



Company Presentation

ESA Elektroschaltanlagen Grimma GmbH



The company

Company development

- 1992 the company was founded
- 2002 Expansion of production area to approximately 5.500m² for a purpose of development, management und manufacturing. Investement volume: 3 Mio. EUR
- 2008 Capacity further expansion to second production factory with CNC copper processing machine. Investment volume: 1,8 Mio. EUR
- 2012 Extension of administrative building and completion of a thrid production factory with sheet metal fabrication and powder coating manufacture. Investment volume: about 6 Mio. €

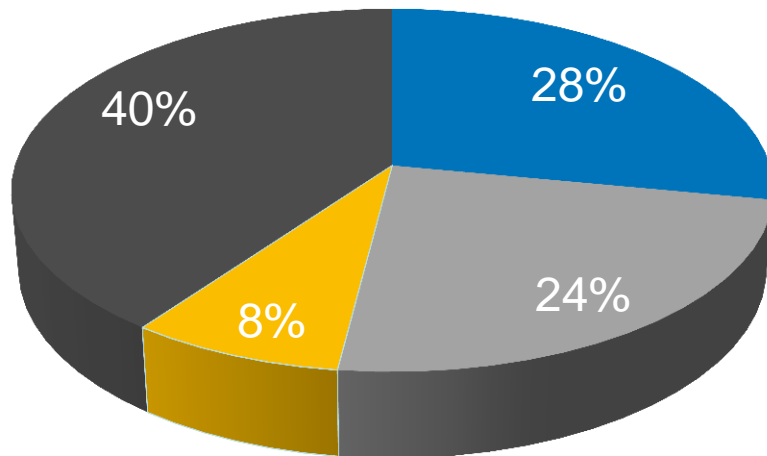
Annual turnover: app. 35 Mio. EUR
Employee number: app. 300

Our advantages

TÜV-approved certificates: ISO 9001 and SCC



Our business areas



- Low-voltage switchgears up to 7,400A, automation and control system for industry and technical building equipment, residual current monitoring system
- Complete power supply solution for hospital & medical equipment with the regulation and control system *HospEC*®
- Electrical point heating system & special power supply for rail traffic with the system *WHVI*®
- Automation und robotics

Hospital technology

- Regulation and control system *HospEC*[®] with patented solutions
- Low-voltage switchgear as the main-and building distribution supply for the entire hospital.
(General power supply and safety power supply changeover between two power systems – GS/SS)
- IT system distribution for the supply of medical loations
(insulations monitor, transformer, temperature and load monitoring, insulation fault detection system)
- Annunciator and control panel for signaling and opeartion
(eg. Display and fault messages, triggering of test functions, OP- table controls, lighting- und climate control)
- Communications between all the components via standard fieldbus (CAN) (compatibility with third-party systems)



Hospital technology

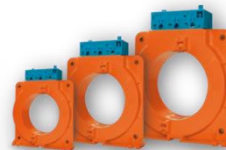
Products examples

- IPS-ICU-710 IT system distribution board
- IFS – Insulation fault detection system
- RCM Residual and operational current monitoring system
- MPM Lighting control
- BSV- Battery-backed central power supply system



Research and development

- Residual- and operating current with web-based monitoring system *WebVisEC*[®]
- Multi-channel monitoring devices RCM for the detection of residual and operating currents
- Pole-sensitive residual current detection RCM AB with the appropriate links to different control system
- Control and regulating devices for electrical point heating system





