STATE-OF-THE-ART TECHNOLOGY FOR THE OPERATING THEATER
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ALVO MEDICAL provides innovative solutions and products for operating theatres and related areas. We develop ideas into finished, market-ready commodities. We manufacture and install on turnkey basis.

The production facility is located in Poland, where the whole manufacturing process is being conducted. Several company sales and distribution offices operate in select areas around the world.

Our experience of almost 20 years makes us a reliable partner. We have already earned renown for excellent technology, superior material and highest hygiene standards.

As of 2011, our team has put enormous effort into the development of an intelligent operating theatre, the ALVO INTEGRA. The system will navigate the devices in the operating room for better functionality and efficiency of the medical staff.

I hope you enjoy reading this.

Tadeusz Olszewski, PhD
Chairman of the Board and CEO
Operating theatre is the part of the hospital in which surgery is carried out. All hospitals strive to minimize the occurrence of post-operation infections and to maximize the number of surgeries carried out, while limiting the construction and exploitation costs.

The right technology in the operating theatre can limit the costs and time needed to prepare the operating room for surgery.

Careful selection of materials and technology is vital.

For our panel walls and ceilings, we use stainless steel of the highest quality, which meets international standards and the highest requirements of the health care system.

Silver ion technology used in ALVO MEDICAL products ensures sterility, easy maintenance and effective utilization.

Antibacterial gasket is used to join the panels to ensure hygiene.

Radiation proofing (X-Ray Protection) is also done if required.

Alvo Medical recommends stainless steel technology of proven quality. Additional materials are:

- Carbon steel,
- Glass,
- High Pressure Laminate (HPL)
- Mineral-acrylic solid materials
ABOUT STAINLESS STEEL

Stainless steel, due to its parameters, compares favourably with other materials in both technical and economical aspects. It also has additional high aesthetic value and is environmentally friendly.

Stainless steel is a ferrous alloy containing at least 10.5% of chromium. The use of other alloy elements such as nickel, molybdenum, copper, titanium, as well as nonmetals, especially carbon or nitrogen, results in stronger structures and can improve such qualities as flexibility and durability.

QUALITY

We use the following types of stainless steel for wall and ceiling panel production:

• Stainless steel AISI 304.
• Powder-coated stainless steel AISI 304 is available in any colour from the RAL colour palette.

PROPERTIES

Stainless steel is known for its resistance to corrosion in specific uses. Corrosion resistance is ensured with a chromium-rich oxide layer, which forms naturally on its surface. This protective layer adheres tightly and chemically stable, as well as self-renewable if appropriate amount of oxygen is provided to the surface.

Due to high corrosion resistance, stainless steel is very durable. Therefore, despite high initial cost, it limits the long-term investment costs.

ENVIRONMENTAL COMPATIBILITY

Stainless steel is 100% recyclable.
The BioCote® technology, which utilizes the power of silver, a natural antimicrobial, is incorporated into products at the time of production, making them cleaner, safer and more hygienic.

BioCote® adds to other hygienic practices, such as hand washing or cleaning regimes, working 24 hours a day to keep levels of microbial contamination in the environment at a minimum.

**ADVANTAGES OF STAINLESS STEEL BIOCOTE®**

- high corrosion resistance
- high mechanic endurance
- easily washed – low surface roughness
- quality retention in both high and low temperature
- available with radiation-protective lead plates
- broad choice of surfaces and shapes
- high aesthetics (modern, light, prestigious)
- environmental friendly
- recyclable
- highest hygienic safety and up to 99.9% bacteria reduction with the BioCote technology

**WALL THICKNESS IN VARIOUS VERSIONS**

Single or double-layered wall with stainless steel panel – minimum 34 mm thick

**STAINLESS STEEL WALL PANEL – TOP VIEW**

System walls can be manufactured as single-layered when installing panels on existing walls, or double-layered as partition walls.
Colours of the cladding provided by ALVO MEDICAL can be chosen from the standard RAL catalogue.

Colours affect the look and character of a room, so it is important to make the right choice. Certain colours reflect certain moods and feelings. Thus, by careful selection, designers can use colour to influence moods.

The warm palette – reds, oranges, and yellows – gives happy and lively moods.

The cool palette – greens, light grey and blues, purples – gives calming, neutral moods.

Most popular colors according to RAL palette:

- 1013
- 1014
- 1015
- 1016
- 1018
- 1021
- 420

ABOUT HPL

High pressure laminates (HPL) are also known as plastic laminates. HPL consists of several layers of paper impregnated with resin and pressed under heat and high pressure between embossing steel plates, to produce a homogeneous board. The core papers give it the resilience necessary for further processing.

