



ACENDIS HIGHLIGHTS

COLLECTION #20

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Together. All the way.



HANNOVER
Capital of Lower Saxony



„Hannover – One of Europe's greenest Citys.“

International Hospital Projects by ACENDIS

Holistic, client-driven solutions made in Germany

ACENDIS started as a project company in 1995 with the aim of being a reliable and competent partner for hospitals and health care facilities. Today, we can claim to have not only achieved this goal, but also to have far exceeded it. Hospital operators and owners worldwide use the extensive services of ACENDIS. We are happy to share our know-how and experience from more than 250 projects in more than 15 countries, because they give us the opportunity to act reliably and in a goal-oriented manner on behalf of our customers. We are always there for you, before, during and even long after project completion. We offer comprehensive support over the entire project period, according to our motto „Together. All the way“. Professional

competence, trust and the will to achieve the best for you, our customers, make us stand out. With our branches and partners in Europe, the Near and Middle East, Africa and China we are available for you directly on site and know the regional conditions and people.

Would you like to get to know us better? Our competent project team will be happy to show you the numerous advantages that will benefit you when working with ACENDIS. As a German company, we would like to invite you to visit our headquarters in Hannover, in the north of Germany. Convince yourself personally of the benefits of our city, our team and of ACENDIS as your new project partner.

Living Hospital Projects

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Elisa Product Family Shapes the Future of the Intensive Care Ventilation

ACENDIS



Life means breath. It means being able to breathe without having to think. It's so plain and simple. However, when breathing becomes difficult due to illness or other reasons, the Elisa family produced by the company Löwenstein Medical offers ventilation that is suitable for a personalized spontaneous ventilation model.

The Elisa product family provides simplicity at the highest technological standard. Simple application creates safety for medical staff and patients. As a technological pioneer Elisa intensive care ventilators provide natural, gentle ventilation and sustainable outlook. This principle of sustainability is very important for the Elisa product family. Upgrades create smooth transitions between the models, while software updates guarantee the products of Löwenstein Medical long service life at the highest technological level.

As ACENDIS we're pleased to cooperate with Löwenstein Medical as a pioneer company in the field of intensive care ventilation.



Take a look at the Elisa Family:

ELISA 300 | 500

The New Compact Range In Intensive Care Ventilation With The Latest Turbine Technology

For an innovative, intuitive and sustainable individualised ventilation therapy the agile system design of Elisa 300 and Elisa 500 provides the best treatment solutions for your patients and effective assistance for you to reduce operator errors and work time.

The turbine technology enables maximum peak inspiratory flows of up to 300 L/min and higher ventilation pressures. At the same time, noise emissions and maintenance costs have been significantly reduced. Because of complex and wide-ranging daily requirements in intensive care ventilation a comprehensive functional platform, state-of-the-art technology, flexible device configuration and intuitive operation support you in your daily routine work and in critical ventilation situations:

- in the ICU, the intermediate care unit, the emergency department or during in-hospital transports
- with ARDS, COPD or in prolonged weaning, in high-flow oxygen therapy, invasive or non-invasive ventilation
- in modern ventilation modes, oesophageal pressure measurement with mesh nebulizer, loops, PEEPfinder® or weaning tools

Elisa 300

Elisa 300 combines compact-class advantages with the performance characteristics of a modern universal ventilator for invasive and non-invasive ventilation therapy.

The innovative user interface and the comprehensive device configuration options are the basis for versatile application options in intensive care, intermediate care, emergency rooms or during in-hospital transport. The 12.1-inch display with a stunning colour performance is the key operating element to guarantee simple operation. Numerous functions provide support with daily routine tasks.



Elisa 500

The compact-class device Elisa 500 features topshelf performance characteristics and offers a full therapeutic range of clinical ventilation options in turbine-driven devices. With a peak flow of up to 300 litres per minute, the high-performance, noise optimised turbine guarantees sufficient flow capacities. Elisa 500 is equipped with the extensive configuration options and a stunning colour performance of the 15.1-inch display and creates the basis for versatile application options, ranging from the weaning unit to maximum-level intensive care. As a modern universal ventilator for invasive and noninvasive applications, Elisa 500 features the new special sensors, transpulmonary pressure measurement and the Cuff scout®.

In order to achieve the most effective treatment and individualized ventilation solutions in the intensive care ventilation, the Elisa family stands always by you and your patients.

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ACIBADEM HOSPITAL
ALTUNIZADE - İSTANBUL / TURKEY



MEDICANA HOSPITAL
KADIKÖY - İSTANBUL / TURKEY



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Focus on intensive care units. ACENDIS has the right solution for you.

