HOSPITAL
TECHNICAL
SOLUTIONS

COMPANY PROFILE

MANUFACTURER OF MEDICAL EQUIPMENT ▪ INTEGRATED SOLUTIONS

▪ OPERATING ROOMS ▪ ICU ▪ WARDS ▪ CRITICAL AREAS

...solutions for a better life

Hospital Technical Solutions

Romanian Manufacturer of Medical Equipments

ABOUT COMPANY

Hospital Technical Solutions was born from the desire to bring quality products to the healthcare system in Romania, thus contributing to the improvement of services and conditions in clinics and hospitals.

With the help of our team of skilled and dedicated people, with over 25 years of experience, we produce in Romania medical equipment at the highest standards and offer the best integrated solutions for I.C.U. , Operating Rooms, Wards and Critical Areas.

Our mission is to supply products and services, on a long-term and continuously meet our customers' requirements.

Together with our partners, we wish to bring "Solutions for a better Life."

OBJECTIVES

- DESIGN, DEVELOPMENT, MANUFACTURE, SALES, INSTALLATION AND SERVICE
- AFTER SALE ASSISTANCE AND PERMANENT SUPPORT
- CONTINUES INVESTMENTS IN TEAM, OUR PROCESSES AND PRODUCTS
- COMPLIANCE OF QUALITY OBJECTIVES

MANUFACTURE AND INTEGRATED SOLUTIONS

Manufacture of medical equipment is carried out by a team of professionals who always take responsibility for patient's safety and the efficiency of the treatments they follow.

Integrated solutions are services we offer with confidence, through close collaboration with world-renowned partners.

MANUFACTURE - MEDICAL EQUIPMENT

- MEDICAL GASES AND ELECTRICAL CIRCUITS DISTRIBUTION SYSTEMS
- MEDICAL GAS STATIONS
- MEDICAL GAS PIPELINE SYSTEMS
- ASEPTIC SCRUB SINKS
- MEDICAL FURNITURE AND ACCESSORIES

INTEGRATED SOLUTIONS

- MEDICAL GAS MANAGEMENT SYSTEMS
- HEATING, VENTILATION AND AIR-CONDITIONING (HVAC) SYSTEMS
- ARCHITECTURE AND FINISHES SOLUTIONS
- IT SOLUTIONS FOR OPERATING ROOM DIGITALIZATION
- REFERENCES

Hospital Technical Solutions

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MANUFACTURE OF MEDICAL EQUIPMENT

MEDICAL GASES AND ELECTRICAL CIRCUITS DISTRIBUTION SYSTEMS

- HORIZONTAL AND VERTICAL MEDICAL BED HEAD UNITS
- CEILING PENDANTS

MEDICAL GAS STATIONS

- CYLINDER FILLING STATIONS
- MEDICAL COMPRESSED AIR STATIONS
- MEDICAL VACUUM STATIONS

MEDICAL GAS PIPELINE SYSTEMS

ASEPTIC SCRUB SINKS

MEDICAL FURNITURE AND ACCESSORIES

MANUFACTURE

MEDICAL GASES AND ELECTRICAL CIRCUITS DISTRIBUTION SYSTEMS

HORIZONTAL AND VERTICAL MEDICAL BED HEAD UNITS

HOSPICARE UT series is designed and produced to provide the patients in recovery wards and critical areas (ICU, operating theaters, etc) with all the utilities needed for an adequate treatment.

Therefore, the systems are designed for the distribution of medical gases, electrical circuits and/ or lighting, depending on the needs of the department.

The size, requirements and configuration of the system are determined by the number of beds, the size and destination of the department.

Patient safety. Gas pipes are made of medical copper, in accordance with EN 13348 standard.

Ready to install. The equipments are tested in accordance with EN ISO 11197 standard and they are ready to connect to the existing feeding network.

The bed head units are modular systems composed of:

- Module for medical gases
- Module for electrical circuits
- Module for data and telecommunications
- Lighting systems
- Accessory

HOSPICARE UTO

- Systems designed to assure distribution of the medical gases and the power supply.
- Together with HOSPILUX lighting systems can provide direct/ indirect illumination and/ or watch lighting (individual or attached light module).

HOSPICARE UTV

- Optimal solution to distribute the medical gases and electrical circuits in small areas.
- The system with one, two or three-channels can be installed continuously, from the floor up to the room ceiling.

HOSPICARE UTC

- Ideal solution for space and costs constraints.
- Compact system, gas outlets and electrical outlets are mounted on the same profile, being isolated from each other according to the requirements of EN ISO 11197.

