Maquet Hospital Solutions
Workspace concepts tailored to your needs
Whether investing in a new building, a modernization or expansion, individual solutions are always necessary in order to take precise account of all aspects of complex planning and medical technologies. Selecting the right partner is crucial when it comes to the smooth implementation of sensitive areas of a building, such as operating rooms, intensive care units or central sterilization departments. Maquet Hospital Solutions understands these needs, and meets the technical and economic requirements and expectations of the hospital.

Workflow experience, project competence, budget and deadline adherence are precisely what Maquet Hospital Solutions stands for. We support your project from beginning to end. From consultancy and planning, to modular room design and own medical equipment, through to installation and initial operation, we bundle our knowledge and expertise of services and products to help you.

Maquet Hospital Solutions offers complete concepts from a single source, tailored precisely to your technical and economic requirements. Hospitals, planners and architects all benefit from the expertise we have gained. In this way, Maquet Hospital Solutions sets a standard worldwide.

This brochure introduces a small selection of the international projects we have managed. Let yourself be inspired!

Your MHS team

Maquet | The Gold Standard
Maquet has provided excellent technical implementation of our OR renovation, but also ensured intensive and extremely competent accompaniment during the planning phase. This enabled constructive discussions regarding the creation of our ideal OR.”

Dr. Thomas Iber, Chief Anesthesiologist at Klinikum Mittelbaden Baden-Baden Balg, Germany

Success can be planned
From idea to implementation

Consultancy and workflow: Maquet Hospital Solutions offers complete design concepts that take today’s needs and tomorrow’s growth into account. Intensive discussions with clients, medical technicians and architects help Maquet to develop intelligent room designs. The long-sighted planning efficiently makes use of all resources while leaving plenty of space for future changes.

Smart financing and payment models: With flexible solutions we support your goals to provide best-in-class care and grow your business in a competitive environment. Tailor-made to your specific requirements and constraints, Maquet’s innovative financing concepts serve your needs to always access latest healthcare technologies while protecting funds and optimizing cash flow at the same time.

The workflow concepts are up-to-date. The patient, personnel and instrument flow in OR departments are subject to intensive analysis. In this way, resources can be employed more efficiently and cost-effectively. What begins with intelligent and forward-thinking planning results in comprehensive solutions that optimize the long-term workflow. Maquet is thus able to offer its clients workflow designs that not only keep up, but stay ahead instead.

Daily workflow should be well-organized, both in terms of structure and throughput. While VARIOP structures the OR workspace for optimum ergonomics and workflow, INSIGHT Clinical Logistics software provides relevant real-time information to increase patient throughput and cross-departmental collaboration. Together, VARIOP and INSIGHT effectively streamline clinical workflows to help hospitals improve clinician and patient satisfaction.
The modular room system VARIOP consists of the substructure, the wall and ceiling systems, doors and the optional integration of built-in elements. VARIOP can be adapted to a wide variety of installation situations. The wall elements are available in individual colors, materials and surface options. Antibacterial powder coating may be used, if requested. The prefabricated components guarantee short installation times and optimum project procedures, minimizing OR downtime. Appealing colors, motifs and design elements create a pleasant working environment.

The flexible installation elements ensure the organized and ergonomic arrangement of switches, outlet sockets and gas terminal units. In this way, both functionality and design are emphasized. With VARIOP, the client invests in a future-proof system that creates the best prerequisites for the constant adaptation of operating rooms and intensive care units to meet the latest technological advances.

Hinged or sliding doors are used in accordance with the requirements of the client, and suitability for the work procedures. These may be operated manually or automatically. The suspended ceiling is made up of individual ceiling cassettes into which the air supply, surgical lights, ceiling supply units and the room lighting may all be precisely integrated. All built-in elements are integrated into the wall system, flush and frameless, to ensure optimum hygienic conditions.

Wall elements may be made from stainless steel or glass. The large surface areas, the option for backlighting and the extremely pleasing design make glass ideally suited for use in a hospital.
VARIO® is not just a good solution for operating rooms. It is also suitable for intensive care units, isolation rooms, recovery rooms, sterile storage and central sterilization departments. The system is able to meet the highest level of hygienic demands that these rooms require.