Thanks to our experiences from the hospital projects we have carried out for more than 25 years worldwide we are pleased to offer you a complete solution for your intensive care unit.

The treatment of patients who are in a critical, life-threatening condition and who need permanent medical treatment or care in the long term is the core of intensive care units (ICU). This is where specially trained staff works under high pressure with state of the art equipment.

Precision saves lives

The treatment of diseases and injuries such as trauma, organ failure and sepsis requires constant and precise monitoring and support by highly specialized devices and medication to maintain the body functions of the patient.



High quality of treatment thanks to high-quality equipment

As ACENDIS, we are able to offer the best equipment for your intensive care units with our wide product portfolio to support intensive care healthcare staff in these challenging tasks. For your intensive care units, we offer different product groups of Löwenstein Medical Intensive Care Ventilators providing transparent as well as directly controllable and innovative ventilation, ACENDIS Patient Monitors in monitoring patients' values, Wissner-Bosserhoff ICU Beds, Simeon Surgical Lights, Argus Infusion and Perfusion Pumps and Modul Technik Medical Supply Units specially designed for the intensive care units.



Choosing State-of-the-Art Medical Devices for Effective Treatments

As ACENDIS, we are able to offer the best equipment for your intensive care units with our wide product portfolio to support intensive care healthcare staff in these challenging tasks.



Multicare

» High Level Intensive Care Bed



High Level Intensive Care Bed

- Fully automatic, kinetic therapy up to $\pm 30^\circ$ by lateral tilting
- VAP (ventilator-associated pneumonia) treatment and prevention
- Prevention of bedsores
- Determination and follow-up of patient weight
- Easier breathing
- Mobilization and self-mobilization

Features to Alleviate the Workload of Healthcare Personnel

- X-ray permeable back section and lying surface to allow easy observation with C arm Scopy and Mobile X-ray devices
- LCD touch screen for central control of all features
- Orthopnea position and cardiac chair position

We are there for you with our wide range of product portfolio in order to meet the special needs of patients in critical condition in the intensive care unit and help healthcare personnel in the best way for care services. With its innovative features, Linet Multicare model intensive care bed completes our product portfolio in this field.



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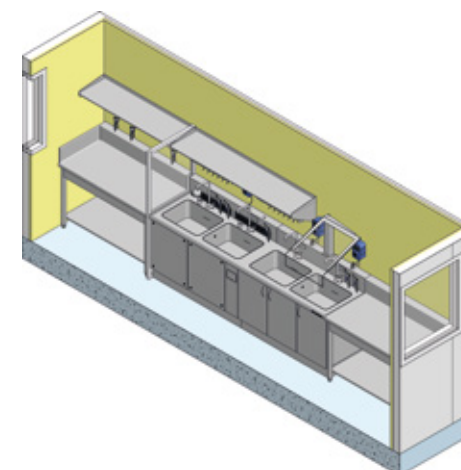
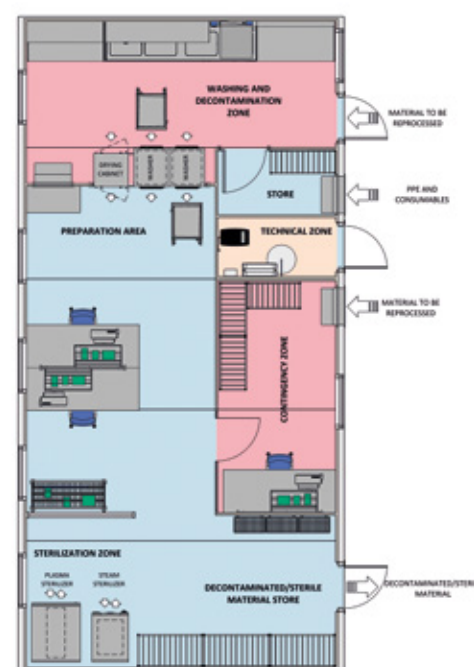


Decontamination and Sterilization Unit by Our Solution Partner MATACHANA to Overcome COVID-19 Pandemic

MATACHANA, our solution partner in the sterilization field provides maximum hygiene for its users with its Decontamination and Sterilization Unit of an Infectious Patient Hospital or an Intensive Care Unit.

Based on the experience gained during the COVID-19 health crisis MATACHANA has developed a solution for the reprocessing and sterilization of medical materials for the Decontamination and Sterilization Unit of an Infectious Patient Hospital or ICU.

As ACENDIS, we are pleased to present you the new Decontamination and Sterilization Unit developed by MATACHANA to minimize the contamination of COVID-19 Pandemic in hospitals.