CEILING PENDANTS - HOSPICARE CPU

HOPSICARE CPU pendants are designed as modular solutions used for equipping operating theaters, intensive care units and critical areas. Each system is designed and built according to the medical needs of the department being served.

Suspended mounting console systems offer the most flexibility and ergonomics in the workspace.

The systems have the following functionality:

- Administration of compressed medical gases for therapeutic or diagnostic purposes: O_2, medical compressed air, N_2O, CO_2
- Administration of medical gas for actuation / operation of surgical instruments: compressed air or nitrogen
- Vacuum jet aspiration
- Evacuation of anesthetic gases
- Power supply of other medical devices

HOSPICARE CPU - design variants

- HOSPICARE CPUA - pendants systems with horizontal movement
- HOSPICARE CPUM - pendants systems with horizontal movement and vertical adjustment
- HOSPICARE CPUT - fixed pendants systems or pendants systems with vertical adjustment

ADVANTAGES

- Complete Solution to provide all utilities needed to run at appropriate parameters all medical equipment and devices used during surgery and treatment of patients.
- The chosen system configuration offers maximum flexibility and ergonomics in the workspace, according to medical requirements.
- Perfect hygiene ensured both by the shape of the construction, with smooth and rounded surfaces, and the material, which is resistant to ordinary detergents and disinfectants.
- Easy and rapid installation, the pendants can be quickly connected to the medical gas piping system and electrical wiring from the ceiling
- The joint section is maximized to allow the insertion of as many electrical wires and hoses as possible for medical gas, ensuring operational safety.

MANUFACTURE

MEDICAL GASES STATIONS

MEDICAL GASES SUPPLY STATION AND MANIFOLDS (O_2, Aer, N_2O, CO_2)

- Solutions for supplying medical gases from cylinders (O2, Aer, N2O, Co2)
- Used as the main or backup source on the gas supply stations
- Designed and built according to SR EN ISO 7396-1
- Allow connection of up to 20 cylinders on a single branch
- Ensures continuous distribution by automatic switching from one branch to another when the working pressure drops below the limit

MEDICAL COMPRESSED AIR STATIONS

- HOSPITAL MEDICAL AIR is manufactured in order to obtain medical compressed air with the highest standards.
- HOSPITAL MEDICAL AIR is designed and executed in compliance with the European Pharmacopoeia requirements, with the following standards: EN ISO 7396-1, HTM 02-01 and with the technological requirement ISCIR - PT C4/1.
- The medical compressed air plant HOSPITAL MEDICAL AIR constitutes class II b medical device, according to Medical Devices Directive 93/42 EEC.
- Available pressures: 8, 10, 13 bars, available flows between 60 and 8000 l/min. (other pressures and flows available on demand)

MEDICAL VACUUM STATIONS

- The medical vacuum stations are completely automatic and comply with the current European standards.
- Are designed and manufactured according to the following standards: EN ISO 7396-1 and HTM02-01.
- The stations are medical devices class II b according to the Medical Devices Directive 93/42 EEC.

MEDICAL GAS PIPELINE SYSTEMS

Medical Gas Pipeline Systems (MGPS) is a general expressions that refers to the pipes installation, from supply to terminal units.

The purpose of **HOSPITAL MGPS** is to ensure feeding with medical gases at adequate parameters, in safe conditions for patient and medical staff.

MEDICAL GAS PIPELINE SYSTEMS HOSPITAL MGPS constitutes class II a medical device, according to Medical Devices Directive 93/42 EEC.

FIELDS OF APPLICABILITY

- M.G.P.S. are used for distribution of compressed medical gases: oxygen, compressed air (4 bar, 7 bar), azote protoxide, carbon dioxide, medical gas mixture
- Ansuring the medical vacuum
- Anaesthetic Gas Scavenging AGSS form operating rooms

SPITALUL CLINIC DE URGENȚĂ PENTRU COPII "GRIGORE ALEXANDRESCU„ - BUCUREȘTI

MANUFACTURE

ASEPTIC SCRUB SINKS

The aseptic scrub sinks and the sterile water installations HOSPIASEPT are recommended for the surgical hand washing and for thermosensitive instruments rinsing after the cold chemical disinfection (endoscopes, fibroscopes, etc.).

The aseptic scrub sinks HOSPIASEPT ensure the supply of pure microbiological water obtained by microfiltration from the mains, continuously and permanently.