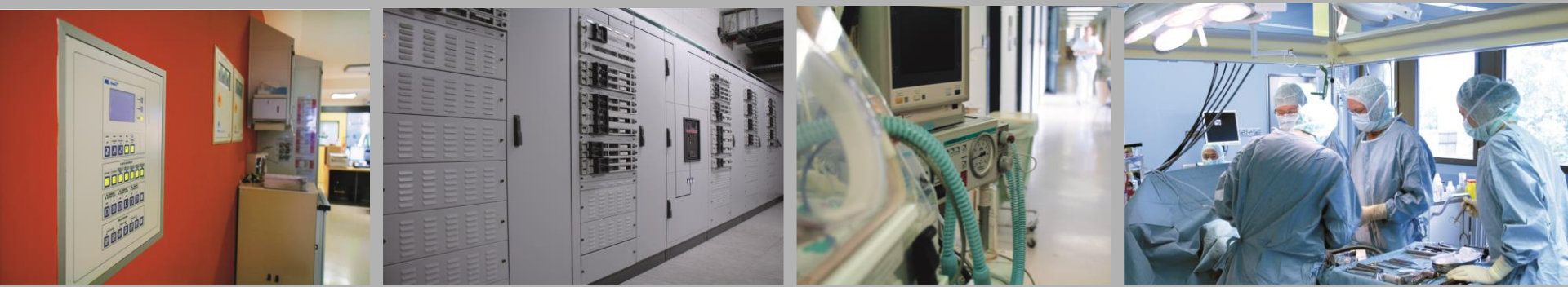
Hospital technology

References

Helios Klinikum Berlin-Buch

Order volume: 1,5 Mio. €

- app. 800 Beds at the present stage of development
- Execution of all sub-distributions with cabinet system GIV
- Use of the regulation and control system *HospEC*[®] 82 IT system power distribution for the supply of medical location, complete configured with Insulation fault detection system
- 75 Annunciator and control panel for signaling and operation
- Lighting control in OP-Rooms und public areas with separate CAN bus
- On site lighting control for key areas (with full automatic function)
- Connection of medical gases / other equipment



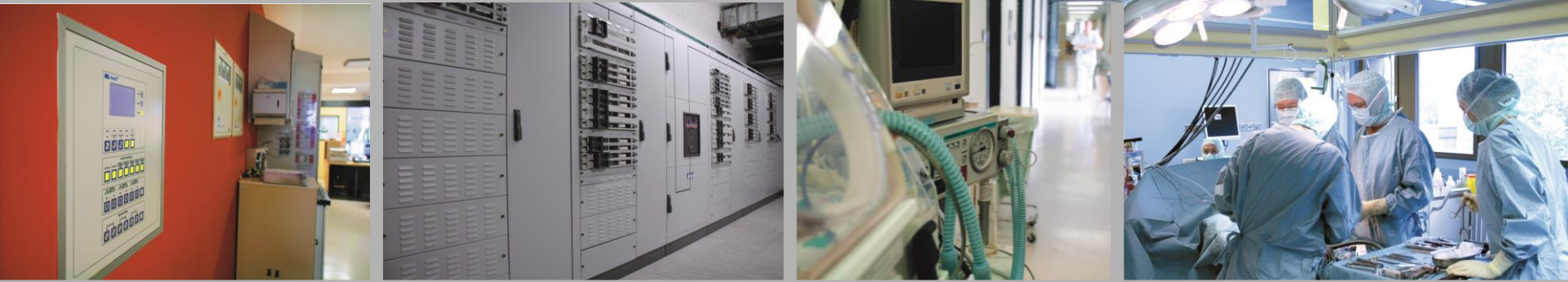
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References

Klinikum Minden

Order volume : 1,6 Mio. €

- app. 864 Beds
- Low-voltage switchgear as the main- and building distribution
- Sub-distributions (GS/SS) with cabinet system GIV
- Use of the regulation and control system *HospEC®*
- IT-System-distribution, complete configured with insulation fault detection system
- Annunciator and control panel for signaling and operation
- Lighting control in OP-Rooms und public areas with separate CAN-Bus
- Battery-backed central power supply (BSV)



Hospital technology

References

Astrakhan, Krasnodar Penza, Cheboksary
in the Russian Federation

Order volume: 1 Mio. €

Delivery and commission:

- Low-voltage swichgear as main- and building distribution up to 6300 A, general power supply
- IT-System distribution for medical loations
- Sub-power distribution
- Signaling- and operation panel systemen

Services

Construction

- Configuration or technical preparation for your project

Engineering

- Consulting and support at the beginning of your investment decision
- Planning or technical support for your specific project
- Short circuit- and selectivity calculation
- Network- and load analysis
- Programming of control systems/ robots

Installation- and Commissioning

- Construction and installation of our equipment
- Complete on-site commissioning

Service and Training

- Provide Hotline service for all of our products
- Repair services and maintenance
- Training of products and systems



German branch offices

Headquarter

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Industry agencies world wide



Budapest, Ungarn



Glogów, Polen



Warszawa, Polen



Istanbul, Türkei



Leeds, Großbritannien



DUBAI U.A.E.

NATRONIC

International Inc.

CHINA

Shanghai, Peking



Vietnam

Sigma Vietnam Systems

Hanoi, Vietnam





Presentation - End

Thanks for your attention!

Impressions der ESA Elektroschaltanlagen Grimma GmbH

