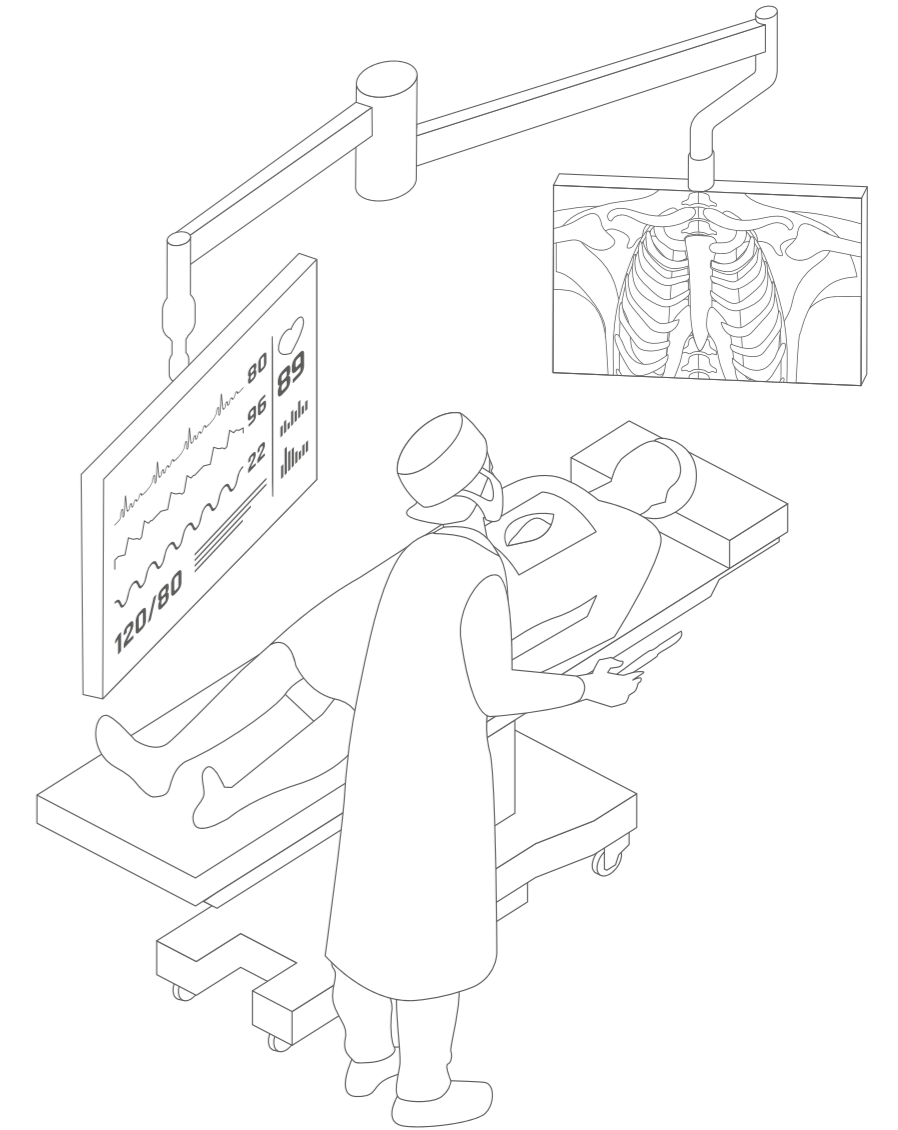
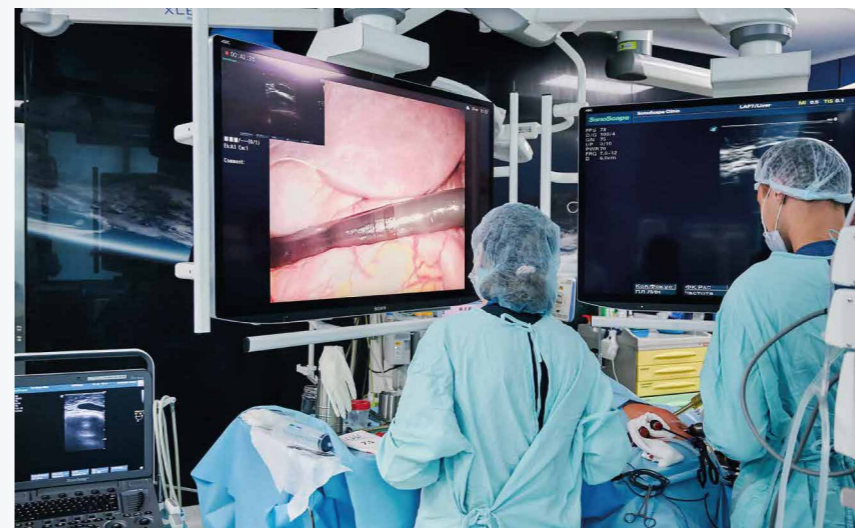
