WELCOME TO THE WORLD OF ENDOSCOPY

The new KARL STORZ Visitor Centre awaits you
Rediscover the world of endoscopy

With the new Visitor Centre, KARL STORZ has created more than just an additional facility for product presentation and customer consultation. At the Centre, we also invite you to take a look at the world of endoscopy as we see it.

From a holistic perspective, the processes within the patient’s clinical environment are as important to optimal surgical results as the development and production of high-quality medical devices.

In modern medicine, more patient data is available than ever before. In itself, this does not ensure progress in the surgical treatment of diseases – but when all patient-related information is combined and made accessible, accurate diagnoses can be made and the most promising treatment methods can be identified.
Optimizing the clinical treatment requires the continuous availability of all patient information. On this basis, the patient’s hospital stay, the physical, room and staff resources and the proper sequences must be planned to achieve optimal results for the patient and the hospital. Combining all data and decisions on optimal treatment planning and the perfect hospitalization places very high demands on clinical process and workflow management – and benefits both the patient and the financial results.

Take a look into the future of clinical treatment processes and become a “patient” at the new KARL STORZ Visitor Centre.
Welcome to the KARL STORZ HOSPITAL1® concept

We are pleased about your visit – from the first to the last minute of your stay. To help you feel comfortable from the very start, we welcome you in our lobby, where you receive your personal information, particularly your electronic key that opens the doors to the KARL STORZ information and clinical world for you.

For the patient, the new world of process management starts here in the reception area. Here, patient-related data is collected and stored on the personalized patient wristband before moving on to the OFFICE 1 practice area for the initial examination and diagnosis.
OFFICE 1 examination – diagnosis – treatment

The OFFICE 1 examination unit is optimized for the digital, imaging-related examination and treatment process in the medical specialties

- ENT
- Gynecology
- Urology
- Gastroenterology

After you are welcomed in the lobby, the initial medical examination is performed. On the basis of the examination in OFFICE 1, diagnoses and findings are established and the medical treatment as well as further treatment steps and therapies are determined.

The obtained data and the decisions made regarding your treatment are stored in a central location and permanently linked with your personal, electronic treatment ticket to prevent mix-ups.
Surgical preparation is conducted using the collected data and the diagnosis established in the OFFICE 1 examination area. After the findings and diagnosis are established, KARL STORZ systems are used for scheduling and room and staff planning:

- Anesthesia management with AMM (Anesthesia Management Module)
- Instrument management with IMM (Instrument Management Module)
- Resource management with RPM (Resource Planning Module)

Additional software systems include ORchestrion® for process management and MORE, which uses a light signaling system to offer the OR staff visual status indication on current progress in the OR and active access control to ensure that only authorized OR staff have access to the highly sensitive OR area.

In the OR management area or the nurses’ duty room, the patient receives an active RFID patient wristband, which allows the hospital staff to precisely localize the patient via SLM (Steering and Localization Module).

Furthermore, the SLM module can be used to determine any deviations from the OR plan and to perform an automatic, real-time update in case of changes to the plan.

Simultaneously with resource planning and patient localization, the material use and instrument needs for items such as swabs, suture material, etc., are automatically planned and stored in the patient data when the type of surgery is determined. Via RFID, the Instrument Management Module (IMM) allows the localization and optimization of tray contents and provides information on when, where, and how frequently instruments have been used.

The patient is then prepared for the upcoming outpatient or inpatient surgery and taken to the patient room.
The patient's personal space is very important, even in modern hospitals and perhaps especially there. In this area, patients spend time waiting for surgery, participate in preparatory consultations, receive visitors and personally and privately prepare for the upcoming procedure. After surgery, patients recover from procedures and therapies in this environment and spend time until they are discharged from the hospital.

A positive attitude towards the surgery and the hospital stay very positively affects treatment success. We therefore strive to support this attitude with rooms that give the patient the necessary confidence that the ward staff can exclusively focus on patients’ well-being. The nurse call system in the rooms on the ward enables patients to inform the nursing staff of any needs (beverages, assistance, etc.). When the nurse call system is activated, the request is passed along to nurses via a task management system. They can then rapidly respond to the needs and wishes of patients and core competencies, such as promoting patient well-being and rehabilitation, are returned to the staff.
Operating rooms – OR1™ of course

The current trend favors ever greater integration of OR systems, imaging options, and communication options, as well as connection to hospital information systems with convenient and ergonomic system operation. Economic aspects and process optimization play a role as well. ORs for specialty surgeries and hybrid operating rooms are becoming increasingly important. We have continuously advanced the OR1™ technology in an effort to better integrate the OR into the entire hospital infrastructure and to improve surgical and medical processes for increased patient safety.

To meet the requirements of an ergonomically and technically mature OR workspace, KARL STORZ has combined many innovations into one overall concept: KARL STORZ OR1™ NEO.