The decor paper soaked with melamine resin, one of the hardest resins, and the transparent overlay form an indestructible surface and facilitate that inexhaustible design versatility which at the same time is unique to this product. The construction of the board can be varied practically without limit and adapted to the relevant requirements.

The thickness of the board is varied by the core. The standard thickness for coating substrates starts from 0.8 mm. But selfsupporting, solid boards up to several centimetres thick and provided on both sides with the same decor and the same structure or laminated in several colours can be produced according to the same principle.

QUALITY

We use high-quality laminates from certified manufacturers. HPL is a duroplastic product that does not change further in its material character. Once pressed the boards can indeed still be bent, but no longer moulded. However, the resins can be modified for further industrial processing so that the board can be formed after partial heating (postforming).

PROPERTIES

HPL is resistant to impact, scratching and abrasion, it is resistant to heat and light, insensitive to spots, easy to clean and to disinfect, resistant to water, steam, solvents and largely to chemicals. HPL is fire inhibiting and can be finished as flame retardant, it insulates electrically and functions as barrier against diffusion from the substrate.

ENVIRONMENTAL COMPATIBILITY

Since HPL consists of paper and virtually natural resins, its disposal does not place a burden on the environment.
ANTIBACTERIAL PROTECTION

HPL with antimicrobial protection is available!

Special anti-microbial surface is preventing the establishment and growth of micro-organisms on the surface.

As an integral component part of the surface, the active agents continue to be effective without any loss across the entire lifecycle of the product even with high usage. These active agents are free of chloroorganic substances and do not have any toxic side effects. Although this hygienic effectiveness still requires you to clean the surface, it reduces the cleaning intervals and the quantity of disinfectants that need to be used.

ADVANTAGES OF HPL

• High surface hardness, high resistance to bending, high tearing strength
• High chemical and biological resistance
• High impact strength
• Resistant to rot and biological corrosion
• Easy to machine and assemble
• Easy to clean and sterilise
•Insensitive to water and steam
• Available also with antimicrobial protection

VARIATIONS:
• HPL lamination
• HPL monolithic boards

WALL THICKNESS IN VARIOUS VERSIONS
Single or double-layered wall with HPL panels – minimum thickness 34 mm

HPL WALL PANEL – TOP VIEW

HIGH PRESSURE LAMINATE (HPL)

WWW. ALVO.PL
**Most popular colors according to RAL palette**

<table>
<thead>
<tr>
<th>Color Code</th>
<th>Color</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1013</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1014</td>
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<tr>
<td>1018</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2002</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2009</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5012</td>
<td></td>
<td></td>
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</tr>
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<td></td>
<td></td>
</tr>
<tr>
<td>9002</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SOLID SURFACE MATERIALS**

- Stainless steel panel covered with mineral acrylic board
- Mineral acrylic board as monolith

**WALL THICKNESS IN VARIOUS VERSIONS**

Single or double-layered wall with mineral acrylic surface – minimum thickness 34 mm

**SOLID SURFACE WALL PANEL**

WWW.ALVO.PL
Custom design glass panels are now available!

Glass has become very in-demand in hospitals due to its high safety and hygienic qualities as well as interesting design. Custom design graphics make the hospital environment more friendly.

SOLID SURFACE MATERIALS

Solid surface materials (e.g. Staron®, Corian®, Kerrock®) are non-porous, homogeneous surfaces composed of ± 1/3 acrylic resin and ± 2/3 natural minerals.

QUALITY

Solid surfaces are durable, stain resistant, easy to clean, and easily repairable.

PROPERTIES

Colors and patterns run through the entire thickness of the material. They do not wear away or delaminate. Joints can be glued inconspicuously and the surface-creating possibilities are endless. Surfaces are renewable – they can be restored with ordinary mild abrasive cleansers and a scouring pad. Mechanical damage can usually be repaired on site without having to completely replace the material.

ANTIBACTERIAL PROPERTIES

Mineral-acrylic surfaces are hygienic due to their non-porous structure, so they resist bacteria, mold, and moisture from penetrating the surface. As a result, the solid surfaces are appreciated in medical facilities.