Automated Washing and Thermodisinfection Zone and Material Drying

This zone includes a line of washer-thermodisinfectors acting as a physical barrier to separate two areas of different biological containment, thus ensuring the required productivity for the reprocessing of the service material.



Material Preparation, Inspection and Packaging Zone

All of the activities related to the inspection, classification and packaging of the material prior to its sterilization are carried out in this zone, for those elements that require it.

Contingency Area

A contingency area is a multipurpose space that will normally be used for the storage of clean textile material prior to sterilization.



Equipment for the Steam and Low-Temperature Sterilization Zone

This zone contemplates the incorporation of one steam sterilizer (according to standard EN 285: 2009) and one low-temperature sterilizer.

Equipment for the Sterile Storage Area

This area will serve as storage space for the sterile material and contains all the storage elements intended for the placement of the processed items and maintenance of its sterility.

Auxiliary Areas

To complete the project, the following areas are included:

Technical Area: incorporates the water treatment system to feed the steam sterilizers and automatic washers. **Material Storage:** for a stock of PPE and consumables used in this unit.



Your Partner for Modular Operation Theatres

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A 5-star Hospital Located in the Heart of Amman, Jordan: AL-KINDI HOSPITAL

ACENDIS



With our latest completed hospital project in Jordan, we had the chance to make an impact on Jordan's high potential healthcare market. Al-Kindi Hospital cooperated with ACENDIS as a consulting partner for their new hospital project in Jordan's capital city Amman.

Al-Kindi Hospital opened its doors in October 2019 and is prominent for patients, especially from foreign countries, due to its expertise in bariatric laparoscopic surgical procedures. One of the highlights of the project are the modular operating theaters with full glass wall paneling and integrated digital features. The planning of the modular system was done by ACENDIS in collaboration with Medik Germany and OHS Jordan.

The cooperation between Founder and General Manager Dr. Mohammad Khrais and ACENDIS dates back to 2016. Our local team established contact to Dr. M. Khrais who



was planning a new private hospital in Amman, Jordan. After agreeing on a cooperation ACENDIS examined the project plans in detail and gave our technical consultation by determining the high-quality medical equipment which will fulfil the customer's demands. In order to fulfil the demands of Dr. Khrais, as a pioneer surgeon in laparoscopy and bariatric surgery, ACENDIS selected only the best products that met his expectations. We accompanied our customer from the construction phase until the present day through all steps of planning, selection of the medical equipment, procurement and supply of

medical equipment, the installation and commissioning within the healthcare facility and the after-sales-service. We are very proud to have the trust of Dr. M. Khrais who cooperated with us as strategic partner along this exciting project.

Al-Kindi Hospital with its comprehensive range of high technology medical equipment, is a general hospital complex with around 33,000 m² to deliver services in a broad field of healthcare units. It is a modern and efficient medical facility to accommodate 125 patient beds, ICUs, NICUs and 8 operating theaters.

One of the most important features that distinguishes Al-Kindi Hospital from other hospitals is its modular operating theaters with glass wall panelling. In this field, we cooperated with MEDIK Hospital Design from Hamburg, Germany who are pioneers in planning and construction of tailor-made room concepts made of glass and light in hospitals. These operating theaters have a modular



glass wall system that creates a friendly and relaxed environment for both the patients and staff instead of bare wall surfaces. In the operating rooms a high-quality, less fatigue and durable LED technology is used, the light is gently distributed in the room and offers the optimum light color and the right ambience for every mood. The importance of hygiene in operation rooms is underlined by the premium product of MEDglas HYCLEAN. A permanent antimicrobial coating provides lifelong protection against the colonization of dangerous, multidrug-resistant germs such as E. Coli and S. Aureus bacteria. The high-end material glass offers an unbeatable combina-

As hospital solutions provider, ACENDIS is pleased to take part in this project and contribute to the success of Al-Kindi Hospital.



tion of hygiene, safety and design. Besides these features, these operating rooms in Al-Kindi Hospital were individualized with selected pictures belonging to famous places connected with Dr. M. Khrais and his hospital on the glass walls.

ACENDIS has equipped the operating rooms of Al-Kindi Hospital with state of the art anesthesia products of our German partner Löwenstein Medical. In this project, we supplied the anesthesia workstations combining proven ergonomic design and hygienic concepts with high class technology thus providing optimum support for the operations. Additionally, we supplied ICU and NICU ventilators providing an artificial respiration platform of highest demands together with NICU heat beds and phototherapy systems.