Intensive care units often treat patients with serious or life-threatening illness over longer periods of time. The focus is on a high level of medical treatment and professional care. Tension among personnel and visiting family members is at a maximum. For this reason, it is particularly important that the surroundings are not characterized solely by medical devices and technology, but is also optimized by the use of colors, glass and light.

Equipping an entire department with VARIO® means bearing future needs in mind and planning sustainably and economically. VARIO® unites ambitious interior architecture with maximum functionality in all critical departments.
High performance OR
Maquet equipment

As a leading provider of operating rooms and intensive care units, Maquet offers technical and medical solutions that set new standards in patient care in terms of quality, functionality and reliability. Practical, optimized products enable smooth OR procedures and facilitate the operating results. At Maquet, medical, functional and economic efficiency all make successful contributions to one another. Products for the anesthesia sectors and cardiovascular interventions complete the OR portfolio.

Maquet offers a wide product range that plays an important role in the medical environment:

- Anesthesia delivery systems
- Aspirators
- Clinical Logistics solutions
- Ceiling supply units
- Digital OR integration systems
- Heart-Lung assist devices
- Mobile operating tables
- Modular room systems made of stainless steel or glass
- Operating table systems
- Surgical lights
- Products for Coronary Artery Bypass Surgery

"The client is able to streamline workflow and save considerable time if he makes use of products and services that have been specifically tailored to work together. Maquet is a true full service provider: All products and solutions are created by one company."

Dr. Björn M. Werner, Managing Director MAQUET Hospital Solutions GmbH
TEGRIS is the ideal counterpart to the flexible room system VARIOP, allowing OR staff to operate practically every element of the operating room at the touch of a button as well as keeping your workflow running. Maquet offers a comprehensive OR Integration product line covering the needs of most medical disciplines in most types of ORs. Exceptional integrated into the ORs’ workflow, TEGRIS acts as an operation center, improving ergonomics in the daily OR routine. It unites video routing, recording and transmission, data management, device operation and more in a single, user-friendly unit.
Project management
Putting you on the safe side

Alongside a variety of official requirements, such as fire protection, the particular challenge of carrying out building work in sensitive areas of a hospital is characterized by the implementation and combination of the many individual systems into a single fully-functioning complete system. An experienced project manager coordinates each project in order to achieve efficient results in the specified time frame, gaining agreement and coordination among all involved specialists. As your personal contact, this coordinator takes care of managing the project and ensures the smooth procedure of all project phases. This makes complex projects clear and traceable at all times.

We were very happy with the planning and realization of the project. Maquet did excellent work on the installation of VARIOP in the OR department of our private clinic Brétéché (France). You have gained a new and very satisfied customer!

Béatrice Richard, Director of Clinique Bretéché, Nantes, France

With a combination of careful planning and professional project management, Maquet Hospital Solutions lays the foundation for your investment assurance and future-proofing, including designs that are economical and flexible. This means you are always in a position to respond quickly to trends, technologies and requirements.
Made in Germany – Maquet constantly invests in innovative technologies. With manufacturing carried out at our production facilities, we are able to quickly respond to the wishes of our clients and to ensure the highest of standards, even for the sensitive areas within a hospital. VARIOP is produced using environmentally aware manufacturing methods at our headquarters in Rastatt. Economy, quality and sustainability are the focus of all activities.

A smooth installation is not an exception; it is a matter of course. Careful preparation and the modular room system enable fast and quiet installation. The VARIOP wall and ceiling elements are supplied accurate to size, which allows smooth project procedures. A perfectly coordinated on-site team of specialists installs all components quickly and accurately without disrupting ongoing operations within the hospital. This enables Maquet clients to simply rely on the perfect installation and to continue to concentrate on their daily duties.
We have chosen Maquet as our solution provider for ORs for two main reasons: Maquet’s consultancy and workflow, and the durability of the VARIOP solution. Both lead to a positive return on investment.”

