



knürr
World of control rooms

ENERGY SECTOR

INTEGRATED 24/7 ENERGY CONTROL CENTRES

FOR GRID MONITORING AND CONTROL,
POWER STATIONS AND CRITICAL AREAS



RELIABLE GRID OPERATION – STABLE PLANT OPERATION – CLEAR DECISIONS IN 24/7 OPERATION

Whether it's a grid control centre, a power station control room or a central operations centre: in the energy sector, information from control systems, communications, visualisation and safety systems must be clearly accessible at all times. Knürr develops control room solutions that consistently combine operator ergonomics, technology integration and operational safety.



Grid control centres and grid control stations

To monitor and control electricity, gas and heating networks, network operators require control rooms that enable them to quickly grasp complex operational conditions and support sound decision-making.

Knürr offers:

- System workstations designed for long-term use, individually tailored to the plant design, operating logic, shift patterns and layout.
- Ergonomic 24/7 operator workstations with large-scale visualisation.
- Integrated KVM and signal technology.

This results in control centres that remain clear, reliable and scalable, even when dealing with large volumes of information.

Power station control rooms and plant operations

Power station control rooms bring together process control, plant monitoring and safety-related information. Robust workstation systems, clear operating structures and reliable integration of the technical infrastructure are crucial.

Knürr offers:

- The technology-friendly design facilitates maintenance, expansion and modernisation whilst the system is in operation.
- Structured cable and heat management.
- Easy access to the technical components for servicing.



Remote Operations Centre for Renewable Energy

Wind farms, solar farms, storage facilities and hybrid power stations are increasingly being monitored and controlled centrally. This requires control centres that clearly display various data sources, fault reports and operational metrics.

Knürr offers:

- Scalable workstations for growing plant portfolios.
- Modular control room solutions for centralised and decentralised operating models.
- Intuitive user controls for KVM signal management, workplace ergonomics, lighting and other integrated systems.

Security and operations centres for CII sites

Energy infrastructure must not only be operated, but also protected. Security control centres consolidate information from access control, CCTV, fire alarms, intruder alarms, risk management and technical monitoring.

Knürr offers:

- A single point of contact for control room workstations and ancillary equipment.
- Tailored solutions rather than off-the-shelf approaches.
- Reliable control room environments with a redundancy concept.



KNÜRR AS A TOTAL SOLUTIONS PROVIDER FOR ENERGY CONTROL ROOMS

Knürr supports operators from the initial analysis right through to a fully operational control room solution. We combine ergonomic workstation planning, bespoke design, technical integration and long-term service to create a comprehensive solution designed for **24/7 operation**, **operational reliability** and **future expandability**.

OUR RANGE OF SERVICES FOR ENERGY:

-  **ANALYSIS & ERGONOMIC WORKSTATION DESIGN**
-  **CUSTOM DESIGN AND MANUFACTURING**
-  **INTEGRATED WORKPLACE SOLUTIONS**
-  **VISUALISATION AND LARGE-SCREEN WALL INTEGRATION**

-  **KVM, POWER AND SIGNAL MANAGEMENT**
-  **THERMAL AND CABLE MANAGEMENT**
-  **INSTALLATION, COMMISSIONING AND DOCUMENTATION**
-  **SERVICE, MAINTENANCE AND UPGRADES**

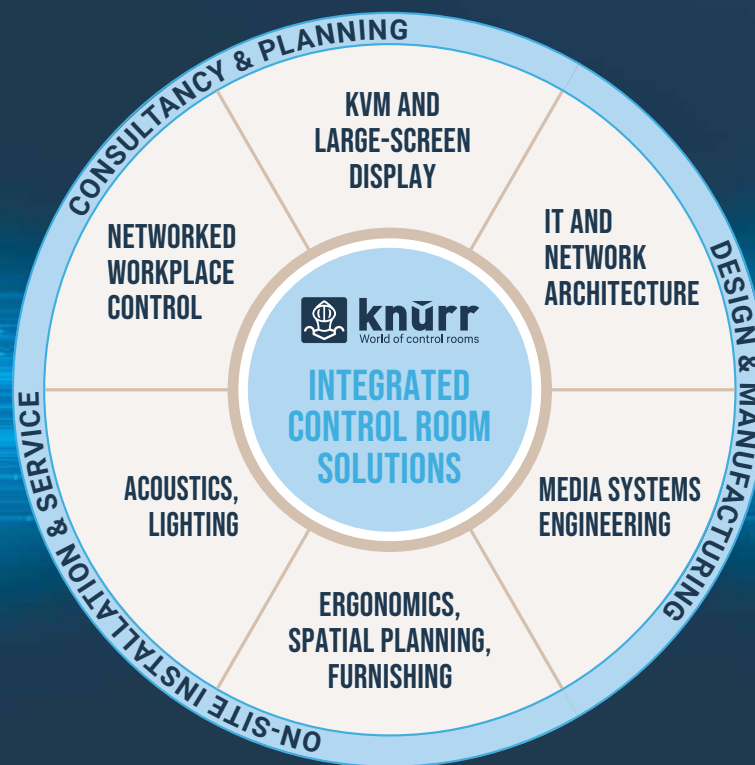


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INDUSTRY EXPERTISE

WHETHER IT'S A GRID CONTROL CENTRE, A POWER STATION CONTROL ROOM, A REMOTE OPERATIONS CENTRE OR A CRITICAL INFRASTRUCTURE SECURITY CENTRE – KNÜRR DEVELOPS CONTROL ROOM SOLUTIONS THAT MAKE TECHNICAL COMPLEXITY MANAGEABLE.

AS A FULL-SERVICE PROVIDER, WE CREATE INTEGRATED WORKSTATION SYSTEMS TO FORM A COMPREHENSIVE SOLUTION FROM A SINGLE SOURCE.



CONTACT:

Knürr GmbH
Tel.: +49 8723 28 0
info@knuerr.com

knuerr.com | Knürr GmbH, Mariakirchener Straße 38, 94424 Arnstorf, Germany ID-Nr. DE 363797731

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