HOSPIASEPT scrub sinks with 1, 2 or 3 work stations are used in the operating rooms and in the high risk areas of the hospitals

The scrub sink tank is made of polyester resin reinforced with fiberglass (R) or stainless steel (I) AISI 304).

Constructive designs

- Photoelectric cell actuation for water supply and mechanical actuation for disinfectant soap supply
- Elbow mechanical actuation for soap supply and knee mechanical/ electrical actuation for water supply, recommended for low risk areas

HOSPIASEPT Butterfly - LAS-RF

- Constructive design: 1 or 2 work stations
- The washbasin tank is made of polyester resin reinforced with fiberglass is provided with a plinth edge to prevent infiltration of water between the washbasin and the wall.

HOSPIASEPT

- Constructive design: 1, 2 or 3 work stations
- Are used in the operating rooms and in the high-risk areas of the hospitals.
- The scrub sink with 1 work station LAS-1 is the minimum version recommended for use in ICU wards, neonatology, burns wards, emergency rooms and in the rooms for small surgical interventions

HOSPIASEPT ECONOMY - LAS-ECO

- Constructive design: 1, 2 or 3 work stations
- Compact design, designed to meet costs and space constraints.
- Constructive models with mechanical water actuation are the ideal solutions for spaces where there is no power supply.
- Optional: can be used as a simple sink, without prefiltration and filtration system.

ASEPTIC NEONATAL EQUIPMENT

Neonatal infection is a priority issue due to increased morbidity and mortality.

In maternities and in areas at high risk of nosocomial infections (intensive care, surgical unit, neonatal units), the requirements for the best hygiene for newborns are a priority.

Thanks to a modern production process and the diversity of designs, colors and possible combinations, our products can be tailored both to the available space and the personal requirements in an optimal way.

HOSPIASEPT Neonat hygiene unit is a powerful solution that has preventative action helping to eliminate the risks of nosocomial infections.

Depending on your needs, HOSPIASEPT Neonat unit is composed of 1, 2 or 3 modules:

Configuration:

- Module I – for medical personnel with a 450 x 450 x 150 mm washstand and a mask equipped with baskets for waste collection
- Module II – for newborn washing equipped with a small bathtub which is supplied with sterile water - dimensions 700 x 450 x 150 mm and mask for sterile water production plant
- Module III – for newborn care, with three sliding metal baskets for storage.

Aseptic neonatal equipment - HOSPIASEPT Neonat

- Washstand made of a single piece o composite marble with a min. thickness of 20 mm, with antibacterial treated surface resistant to detergents, disinfectants for medical use and colored substances
- the sinks of the washstand are made of same material – composite marble - which are integrated into the worktop with rounded edges for a perfect hygiene
- the temperature of the supplied water is up to 38 ° C to prevent the thermal burns

MANUFACTURE

HOSPITAL FURNITURE AND MEDICAL ACCESSORIES

MULTIFUNCTIONAL TROLLEYS - HOSPICART

The HOSPICART multifunctional trolleys have been created with the desire to offer practical and quality solutions with applicability in hospitals, clinics, medical offices, etc.

Our product range includes 5 types o carts having a modern design and multiple functionalities that can be tailored according to the department`s needs.

Our HOSPIACART trolleys provide perfect hygiene, having smooth and rounded surfaces which are also detergent and disinfectant-resistant.

The structure of the trolley can be made, depending on the model, from rectangular metal pipe painted in electrostatic field or extruded aluminium, ensuring low weight and very good manoeuvrability.

The metal drawers are dyed in electrostatic field.

Configuration:

- Trolley for medication and treatment
- Trolley for medical equipment
- Multifunction trolley
- Storage trolley

Hospicart Med

Hospicart Multimed

Hospicart Med Plus

Hospicart Endo

STAINLESS STEEL FURNITURE

Wide range of stainless steel furniture pieces

- Standard work table
- Working table with protective edge
- Working table with protective tub and edge
- Tools scrubber
- Removable shelves for storage
- Multifunctional Mobile Trolleys
- Packaging table for sterilized materials
- Stainless steel accessories