Bora Atay, Mechanical Group Supervisor, Acibadem Project Management, Turkey
In partnership with clients, planners and architects, Maquet Hospital Solutions develops tailored room concepts characterized by functionality and appealing designs. The use of colored installation elements and wall paintings within the design ensures a calming environment for patients and a pleasant working atmosphere for staff. Take a look at selected examples that demonstrate the versatility of our solutions on the following pages. We are sure we will be able to achieve the best results for your requirements.
**Centre Léon Bérard (CLB)**
Lyon, France

**Scope of delivery, Maquet**

**Rooms:** 11 operating rooms, ancillary rooms, recovery rooms, holding area, corridors

**Equipment:** Operating tables, surgical lights, ceiling supply units, digital OR integration systems

**Completed:** 2013

**Architect:** A2DH SARL D’ARCHITECTURE
Algemeen Stedelijk Ziekenhuis (ASZ)
Aalst, Belgium

Scope of delivery, Maquet

Rooms: 7 operating rooms, one of which is a hybrid OR, ancillary rooms, recovery room, holding area, corridor

Equipment: Operating tables, surgical lights, ceiling supply units, OR VIEWPORT, OR VIEWSTATION

Completed: 2013
Manchester Royal Infirmary
Manchester, UK

Scope of delivery, Maquet

**Rooms:**
- 2 hybrid operating rooms,
- 1 operating room

**Equipment:**
- Operating tables, surgical lights,
- ceiling supply units,
- digital OR integration systems

**Completed:**
2014
## King Fahad Medical City: Pediatrics and PSHC
Riad, Saudi Arabia

### Scope of delivery, Maquet

<table>
<thead>
<tr>
<th>Rooms:</th>
<th>12 operating rooms, sterile storage, corridors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equipment:</td>
<td>Operating tables, surgical lights, ceiling supply units</td>
</tr>
<tr>
<td>Completed:</td>
<td>2013/2014</td>
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</tbody>
</table>
Hospital do Coração
São Paulo, Brazil

Scope of delivery, Maquet

Rooms: 2 operating rooms, 1 MRI room, control rooms, corridors
Equipment: Operating tables, surgical lights, ceiling supply units, digital OR integration systems, aspirators
Completed: 2014
## Yonemori Hospital
Kagoshima, Japan

### Scope of delivery, Maquet

| Rooms:            | 9 operating rooms,  
                    | 10 intensive care units,  
                    | 3 emergency rooms       |
|-------------------|---------------------|
| Equipment:        | Operating tables, surgical lights,  
                    | ceiling supply units,  
                    | digital OR integration systems |
| Completed:        | 2014                |
University Hospital
Okayama, Japan

Scope of delivery, Maquet

Rooms: 20 operating rooms
Equipment: Operating tables, surgical lights, ceiling supply units, digital OR integration systems
Completed: 2012
Intensive care units around the world
Overview
Intensive care units around the world
Overview
Projects:

- Maquet Academy, Rastatt, Germany
- Abha, Saudi Arabia
- Yonemori Hospital, Kagoshima, Japan

Completed: 2010–2014
Sterile goods storage unit and central sterilization facilities

Overview
Projects:
• Maternity and Children Hospital, Al Hassa, Saudi Arabia
• Clinique Montbrillant, La Chaux-de-Fonds, Switzerland

Completed: 2010–2014
Our promise

We offer our clients a full service, from consultation to design, planning, production and installation, through to initial operation. Thanks to the bundling of our knowledge, expertise and products, we are proud to have established a unique worldwide standard for complete hospital solutions. Numerous national and international projects are a sign of the great trust that has been placed in us. We consider ourselves responsible for respecting this trust. We promise to continue to provide our clients with our full expertise in future. Whatever we do, we do it competently, reliably and efficiently with the intention of meeting the expectations of our clients.
Getinge Group is a leading global provider of products and systems that contribute to quality enhancement and cost efficiency within healthcare and life sciences. We operate under the three brands of ArjoHuntleigh, Getinge and Maquet. ArjoHuntleigh focuses on patient mobility and wound management solutions. Getinge provides solutions for infection control within healthcare and contamination prevention within life sciences. Maquet specializes in solutions, therapies and products for surgical interventions, interventional cardiology and intensive care.