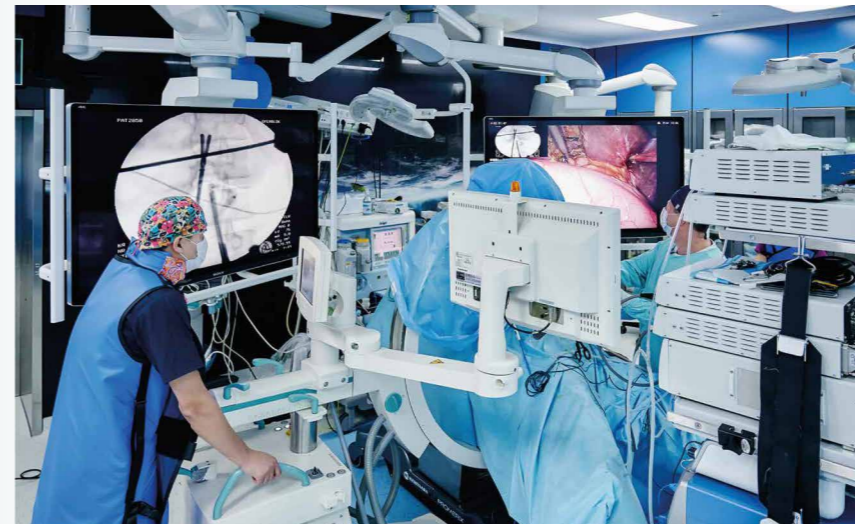
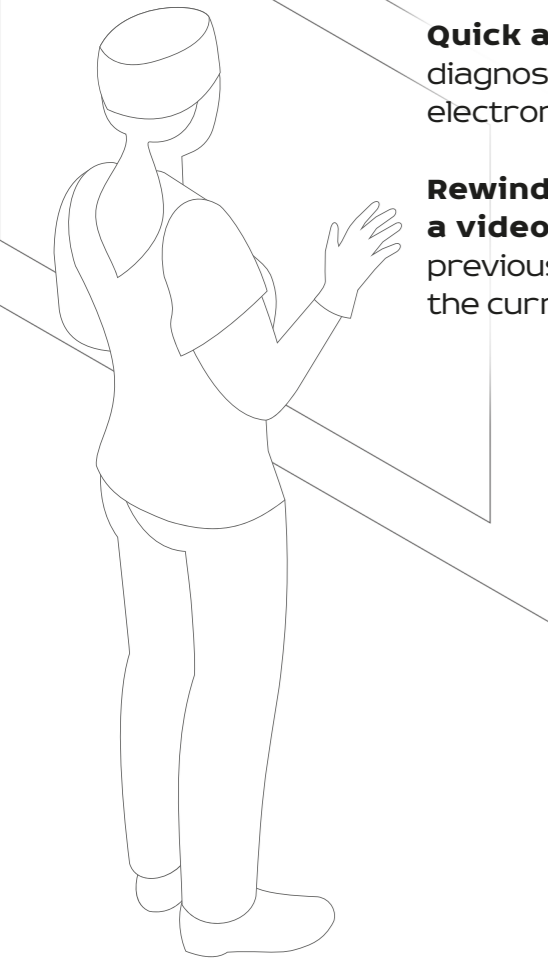