MEDICAL ACCESSORIES

STORAGE MODULE

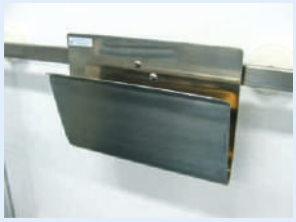
IV STAND

METAL SHELF

IV STAND

SFLUID CONTAINERS SUPPORT

PACIENT FILE SUPPORT



Hospital Technical Solutions

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INTEGRATED SOLUTIONS

MEDICAL GASES MANAGEMENT SYSTEMS

AIR-CONDITIONING AND VENTILATION INSTALLATIONS

ARCHITECTURE AND FINISHES

- MODULAR WALLS SYSTEM FOR OPERATION ROOM
- WINDOW SYSTEMS WITH INTEGRATED BLINDS
- MODULAR WALLS SYSTEM FOR OPERATION ROOM AND CLEAN ROOMS
- DOOR SYSTEMS FOR HOSPITALS
- SPECIAL LIGHTING SYSTEMS FOR HOSPITALS

IT SOLUTIONS FOR OPERATING ROOM DIGITALIZATION

INTEGRATED SOLUTIONS

MEDICAL GASES MANAGEMENT SYSTEMS

MEDICAL GASES MANAGEMENT SYSTEMS

For the safety of hospitals and patients, the medical gas management system allows centralized monitoring of medical gases.

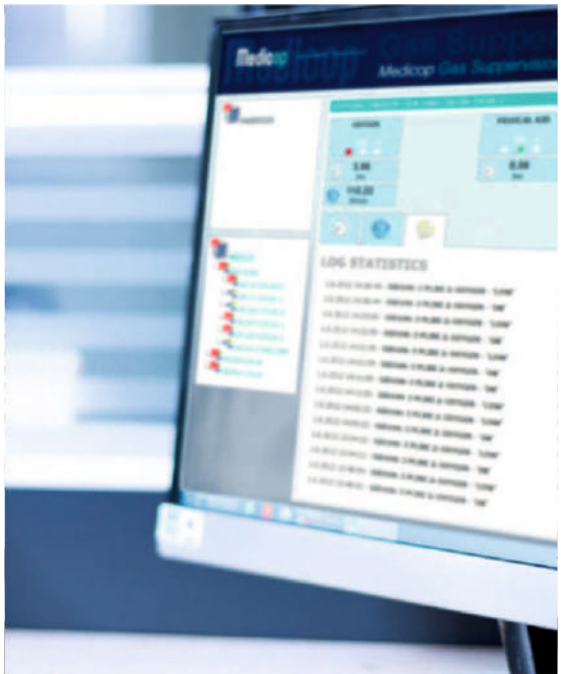
The control and alarm panels are installed on each floor and allow control of the medical condition of the building.

They comply with the requirements of EN ISO 7396-1, HTM 02-01 on pressure monitoring, flow capability, high or low pressure alarm, etc.

Advantages of the systems

- Consumption measurement
- Temperature measurement
- Archiving errors for pressure, temperature, malfunctions, etc.
- Integration into the centralized monitoring system

MONITORING SOFTWARE OF MEDICAL GASES DISTRIBUTION SYSTEMS



Surveillance of gas distribution systems can be done at any time, anywhere, via computers or mobiles connected to the Internet.

The main functions:

- Control from anywhere by connecting to monitoring systems
- CAN-BAS technology - ensures optimal operation, maintaining a secure connection to Internet-enabled jobs and is compatible with other network systems (SAP, Navision, etc.)
- Alarms, warnings, and messages on the supervisor's phone regarding any irregularity
- Calculation of consumption related costs

MANAGEMENT SYSTEM FOR BUILDINGS

The Building Management System The controls and supervises mechanical and electrical installations in hospitals and operating theaters such as:

- Ventilation
- Lighting systems
- Power supply systems
- Fire Systems
- Safety Systems
- Medical Gases

Regulation and supervision

- Environmental control (airflow, temperature, humidity, pressure drop)
- The status of medical gases
- Running time
- Light control
- Control of building elements (doors and windows)
- Settings
- Interphone
- Emergency exit

Features of the system

- Control of comfort conditions
- Possibility of individual control
- Increasing staff productivity
- Effective monitoring of energy consumption
- Maintenance costs
- Central or remote control
- Simple, secure and fast detection of problems

Display

Command interface

Warning colors

INTEGRATED SOLUTIONS

HEATING, VENTILATION AND AIR CONDITIONING (HVAC) SYSTEMS FOR MEDICAL AREAS

CENTRAL AIR TREATMENT

Optimal air treatment systems for operating rooms, anesthesia and intensive care units, central sterilization stations, recovery and treatment salons.