ADVANTAGES OF “SOLID SURFACE” MATERIALS

- Durable and long-lived
- Resistant to impact, stains and discoloration
- Non-flammable
- Easy to clean and maintain, easy to repair
- Seamless, with homogenous joins, virtually invisible
- Hygienic: resistant against fluids, dirt, bacteria, mold, germs
- Non-toxic
- Versatile
- Thermoformable
- Environmental friendly

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VARIATIONS

• Steel-fixed safe glass
• Safe glass strengthened with steel and plasterboard
• Tempered glass strengthened with steel and plasterboard

ADVANTAGES OF GLASS

• plain, smooth, easy to clean
• resistant to bacteria and chemicals
• modern, high aesthetics
• available with graphics

ANTIBACTERIAL PROTECTION

Glass, especially the professional antibacterial glass is a major innovation in the world of hospital architecture, including operating theatres.

Thanks to the antimicrobial protection, based on silver ion technology, it is possible to eliminate 99.9% of all bacteria from the surface. It also prevents the spread of fungi. Glass, apart from its hygienic advantages, has wonderful properties of light transmission that help create healing environments by bringing in more daylight.

Glass artwork is created using many glass-working techniques. The glass panels provided by ALVO MEDICAL are laminated. Laminating glass is done with inter-layers containing photography printed on the inter-layer or even small elements dip into the glass (e.g., corals, stones, blades of grass). Curved glass surfaces are also very attractive.

Healthcare designers often choose artwork inspired by nature because of its soothing effect on the patients and hospital staff. Our designers are there to help you choose colours or graphics for your hospital. The possibilities are endless – from nature themes to body-art graphics, very popular at plastic surgery clinics.

Source: 3Form Material Solutions
www.3-form.com

GLASS PANEL – TOP VIEW

WALL THICKNESS IN VARIOUS VERSIONS

single or double-layered wall with glass panel – min. thickness 41
ART BEHIND THE GLASS

ALVO MEDICAL offers outstanding glass panels with original graphics by artist LESZEK SZURKOWSKI.

Suggested images from Leszek Szurkowski gallery:

LESZEK SZURKOWSKI
Photographer, graphic designer and illustrator. 55 solo exhibitions and over 150 group shows in various parts of the world as an exhibitor, lecturer and juror. His works were published in numerous magazines such as Communication Arts Magazine, Graphis, Graphic Excellence USA, Masters of Photography, APA Awards Book, and Photo District News. His fine art works can be found in private and gallery collections in Europe, Japan, Canada and the United States.

WWW.SZURKOWSKI.COM
ALVO MEDICAL

GLASS PANELS GRAPHICS

TECHNOLOGY
ALVO MEDICAL SYSTEM offers arrangement and complete solutions for operating theater.
### SYSTEM WALLS

**STATE OF THE ART TECHNOLOGY**

Stainless steel technology, recommended by ALVO MEDICAL, offers a variety of advantages for investors, as well as the hospital staff and finally the patient.

#### TECHNICAL DATA FOR THE STAINLESS STEEL WALL PANELS

<table>
<thead>
<tr>
<th>Height:</th>
<th>3300 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width:</td>
<td>3070 mm</td>
</tr>
<tr>
<td>Width of the interspace:</td>
<td>standard 1190 mm / maximum 1477 mm</td>
</tr>
<tr>
<td>Weight of 1m2 of panel (single layer):</td>
<td>35 kg</td>
</tr>
<tr>
<td>Acoustic insulation:</td>
<td>Rw = 55 dB (double-layered wall panel, 927 mm thick)</td>
</tr>
<tr>
<td>Heat resistance:</td>
<td>1,596 m2*K/W (single-layered wall panel, 70 mm thick)</td>
</tr>
<tr>
<td></td>
<td>1,708 m2*K/W (double-layered wall panel, 90 mm thick)</td>
</tr>
<tr>
<td>X-Ray Protection:</td>
<td>0.392 mm for 48 keV</td>
</tr>
<tr>
<td></td>
<td>0.395 mm for 250 keV</td>
</tr>
</tbody>
</table>

* Thickness of the lead plate depends on the X-ray lamp and is adjusted to the designer's requirements.

### SYSTEM CEILINGS

#### LAMINAR FLOW

Ceiling panels CLIP-IN are complementary to the wall system.

Together with the wall panels they create a complex, integrated system for the operating room.

The supporting construction for ceiling panels is made of galvanized steel.

#### GENERAL LIGHTING

Ceiling panels measurements:

- 600mm x 600mm (standard)
- 1200mm x 600mm.