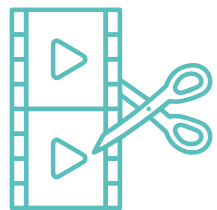
VIDEO MANAGEMENT

Customisation of visualisation inside the operating room: one-touch distribution of video sources to monitors.

Quick access to patient data: diagnostic tests, medical history, electronic medical records.

Rewinding surgery videos with a video source selection to view previous frames without interrupting the current recording.



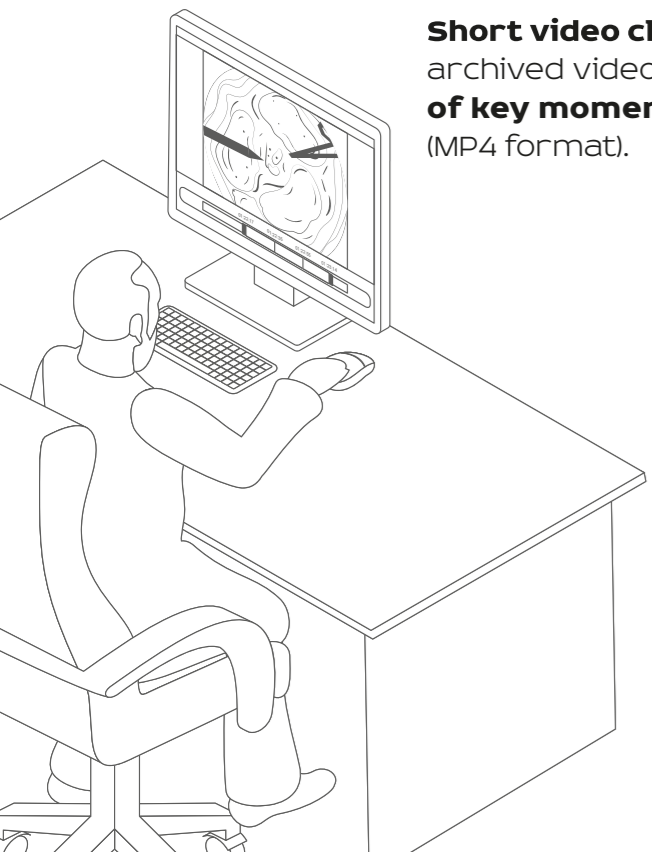


MAKING EDUCATIONAL VIDEOS

Doctors can create markers during documenting the surgery **to highlight milestones and events.**

One can also select a video source and take screenshots. These screenshots will be saved in the archive together with the video of the surgery.

Short video clips can be made from archived videos for **quick export of key moments of the surgery** (MP4 format).