- VOICE1®, an adaptive voice control system that reliably carries out commands
- SMARTCONNECT and STREAMCONNECT®, the new generation of streaming
- OR1™ SCB NEO, AIDA NEO, and AV-System NEO
- OVERVIEW, the monitoring solution to support the OR staff in the recovery area
- AIDA ADVANCED REPORTER, a system for easy documentation and reporting
- MI-REPORT, a system with which all needed data can be touchlessly controlled and used via hand movements
Surgical recovery room and follow-up treatment

While the patient recovers from anesthesia, physicians document the performed procedure using the various documentation systems developed by KARL STORZ. The staff is supported by the new OVERVIEW II technology. The IP-based camera system allows the OR staff to monitor the patient after the procedure and to ensure optimal support during this process. We paid close attention to patients’ comfort in this area as well to enable them to quickly forget the strains of surgery. With an “ambient light system” that was specially developed for recovery rooms, pre-defined lighting scenarios can be selected.
Central sterilisation

For instruments, after surgery is before surgery. Thanks to the special software solution developed for instrument management (IMM), the most important surgical tools are closely monitored during the reprocessing and sterilization process. At the central sterilization service, the instruments are cleaned, sterilized, and prepared for renewed use.

With the IMM software solution, the hospital can optimize tray composition on the basis of specialty and type of procedure, and eliminate instruments that are not used from the trays. This process leads to cost reductions and savings in the instrument and sterilization cycles; hospitals can then use these to implement new technologies to shorten surgeries and to thereby benefit patients.

Good service always involves a promise. Our promise is to take responsibility. Our service program ENDOPROTECT1 stands for the protection of the hospital, the physicians, and the clinical staff – as well as the protection of the investment through long-term value preservation.

Complex instruments require high-level care, because availability cannot be guaranteed without diligent work and effort.
The world of clinical process management

KARL STORZ HOSPITAL1®

“Our innovations and developments in minimally invasive surgery highlight our expertise in structuring patient treatment processes.

KARL STORZ Endoskope has developed the integrated operating room OR1™ for the optimization of surgeries.”

With the MORE and ORchestrian® product lines, KARL STORZ supports the process-controlled overall organization of hospitals.

Welcome to KARL STORZ

Advantages to the treatment process

Patient Management

Diagnosis management

Planned patient stay

Diagnosis

Resource management

Therapy

Resources
- Physical / staff
- Room functions
- Capacity
- Medical technology / IT

Treatment management
In 18 specialty portals, we are presenting the world of KARL STORZ products in an unprecedented manner.

We invite you to enter into an interactive dialog with our products, which are organized by medical specialty. Every portal offers comprehensive information and exhibits from our current product range.
Consultation and meeting rooms with cutting-edge communication and presentation technology are also available, as are our current literature and product information in electronic format. A cafeteria invites you to relax and takes care of your culinary needs.
High-tech and function

The KARL STORZ presentation portals – concentrated information from more than 20 medical specialties

The individual specialty portals do much more than simply exhibit products. The exhibits are supplemented by presentations, movies, and interactive media. Printed media can be electronically accessed at the monitor, and product images can be enlarged to better examine and assess products.
The touch tables give you access to publications, catalogs, movies – in brief, to all information about KARL STORZ products – literally at the flick of your hand. No more keyboard, mouse, or other control devices – you can control everything with simple hand movements.
As a guest of our Visitor Centre, meeting and information rooms are available to you during your stay upon request. The rooms are equipped with cutting-edge technology, and they are available to you to hold work meetings, presentations, and video conferences, to design plans and concepts, and much more.

**Cutting-edge communication and presentation technology**
“Medicine always needs the best product of its time” – this is the mission and the claim of KARL STORZ. Today, medicine and technology push and expand their limits in evolutionary steps, venturing in ever shorter intervals into new dimensions which would have been unthinkable years ago.

Innovative products and pioneering, evolutionary developments by KARL STORZ are the outcome of these ventures and the sum of the intensive collaboration with renowned medical experts and research facilities. KARL STORZ is forever setting new standards with the best products of their times – for the well-being of the patients and for the benefit of the users.

From an idea ...

... to a modern international company
Following the death of the company’s founder, his daughter, Dr. h. c. mult. Sybill Storz, took over management of the company in a seamless transition in 1996. Sybill Storz has been awarded the distinction of “Businesswoman of the year” on several occasions, and, with her at its helm, the company has enjoyed healthy and dynamic growth. Long-term strategies are the defining element of this global expansion. In the 21st century, the company continues to demonstrate its intuition for pioneering trends and successfully assert itself as a leading player in terms of technology and innovation.

As an innovative expert and an entrepreneur of great integrity, working together with physicians, the company’s founder set great store by developing products which were precisely tailored to the needs of the sector and, in turn, ensured the well-being of patients. As a result, over the years KARL STORZ Endoskope has become known as an enduring and reliable partner for physicians.

Now in its third generation, the unwillingness to rest on one’s laurels is still firmly anchored in the corporate philosophy of this family company. For over 65 years, the company has been committed to meeting the highest quality standards for physicians all over the world.