The range of air treatment systems has been developed to meet the requirements of the risk areas by providing the best solutions in terms of:

- Temperature
- Hygrometry
- Air Purity (Filtration)

- Airflow, depending on the model, is between 1500 and 12,000 m^3 / h with a pressure up to 800 Pa
- With different combinations of the captured air and supplied air, the system is adaptable to all building constraints of the building.

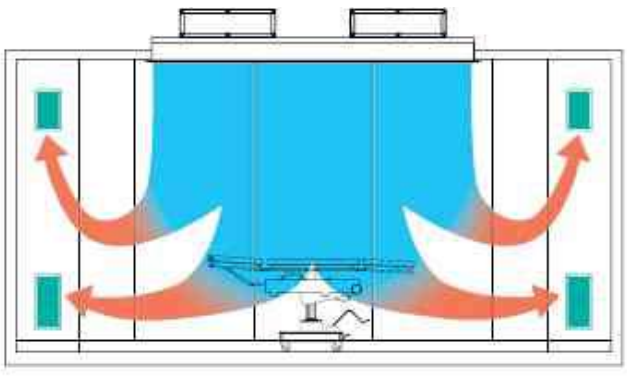
- Safety and hygiene - stops contamination due to double anti-leakage housing. It is made of 316L stainless steel, and the specific shape prevents water from accumulating in the plant.
- Low noise level due to sound attenuation panels (reduce the noise level by -31dBA and -28dBA).
- Easy to operate with the central system monitoring solution (GTC). Easy maintanance due to individual panels.

EXHAUST SYSTEMS FOR OPERATIONS

SURGICAL EXHAUST GRILL OPR

Exhaust grilles are made from surgical stainless steel, and are destinated for wall mounting in the operating room. Possible options with class G4 filter or regulating damper. The grille opens with a single click and allows easy cleaning.

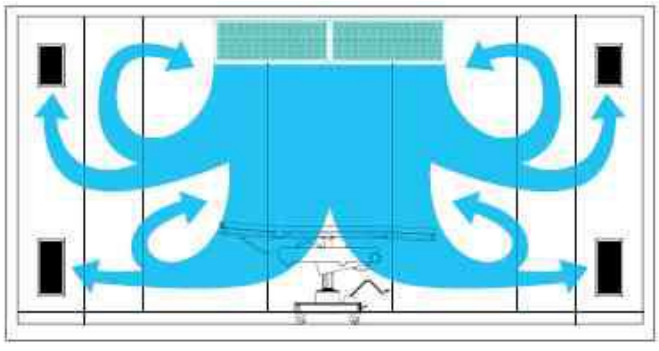
Operating principle



INCLINE OUTFLOW BOX KIK

Inclined outflowbox for supplying filtered air in operating rooms and intensive care units with a limited ceiling height that does not allow the installation of laminar flow panels. Surface and exhaust are made completelly form stainless steel.

Operating principle



EXHAUST PANEL WITH LAMINAL FLOW

Exhaust perforated ceiling intended for supply of filtered air into operating rooms. Complete construction and outflow surface
made out of stainless steel (polished).

Absolute filtration by high quality HEPA filters class H14 (H13) according to EN 1822 standard.

Laminar air flow is gradually directed toward exhaust openings and optimal aseptic conditions are achieved.

Recommended air flow velocity above operation
table 0,15-0,30 m/s. DOP connection.

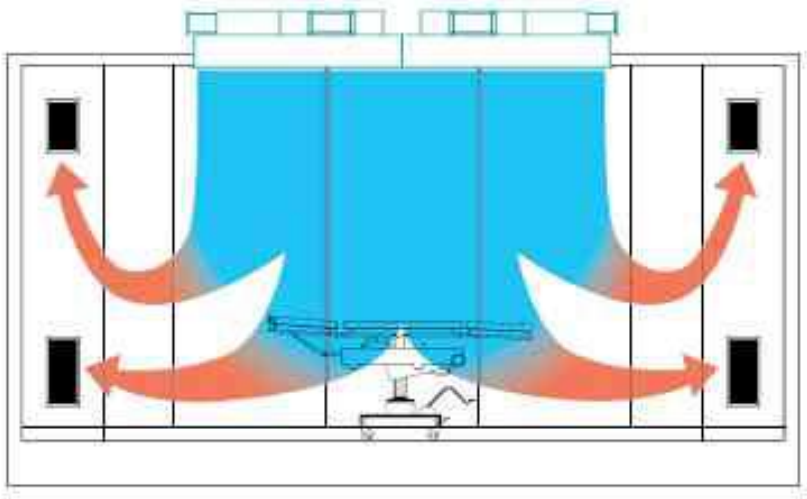
ELIPSO DESIGN

- Unique solution, industrial design right
- Energy efficient, no angles
- Complete laminar flow, without whirling
- Low pressure drop
- 100% clean conditions above operation table