OR department | Live surgery | Archive | Downloads

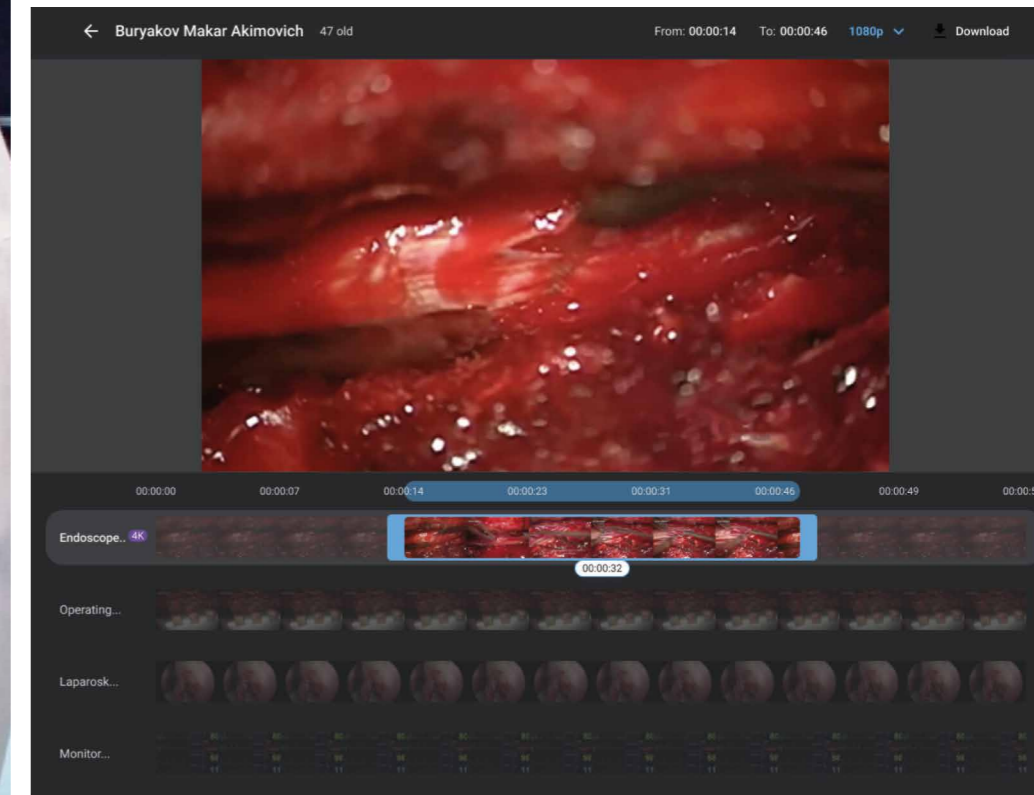
3 November 2021 — 13 November 2022

Search by doctors and patients

Date and time	Duration	Patient	Operating room	Brigade
13 nov 2022 19:10	1:23:29	Rabinovich Maisel Igor...	23C building 8	IB LC
13 nov 2022 14:30	2:10:07	No data	No data	PR
13 nov 2022 9:00	4:40:14	Shursha Feodosiy Oleg...	05 6.1.1.3-82	BM BC
12 nov 2022 20:00	1:00:23	Lvov Agafon Victorovic...	3B building 8	SF IB AB
12 nov 2022 18:35	0:35:09	Golubev Airat	5C building 2	BM BMDN
12 nov 2022 16:00	2:00:43	Buryakov Makar	4B building 8	IB LS
12 nov 2022 14:10	2:45:14	Tabakov Karin Viktorovi...	23C building 8	SF
11 nov 2022 15:40	3:10:04	Pavlenko Levan Kimon...	3B building 8	AB PR
11 nov 2022 10:00	1:20:00	Maisk Lazar	5C building 2	IB BM
10 nov 2022 20:30	0:23:31	Rabinovich Maisel Igor...	05 6.1.1.3-82	IB

Doctors: All doctors

Operating room: Not chosen, 23C building 8, 3B building 8, 4B building 8, 5C building 2