Al-Kindi Hospital and ACENDIS are focused on success and growth and stand behind the idea of close and early collaboration. Thanks to our successful cooperation with Dr. Mohammad Khrais and his hospital management team we have the chance to contribute to the healthcare system of Jordan, ranked as the number one medical tourism provider in the Middle East and among the fifth in the world* (*World Bank).



SIMEON BusinessLine



- Low energy consumption and savings in electricity charges
- Saving in operating lamp consumption costs such as bulb, lampholder, transformer
- Saving in lamp sterilizable handle costs
- Cold light illumination
- Shadowless light beam
- Wireless camera

Excellent Illumination,
Unprecedented Use Comfort



Patented reflector technology



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Maximum Hygiene and Comfort with Our Innovative Modular Solutions for Operating Rooms

ACENDIS



One of our major hospital projects in which we applied our Modular Operating Room concept successfully is Al Kindi Hospital that is located in Amman, the capital city of Jordan. The full-fledged hospital that is specialized in bariatric laparoscopic operations stands out for especially patients from foreign countries. One of the most important features of this project is that the hospital has modular operating theaters equipped with full glass wall coverage and integrated digital features. In addition to these features, glass walls of operating theaters have a customized look as covered with pictures of famous places that are selected by Dr. M. Khrais, a leading surgeon in the field of laparoscopic and bariatric operations.

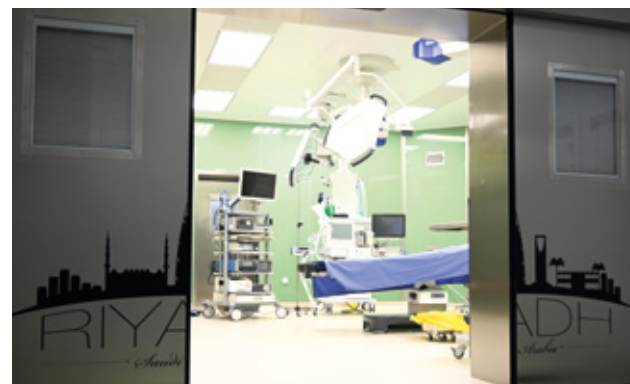


We take the pride to earn Dr. M. Khrais' trust for cooperating with us in this exciting project as our strategical partner with ACENDIS. We are pleased to share our experiences regarding modular operating theater concept and support you in your hospital projects.



As ACENDIS, we offer modular glass wall systems and customized designs for operating rooms with our modular operating room solutions that meet the needs of your hospitals.

We are pleased to offer you innovative solutions of MEDIK Hospital Design that we work with in this field. With our modular glass wall system solutions rather than bare wall surfaces, we can provide a comfortable and warm atmosphere for patients and health care personnel. Thanks to high-quality glasses that provide a permanent antimicrobial coverage, MEDglas HYCLEAN concept offers a life-long protection and maximum hygiene against microorganisms that are resistant to various medicines. On the other side, MEDglas Wall concept uses high-quality LED technology and distributes light across the room gently, thus provides the most convenient light color for each place.



Private Akdeniz Hospital, Our Brand-new Project with Great Elaboration and Excitement

ACENDIS



Private Akdeniz Hospital, our new project in Antalya is one of the leading hospitals which makes crucial contributions to the health sector of Mediterranean Region with its innovative infrastructure and advanced technological devices and modern architecture. Private Akdeniz Hospital located in Manavgat Antalya and started to provide service in 1993 and Private Bilgi Hospital started to provide service in 1999 were emerged and started to serve in a new hospital construction under the name of Private Akdeniz Hospital. The hospitals carried their relations with ACENDIS dating back to 1996 to today's world and preferred ACENDIS in their new project as well.



The hospital construction has 17,000 m2 closed area. The hospital with a capacity for totally 100 beds provides service with 30 intensive care unit beds and 4 operating rooms, an angio laboratory, emergency service, radiology, physical therapy unit, cardiovascular surgery center, laboratory and 38 polyclinics. Radiology unit has 1.5T MRI device, 128-slice tomography device and digital x-ray and mammography devices.

Advanced technological infrastructure and devices are used in the hospital. The hospital carries out environmental-friendly works and it generates some part of the electricity need by means of the solar panels on its roof. All of the patient rooms are for one and there are also suite and king suite private patient rooms. All lighting, electricity and ventilation systems of the hospital are controlled by an automation.

As ACENDIS, both medical consultation and turnkey project of this project has been realized by us. The estab-



lishment of the medical areas and the medical device infrastructure, and the medical gas project, the determination of the medical device needs according to the departments, the technical specifications of the devices to be purchased and the purchase activities, the logistics, assembly and service of the devices after purchases were also realized by us within the scope of these consultancy services.