OPTIONAL INSTALLATION

- Non-standard opening for surgical lamp or without opening
- Outflow surface made out of polyethylene fiber with lamps installed
- Installation of UV lamps in filter modules, air sterilization
- Installation of air regulation dampers into ventilation ducts
- Differential pressure gauge for HEPA filter control (0-500 Pa)
- Suspension with threaded rods
- Stainless steel satin surface

Operating principle



INTEGRATED SOLUTIONS

ARCHITECTURE AND FINISHES

MODULAR SYSTEMS OF WALLS FOR OPERATING ROOMS

Operating rooms panels are made out of two metal sheets, folded all around the edges of metal frame. Panel is filled with high density rockwool 100 kg/m³. The frame is channel shaped and it covers panels interior totally.

Channels are for distribution of electrical wiring. The whole entity represents solid monoblock element. Panels are made according to the EU GMP and ISO 14644 requirements. Panel thickness is 42, 62 or 82 mm.

Panels can be made of:

- Stainless steel
- Antibacterial coating
- Glass
- With radiological protection

Antibacterial panel system

Antibacterial coating is 110 microns thick. Antibacterial properties are achieved in the presence of environmental conditions enabling growth of bacteria. As an integral component of the surface, ions of silver continue to be effective without any loss during the entire lifecycle

Properties

- Strength
- Smooth, bump free surface
- Easy cleaning and maintenance
- Non-porous structure
- Watertight and water resistant
- Thermal and sound insulation
- Corrosion protection
- Long lasting
- Solid monoblock element
- Easy installation

INTEGRATED WALL GLAZED BLINDS

An essential requirement in the organization and operation of the anesthesia and intensive care units and departments in sanitary units is to permanently supervise critical patients under Order 1500 of November 24, 2009.

To meet the needs of critical departments, Hospital Technical Solutions designed and built the GLASSWALL system.
Partition walls (or separation partitions) should not be an obstacle to patient care by medical personnel, but in critical situations isolation may be necessary.

Features:

- The joints with the floor, ceiling, doors and adjacent walls are made in accordance with hygiene requirements.
- The 32 mm thick glass package can be installed on a standard PVC or aluminum profile.
- An aluminum, PVC or steel structure can be delivered on request.

Venetian blinds

- Integrated between two secure and perfectly sealed glass sheets.
- Wide range of sizes and options, providing optimal solutions for any type of window or glazed surface.
- Total protection against dirt, dust and weather conditions so they do not require maintenance.
- Shutters are operated manually or electrically by means of a two-speed motor.
- Local or remote control with remote control or control button.

INTEGRATED SOLUTIONS

ARCHITECTURE AND FINISHES

CEILING PANEL SYSTEMS FOR OPERATING ROOMS AND CLEAN ROOMS

The ceiling system is designed in the same way as a wall panel system, made of two metal sheets, folded around the edges of the metal frame.

The panel is filled with high density mineral wool of 100 kg / m^3, therefore the entire operating room is a solid monoblock type. The thickness of the panel is 42, 62 or 82 mm.

Ceilings are suspended with invisible gripping elements on a concrete or steel structure. It also features customized openings for the installation of speakers, filters, lighting systems, ventilation systems, etc.

Ceiling features:

- **Circulation Ceiling**
  For installation maintenance. Maximum load of 200 kg / m^2.
- **Antibacterial panel system**
  Antibacterial coating with silver ions
- **Grid panel system**
  Made of aluminum profiles and mineral wool filling.

- **Ventilation systems**

  For optimum air flow, clean, laminar and vertical in the operating rooms.

  HEPA filters for maximum operating safety and low germ concentrations.

- **Lighting objects**

  Installed at the same level as the ceiling, made of glass with surrounding screen, without additional coating.