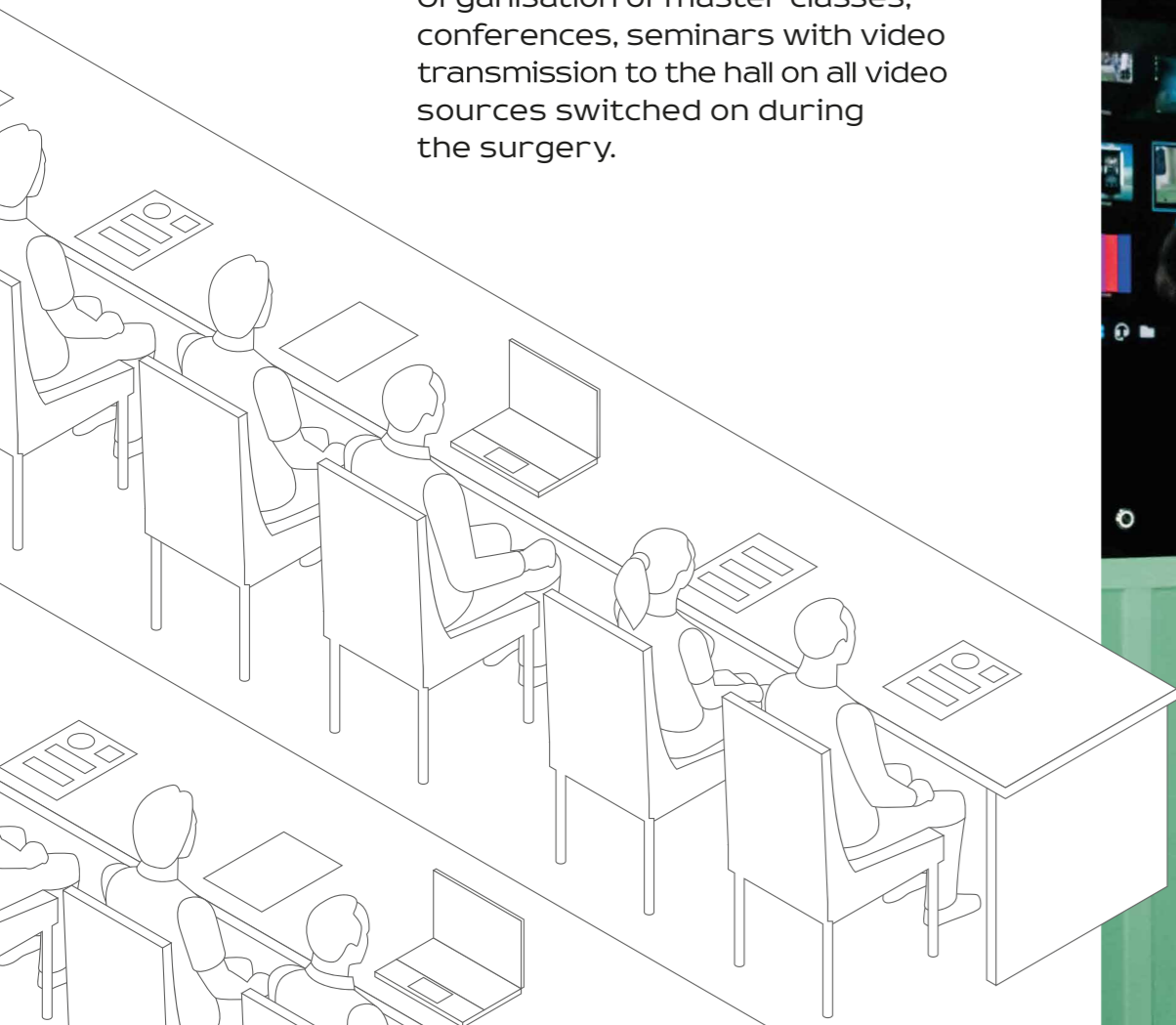




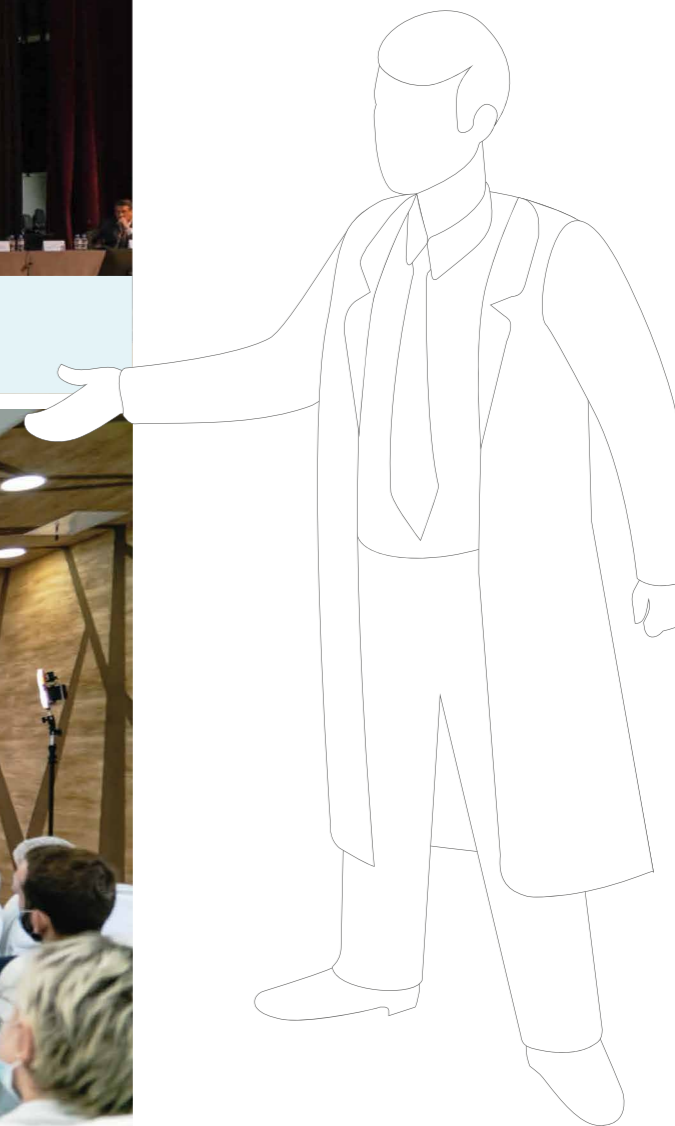
LIVE SURGERY

Video conferencing from the operating room to any location worldwide.

Organisation of master classes, conferences, seminars with video transmission to the hall on all video sources switched on during the surgery.