Thanks to the system solution, the panels may easily be disassembled. The ALVO MEDICAL panel system makes it possible to integrate the laminar ceiling with the cladding.
ALVO MEDICAL

PERIPHERALS INTEGRATED INTO THE WALLS AND CEILINGS

- Image viewing stations
- Air gates
- Door automatics
- Control boards (INTEGRA)
- General lighting
- Electrical sockets
- Wall bumpers
- Gas terminals
- Audio/video transmitters

WWW.ALVO.PL
GLASS ELEMENTS & WINDOWS

- Regular glass window
- Vent and guillotine windows
- Tilt sash window, single-winged
- Sending / receiving windows (wicked)
- Tilt sash window, double-winged
- Solid, electric glass

SYSTEM CABINETS

- System suturing cabinet
- System cabinet, double-winged
- System pass-through cabinet
Doors are manufactured in accordance with ALVO MEDICAL technology using stainless steel of highest quality. 
• stainless steel ISO 304 thickness 1 mm polished 
• stainless steel ISO 304 thickness 1 mm powder coated according to RAL colours palette
Available are doors laminated with HPL in any colour desired.

Doors are made as sandwich-type, from two plates, the space between them is filled with particle board or with the so-called honeycomb, glued to the plates.

Thickness of door wings ranges between 40 and 60 mm. The surrounding frame can be adjusted to allow the easy installation in all types and thickness of walls.

Fixtures are made of stainless steel and adapted to requirements – size and weight of door wings, shape of door handles prevent from hooking the aprons.

Automated systems for both sliding and wide-open doors are provided by reliable manufacturers. Doors are operated from wall board, elbow buttons or Infra Red. Blinds operated manually or electrically can be installed between the glass panels. Doors by ALVO MEDICAL can be equipped with door viewers, windows used for room observation, X-ray shields made of 0,5-3 mm thick lead plates.
VARIATIONS

SWING DOORS

- Double-winged swing doors with glass window. Automatically operated.

ADVANTAGES OF THE SYSTEM
The advantages of the panel system can be divided into those related to the construction process of an operating theater and those related to everyday use of an operating room.

ADVANTAGES RELATED TO THE PROCESS OF CONSTRUCTION

- Fast installation with system solutions
- Easy installation of systems and appliances under panels
- Possibility of installation of integrated equipment such as surgical scrub sinks, shelves, cabinets
- Walls are easily disassembled for modernisation or maintenance of appliances installed underneath
- Panels can be moved if the location of an operating theatre changes
- New system elements can be added and merged with the already existing panel system
- Panels can be made to resist radiation
- Wall colours can be chosen from a broad palette

Modern appearance

ADVANTAGES RELATED TO EVERYDAY USE

- Effective prevention against bacteria with the hard, smooth, metal surface
- Sterility in the operating theatre achieved at a low cost
- Lower occurrence of post-operation infections
- Easy cleaning and disinfecting of the rooms effectively prevents the development of bacterial colonies
- Less time needed to prepare the operating room for another operation
- High mechanic resistance – panels are resistant to damage, hits and scratches
- Corrosion resistance – steel is covered with a passive layer, which is self renewable. This ensures high durability and resistance.
- Environmentally friendly – stainless steel is highly durable, and after long term use it can be recycled
- Single panels can be replaced in case of any serious damage
- Colours of the operating rooms can be easily changed

ALVO MEDICAL SYSTEM
WWW.ALVO.PL
CONSTRUCTION STAGES

A

B

C

D

E

F

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In recent years, hygienic issues have gained significantly in importance in healthcare management.

ALVO MEDICAL has followed this track – not only by introducing innovative products but also by focusing on hygienic issues.

Hygiene practices, such as cleaning, are of utmost importance in keeping levels of bacteria and mould under control.

Whilst cleaning is effective and necessary, it is impossible to clean a surface every minute of every day. Unfortunately the minute cleaning stops, bacteria can begin to grow, with some bacteria having the ability to double in number every 20 minutes.

As bacteria begin to grow, so does the risk of cross-contamination, illness and infection.

Disinfectants will instantly reduce levels of contamination but tend not to maintain their effect. In comparison, the recognised antimicrobial action of silver ion technology is constant. BioCote® protection works long after the effect of disinfectants has stopped, to continuously decontaminate surfaces of bacteria, making them cleaner and more hygienic.

With less bacterial contamination on surfaces, the risk of cross-contamination is less likely, helping to prevent potential infection and illness.
BIOCOTE PROTECTION

‘Antimicrobial’ is simply the term used to describe something that has the ability to resist the growth of microbes e.g. bacteria and moulds. BioCote® antimicrobial protection is based on silver ion technology. This technology, in the form of an additive, is incorporated into products at the time of manufacture and then provides continuous built-in antimicrobial protection for the expected lifetime of the product.