DOOR SYSTEMS FOR HOSPITALS

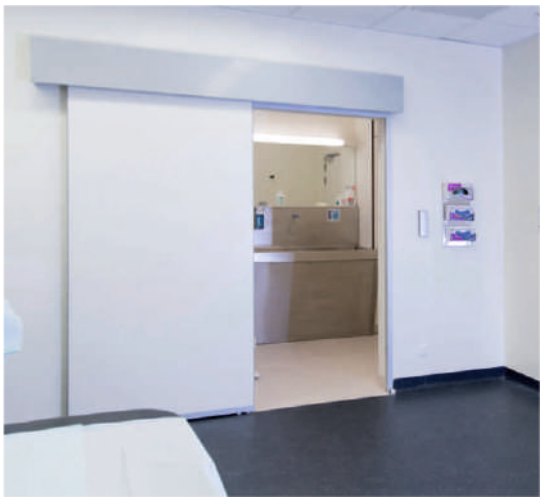
Door systems for hospitals are made of durable materials such as stainless steel, aluminum or HPL, and have different characteristics depending on the sector served.

SWING DOOR / SLIDING DOORS

Roller / sliding doors for operating rooms are designed in accordance with EU GMP and ISO 14644 requirements.

- The door frame is made of aluminum profile and the door is made of metal sheets filled with 100 kg / m³ high density mineral wool or aluminum foil core.
- Handles and hinges are made of stainless steel.
- The bottom seal completely prevents air leakages, which are designed to maintain overpressure in the room.
- Doors can be equipped with windows and X-ray shields.
- Actuationg of the doors is realized from the wall panel, the elbow or hand knobs.

- Single / double sliding doors with manual or automatic drive, made of stainless steel or HPL
- Single / double swing doors with manual or automatic drive, made of stainless steel or HPL
- Special fire-resistant doors (20, 30, 60 minutes)
- Doors with RX protection
- Various solutions (sound insulation, moisture resistance, bullets, burglary, shock porosity etc.).



INTEGRATED SOLUTIONS

ARCHITECTURE AND FINISHES

SPECIAL LIGHTING SYSTEMS FOR HOSPITALS

Lighting systems have been specially designed to provide patient comfort and medical staff with adequate illumination at the patient's head. They can be installed as independent systems or in combination with medical gas distribution systems.

HOSPILUX Lighting Systems with fluorescent lamp or LED

Hospilux is the ideal solution when a source of illumination is desired at the patient's head.

- The lighting system provides:
  - direct lighting
  - indirect lighting
  - night lighting
- Used as an independent light source or in combination with the HOSPICARE UT models, providing optimal solutions
- The light source: fluorescent lamp or LED lamp, light type: cold 4000k
- Optionally, the system can be equipped with a data socket or nurse call system

The LED technology of the illumination lamps provides::

- Low energy consumption (decreases by approximately 50%)
- An average life span of over 10 years (between 8,000 and 50,000 hours, depending on the variant chosen)
- Patient safety: no technical interventions are required to replace defective lamps, so the risk of infection in critical areas is minimal.
- No stroboscopic flicker effect eliminating "visual stress" for the patient and medical staff
- Protecting the environment - Worn lamps are fully recycled.

LIGHTING SYSTEMS FOR CLEAN ROOMS

Recommended light for clean rooms - operating rooms.

Lighting systems are covered with antibacterial coating that eliminates and protects against microorganisms.

Depending on the sector served, the system can be equipped with an anti-reflective coating that minimizes the reflection of laser beam light.

Applications according to ISO standards:

Clean rooms in accordance with PN-EN ISO 14644-1 of the cleaning class ISO 9-3 or with the nomenclature of the Ministry of Health and Environmental Protection code for Class A rooms; B; C; D;

Models:

Without aluminum frame / with aluminum frame / adjustable reflectors / STAINLESS STEEL with CLIP-IN system

Light sources:

- Fluorescent T5
- Compact Fluorescent TC-L
- LED

INTEGRATED SOLUTIONS

IT SYSTEMS FOR OPERATING ROOMS' DIGITALIZATION

INTEGRATION OF IT SYSTEMS IN THE OPERATING ROOM

The Operating Room is a complex environment in which, in addition to the sterility conditions to be met, medical equipment and devices play a very important role.

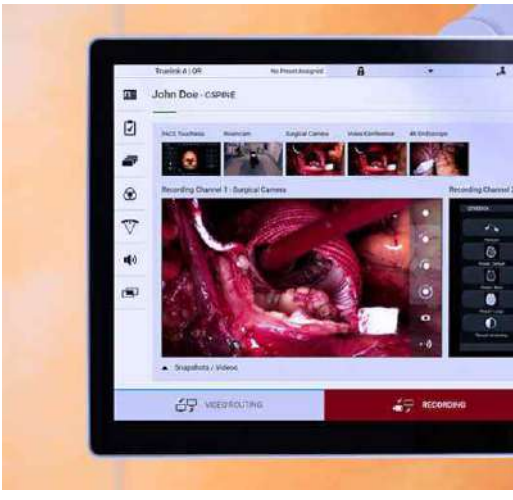
With the development of new technologies, operating rooms are increasingly crowded with stand-alone devices, systems and monitors, each with its own hardware and interfaces, which makes it harder to work if we think each one needs time to connect.