“Live Surgery” webcasts during medical conferences

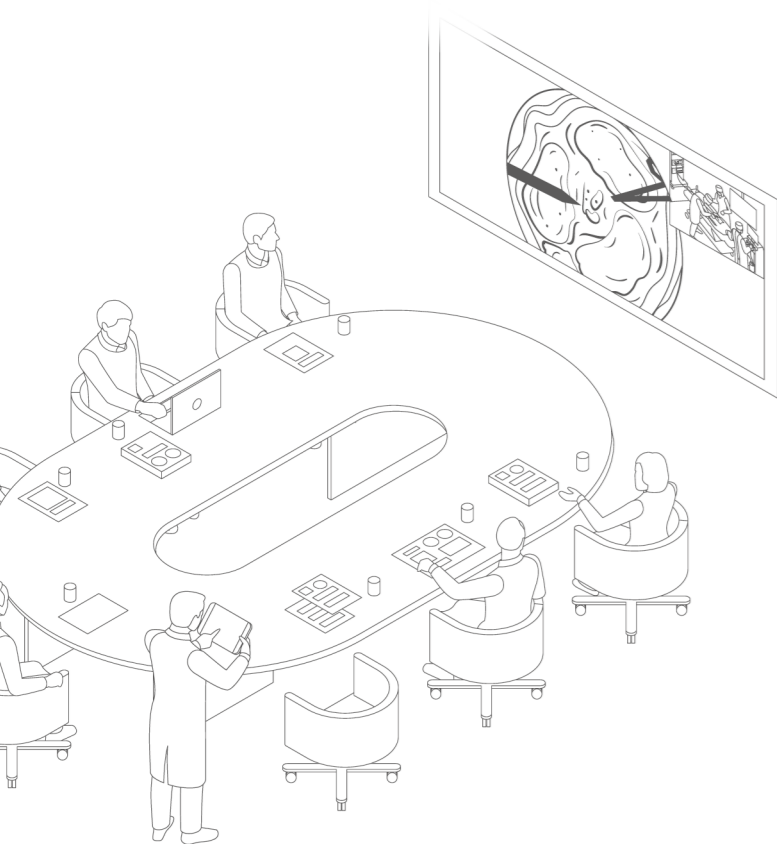




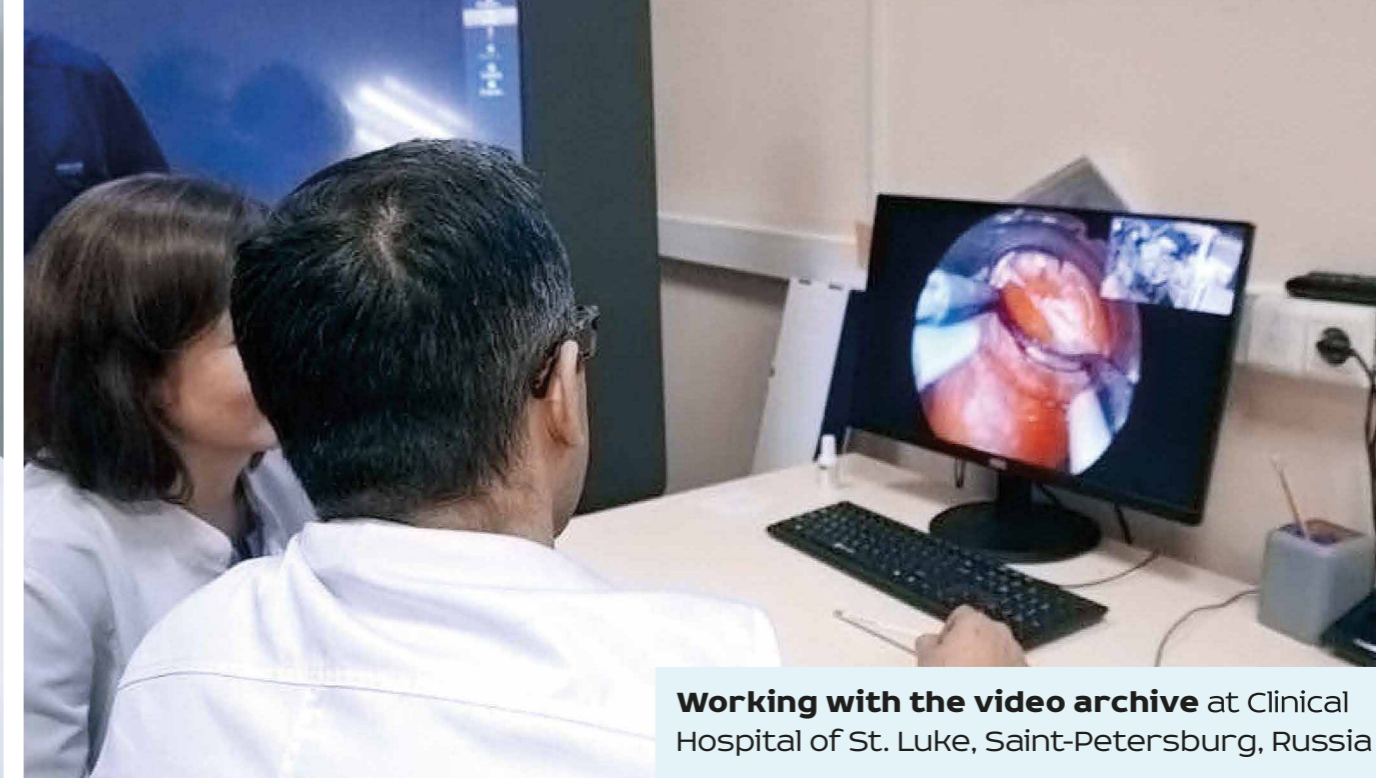
SURGERIES CENTRAL VIDEO ARCHIVE

The clinic's priceless experience is securely stored to sort out difficult cases, learn and work on mistakes.