All BioCote® protected products are regularly validated and quality control tested to ISO 22196:2007 where applicable, in an independent laboratory. Only products that demonstrate over a 95% reduction in bacteria are allowed to use the BioCote® brand as a guarantee of superior antimicrobial performance. BioCote Ltd has carried out a number of environmental trials to prove BioCote® protected products are as effective in situ as in laboratory testing, consistently reducing levels of bacterial contamination in the environment by over 95%.

HOW BIOCOTE® WORKS?

BioCote® technology, in the form of silver ions, is manufactured into a product.

Silver ions concentrate on the surface of the product and a low concentration is slowly released, giving it antimicrobial protection.

Silver ions bind with any microbes that come into contact with the surface.

Silver ions cause the enzymes to breakdown.

The enzymes cannot produce energy, so the microbes are unable to reproduce and eventually die.

EXPERT ADVICE ON HYGIENE

ALVO MEDICAL offers comprehensive advice on hygienic issues to our clients continuously. Our team will recommend the best solutions for your operating theatre and help plan its further maintenance.

Constant development has lead us into introducing a new product line – copper finished furniture. By replacing fixtures, fittings and other touch surfaces with Antimicrobial Copper you will be able to continuously reduce pathogenic microbes, providing an additional protection against healthcare-associated infections.
ALVO MEDICAL co-operates with architects, engineers and medical doctors to support our customers through the whole investment cycle: designing, cost planning, tender procedure, project management until ready-to-use condition.

STAGE I
ESTIMATION & MEASUREMENT

An estimation of the technical condition is made together with functional analysis of the object. Laser measurement of the objects enables fast and precise planning.

Laser scanning done by Leica ScanStation HD (Hospital of Kamienna Gora, Poland).

STAGE II
VISUALISATION

Having consulted with the hospital’s Management and Staff, our architects prepare complex 3D visualization with the functional arrangement of the future interior.

STAGE III
PROJECT DEVELOPMENT

Based on plan approved by the Investor, we will prepare precise conceptual project, including the elements of construction as well as medical technology in the room.
STAGE IV
DETAILED ENGINEERING
With detailed engineering, the construction/modernization is fast and precise.

Key project data:
SPECIALIST EMERGENCY CARE HOSPITAL (Bolnica Skorocznej Pomocy na 350 koyek), Almaty, Kazakhstan
No of rooms in total: 27
No of operating rooms: 9
Project duration: 2010/2011
Wall and ceiling surfaces: 1470m²

Key project data:
Regional Hospital in Opole, Poland
In cooperation with CADOLTO
No of rooms in total: 10
No of operating rooms: 4
Project duration: 2009
Wall and ceiling surfaces: 773m²

Key project data:
Regional Hospital in Kolobrzeg, Poland
In cooperation with CADOLTO
No of rooms in total: 6
No of operating rooms: 4
Project duration: 2008/2009
Wall and ceiling surfaces: 620m²
HYBRID OPERATING ROOMS

A hybrid operating room is an operating room that contains all imaging technologies, such as MRT and CT, enabling intra-operative diagnostics. The hybrid theatres are in interdisciplinary usage by interventionalists, anaesthesiologists, technicians and surgeons of different specialities.

Before planning a hybrid operating room, a detailed plan of its utilization should be established. The demands of usage determine the necessary resources – location, space and imaging equipment required.

Careful planning and professional expertise are fundamental for every hybrid room project.

Thanks to the constant development of endovascular procedures in surgery, the hybrid operating room may soon become an integral part of every cardiovascular centre. This modern concept of the operating room opens a new era of cardiac surgery and will also gain in significance with the development of minimally invasive surgery.
HYBRID OPERATING ROOM
Military Hospital in Bydgoszcz, Poland.