Integration of IT systems is the optimal solution for modern operating theaters, making it possible to centralize all the information needed by surgeons on a single platform.

Thus, direct integration into hospital information systems facilitates the management of medical information, improving the quality of care provided.

VIDEO-MANAGEMENT SYSTEM - VIDEOMED

Video redirection lets you manage images from different sources in the operating room, such as endoscopic camera, surgical camera, operating room room, HIS / PACS systems.



Bidirectional video conferencing (audio and video) live transmission from the operating room to other external locations.

- External participants from other rooms or areas of the building are connected to the device via LAN;
- External participants from remote locations (other buildings, auditorium, etc.) are connected to the system via a closed WLAN or the Internet.

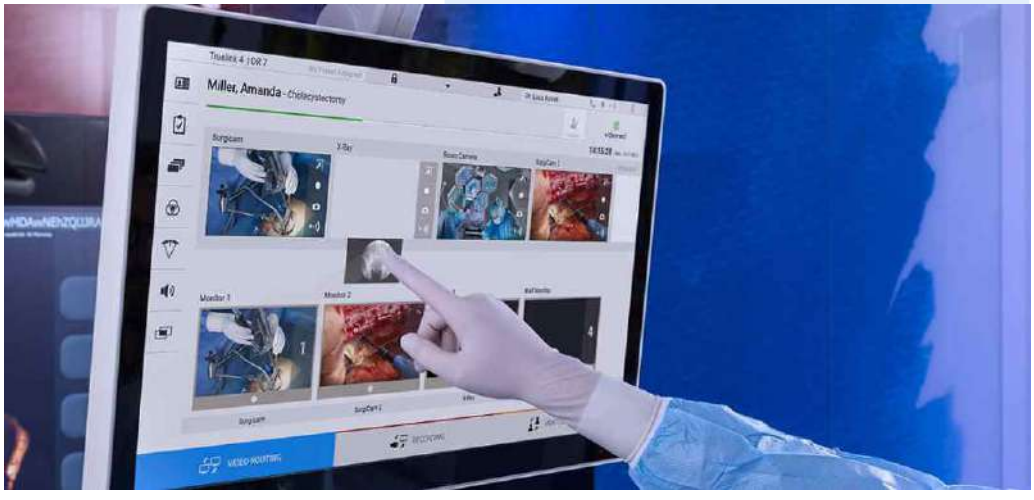
The purpose of the video-management system is to provide personalized and effective solutions to medical and surgical teams aimed at facilitating the activities of physicians and medical staff for the benefit of patients. The video-management system organizes and controls the audio-video sources in the operating theater.

Key features:

- Video routing: images distribution and video sharing
- HD Video Conference: Audio-video transmission at HD resolution, from the Operating Room to the receivers inside and outside the hospital
- Video recording: video recording up to two channels at a time.

Features:

- Viceo streaming
- Controlling of the other devices from the operating room:
  - Operating Table
  - Surgical lamps
  - Microscope
  - Intraoperative ultrasound
  - Endoscope
  - Laparoscopic tower
  - C-Arm
  - Video surveillance camera
  - Medical devices

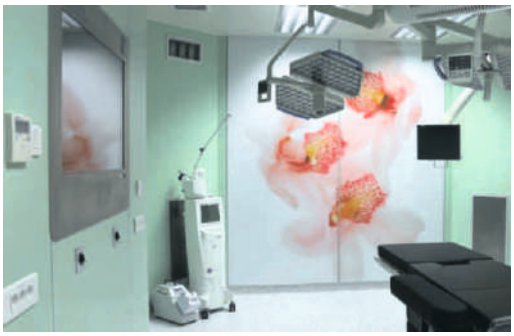


CLINICAL CHILDREN'S HOSPITAL DR. VICTOR GOMOIU - BUCHAREST

"REGINA MARIA" HOSPITAL, CLUJ

"VIVA ANIMA" - CENTER OF CARDIOVASCULAR INTERVENTION, ORADEA

"SF. MARIA" CLINICAL HOSPITAL, BUCHAREST



CHILDREN`S HOSPITAL "GRIGORE ALEXANDRESCU", BUCHAREST

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HOSPITAL
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