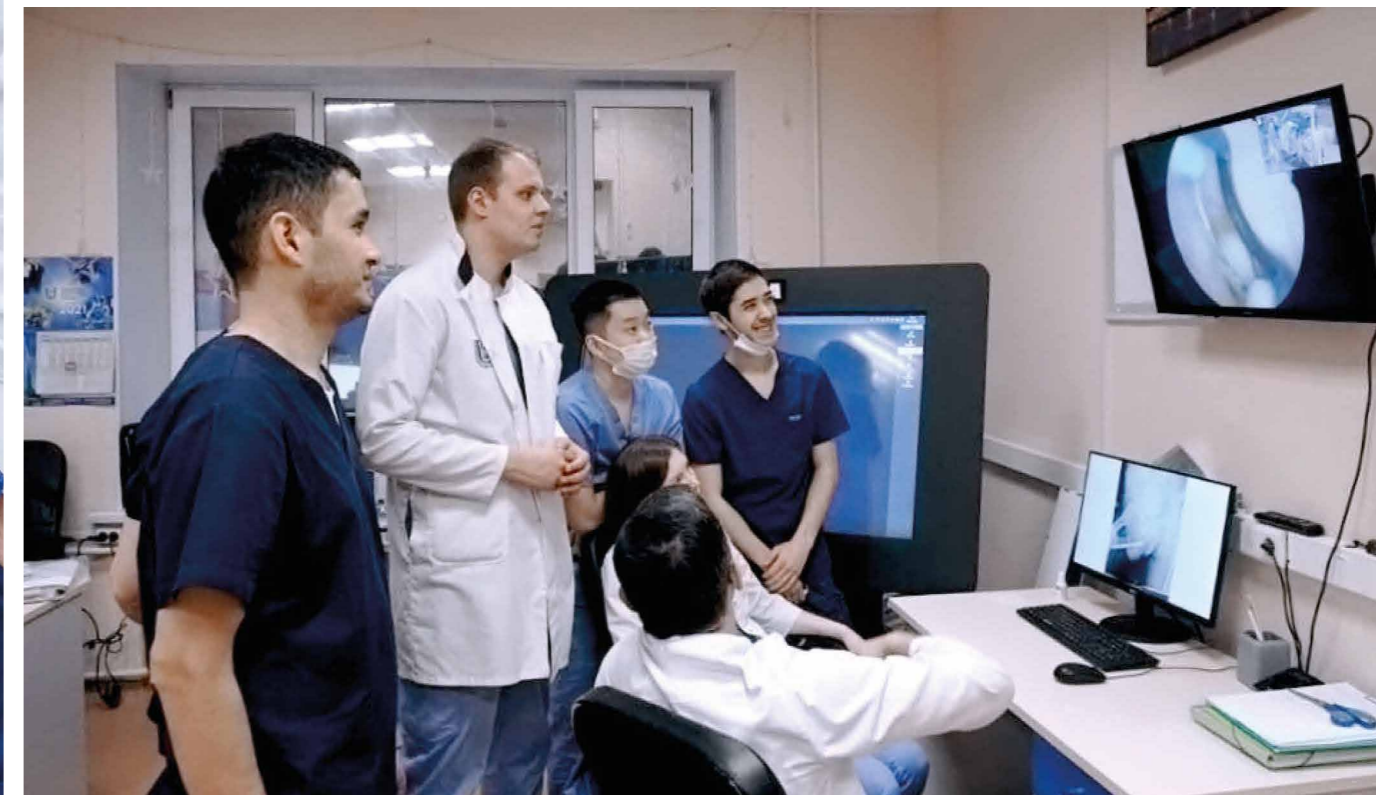
Secure access to videos from the browser. Synchronised playback of up to 4 video sources.