Key project data:
- Project duration: 2008-2009
- No of rooms in total: 24
- No of operating rooms: 9 (including 1 hybrid)
- Wall and ceiling surfaces (sqm): 1360.80 sqm
- No of doors: 47
# SELECTED PROJECTS
## Q4/2010-Q4/2011

<table>
<thead>
<tr>
<th>HOSPITAL</th>
<th>CITY</th>
<th>COUNTRY</th>
<th>PROJECT SPECIFICATION</th>
<th>YEAR</th>
<th>SQM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alsalam Royal Hospital</td>
<td>Khartoum</td>
<td>Sudan</td>
<td>8 rooms, 5 operating rooms</td>
<td>2010</td>
<td>360m²</td>
</tr>
<tr>
<td>King Fahad Medical City</td>
<td>Riyadh</td>
<td>Saudi Arabia</td>
<td>1 hybrid operating room</td>
<td>2010</td>
<td>80m²</td>
</tr>
<tr>
<td>One Day Treatment Center, Ursynów, in cooperation</td>
<td>Warszaw</td>
<td>Poland</td>
<td>7 rooms, 2 operating rooms</td>
<td>2010</td>
<td>404m²</td>
</tr>
<tr>
<td>El Nada Hospital</td>
<td>Cairo</td>
<td>Egypt</td>
<td>5 rooms, 4 operating rooms</td>
<td>2010/2011</td>
<td>198m²</td>
</tr>
<tr>
<td>Al Cehira International Hospital</td>
<td>Mansura</td>
<td>Egypt</td>
<td>5 operating rooms</td>
<td>2010/2011</td>
<td>493m²</td>
</tr>
<tr>
<td>Alexandria New Medical Centre Samouha</td>
<td>Alexandria</td>
<td>Egypt</td>
<td>1 operating room</td>
<td>2010/2011</td>
<td>93m²</td>
</tr>
<tr>
<td>I Care Hospital Samouha</td>
<td>Alexandria</td>
<td>Egypt</td>
<td>3 operating rooms</td>
<td>2010/2011</td>
<td>213m²</td>
</tr>
<tr>
<td>Nautshno-Issledovatelskiy Orthopaedics and Trauma</td>
<td>Astana</td>
<td>Kazakhstan</td>
<td>30 rooms, 9 operating rooms</td>
<td>2010</td>
<td>1304m²</td>
</tr>
<tr>
<td>Specialist Emergency Care Hospital</td>
<td>Almaty</td>
<td>Kazakhstan</td>
<td>27 rooms, 9 operating rooms</td>
<td>2010/2011</td>
<td>1470m²</td>
</tr>
<tr>
<td>Multidisciplinary Hospital</td>
<td>Almaty</td>
<td>Kazakhstan</td>
<td>37 rooms, 13 operating rooms</td>
<td>2010/2011</td>
<td>2482m²</td>
</tr>
<tr>
<td>Regional Hospital in Poznan</td>
<td>Poznan</td>
<td>Poland</td>
<td>10 rooms, 3 operating rooms</td>
<td>2010/2011</td>
<td>1037m²</td>
</tr>
<tr>
<td>Regional Hospital in Bielsko-Biala</td>
<td>Bielsko-Biala</td>
<td>Poland</td>
<td>5 rooms, 2 operating rooms (1 hybrid)</td>
<td>2011</td>
<td>508m²</td>
</tr>
<tr>
<td>Ophthalmology Hospital, Biznes Centr</td>
<td>Almaty</td>
<td>Kazakhstan</td>
<td>8 rooms, 2 operating rooms</td>
<td>2011</td>
<td>154m²</td>
</tr>
<tr>
<td>Oblastnoy Kardiocentrum</td>
<td>Karaganda</td>
<td>Kazakhstan</td>
<td>17 rooms, 6 operating rooms (1 hybrid)</td>
<td>2011</td>
<td>463m²</td>
</tr>
<tr>
<td>Al Carhoud Private Hospital</td>
<td>Dubai</td>
<td>UAE</td>
<td>3 operating rooms</td>
<td>2011</td>
<td>250m²</td>
</tr>
<tr>
<td>Aliaa Hospital</td>
<td>Khartoum</td>
<td>Sudan</td>
<td>4 rooms, 2 operating rooms</td>
<td>2011</td>
<td>160m²</td>
</tr>
<tr>
<td>Federal Center of Traumatology</td>
<td>Smolensk</td>
<td>Russia</td>
<td>38 doors</td>
<td>2011</td>
<td>-</td>
</tr>
<tr>
<td>Federal Center of Cardiosurgery</td>
<td>Kaliningrad</td>
<td>Russia</td>
<td>28 doors</td>
<td>2011</td>
<td>-</td>
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<tr>
<td>Federal Center of Traumatology</td>
<td>Barnaul</td>
<td>Russia</td>
<td>38 doors</td>
<td>2011</td>
<td>-</td>
</tr>
</tbody>
</table>
The continuous improvement of the medical situation is the goal we intend to achieve through increasing the comfort of both the doctor and the patient.