As ACENDIS Team, we are proud to have contributed to the realization of this significant hospital project that combines innovative technology with its specialist physician staff and patient-oriented service understanding.



Rini Eye Surgery Tables

Ergonomic Designs



ACENDIS and Mikro Optik firm continue to present innovative products in ophthalmology. Comfort of the users and usefulness of the products are of priority for Rini company which provides ergonomic products and solutions for different treatment areas and is headquartered in Sweden. The company enables surgeons to work more comfortably by its ergonomic products in eye surgery and microsurgery.



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www.mikrooptik.com.tr

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Beykent University Hospital is Bringing a New Dimension to the Health Services

ACENDIS



Having been launched to provide education in İstanbul Beylikdüzü campus in 1997, Beykent University is one of the leading universities of Turkey that provide service in totally four campuses and in high standards with its 17.000 students and expert academic personnel.

The administration of Beykent University aims to be a pioneer in health care services by transferring its success in education and training and its knowledge and experience to the University Hospital.

Established in a closed area for 20.000 sqm in Büyükdere, the rising value of İstanbul became the rising value of the region by taking a strong step into the health sector with its strong infrastructure, expert staff and modern technology devices.



Beykent University Hospital catches attention with its advanced technological operating rooms in modern device investments.

Beykent University Hospital stands out with its fully equipped surgical and neonatal intensive care units. In these departments, innovative products that are developed by taking into consideration the maximum hygiene and ease of use are used.

Through all the features, the hospital has become the center of attention for both the local and international patients, and it significantly contributes to Turkey with its success in health tourism.

Beykent University Hospital brings a new dimension to the health service through its wide range bringing many branches under one roof, its patient-oriented service concept, its location that provides ease of transportation and modern device investments.

Besides, thanks to the heliport area, it brings a new dimension to the region in health with the possibility of land-



ding and taking off any air ambulances and helicopters. Beykent University Hospital was enabled to be established and operated with all departments swiftly thanks to the board of directors of the hospital contributed to the establishment of Beykent University Hospital, expert administrative staff and auxiliary staff, expert purchasing department with professional service understanding, and biomedical and mechanical team staff within the hospital.

As ACENDIS project team, we are very happy and honored to be with the hospital management and healthcare professionals from the medical planning of the project to the equipment supply, logistics, technical service support.



Health Base of Medicana Health Group in South Marmara: Medicana Bursa Hospital

ACENDIS



We are very proud and happy to reinforce our longstanding collaboration with Medicana Health Group with the project of Medicana Bursa Hospital project. We would like to thank to the management staff and healthcare personnel of Medicana Bursa Hospital which is one of the leading hospitals of Marmara region and its surrounding locations with its contributions to the health tourism for preferring ACENDIS.

Medicana Bursa Hospital, the 13th hospital of Medicana Health Group has been providing service in Bursa to the patients from surrounding provinces and abroad since 2017. Medicana Bursa Hospital provides healthcare services in world class thanks to its modern building, advanced technological devices, professional physician staff and expert healthcare personnel. We are very happy to work with Medicana Bursa Hospital which has become the health base of South Marmara within three years.



Patient and Patient Relative Oriented Hospital Concept

Using advanced medical technologies, Medicana Bursa Hospital can offer multidisciplinary, up-to-date and high quality treatment opportunities through its patient and patient relative oriented hospital concept.

In addition to the treatments of patients from Bursa and neighbor provinces, Medicana Bursa Hospital provides service for international patients who visit the hospital for diagnosis and treatment services. Thanks to this unit offering service in Arabic and English languages for international patients, patients can express themselves easily and supported during their treatment processes.

Modern Operation Rooms with Modular Operation Room Concept

With its operation rooms with glass wall system instead of bare wall surfaces, Medicana Bursa Hospital can offer more comfortable and warm operation room for its patients and healthcare personnel in addition to maximum hygiene.



Modern Intensive Care Units

Intensive care units of Medicana Bursa Hospital provides service with its 58-bed capacity and has 12 beds in the neonatal unit, 8 beds in the coronary intensive care unit, 7 beds in the KVC intensive care unit and 31 intensive care beds in the General Intensive Care unit.

These intensive care units are equipped with advanced technological infrastructure.

40.000 m2 Closed Area and Other Innovative Features

Medicana Bursa Hospital is located on a 40.000 m2 closed area. The hospital has been equipped with 300-bed capacity. The hospital has many units from Oncology to Brain Surgery, from Cardiovascular Surgery to Interventional Radiology.

With its expert healthcare professionals and equipped technical infrastructure, the hospital offers treatment along with a patient-oriented service understanding.





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