Date and time	Duration	Patient	Operating room	Surgeon
10 Nov 2022 19:16	1:23:39	Rubinsovich Maxim Ign.	23C building 8	Dr. 1 Dr. 9
13 Nov 2022 14:30	2:16:07	No data	30 building 8	Dr. 4 Dr. 123
13 Nov 2022 9:00	4:45:14	Shurshka Feodorov Oleg	30 building 8	Dr. 2 Dr. 222
12 Nov 2022 09:00	1:08:23	Lava Agafon Volkovsk	30 building 8	Dr. 1 Dr. 1
12 Nov 2022 18:35	0:35:09	Sokolov Anat	30 building 8	Dr. 4 Dr. 21
12 Nov 2022 16:00	2:00:41	Buryshin Maxim	30 building 8	Dr. 4 Dr. 204
12 Nov 2022 14:10	2:45:14	Takubko Roman Viktorov	23C building 8	Dr. 3 Dr. 100
11 Nov 2022 15:40	0:10:04	Pushenko Leonid Roman	30 building 8	Dr. 2 Dr. 25
11 Nov 2022 10:00	1:20:00	Makha Larin	30 building 2	Dr. 1 Dr. 25
10 Nov 2022 09:30	0:25:31	Rubinsovich Maxim Ign.	08 b 1 1 3 30	Dr. 1 Dr. 9



Working with the video archive at Clinical Hospital of St. Luke, Saint-Petersburg, Russia



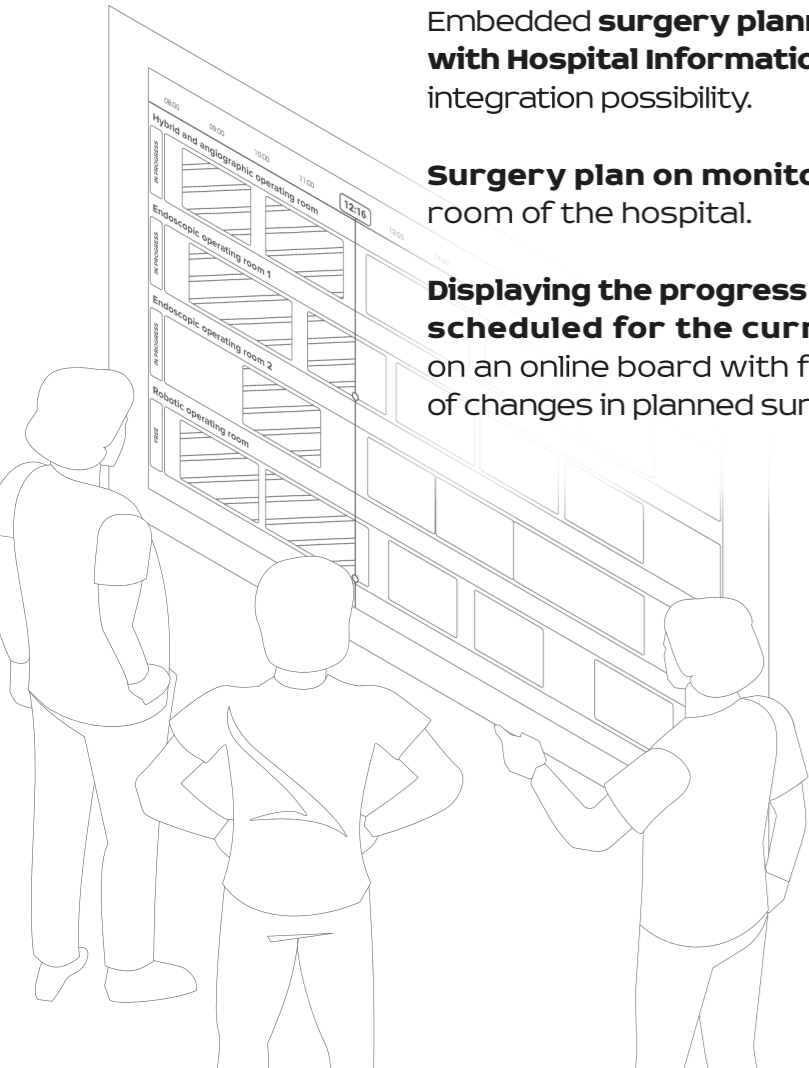


SCREEN PANEL WITH ONLINE SURGERIES SCHEDULE AND OPERATING ROOMS LOAD MONITORING

Embedded **surgery planning solution** with **Hospital Information System** integration possibility.

Surgery plan on monitors in any room of the hospital.

Displaying the progress of surgeries scheduled for the current day on an online board with forecasting of changes in planned surgeries.



**SMART
OPERATING ROOM**



TELEMEDICINE



mvssystem.com

