



knürr
World of control rooms



AVIATION

INTEGRATED WORKSTATION SOLUTIONS

AVIATION

OUR CONTROL ROOM SOLUTIONS ENSURE MAXIMUM VISIBILITY, SAFETY AND AVAILABILITY – FROM CIVIL AND MILITARY AIR TRAFFIC CONTROL TO THE MANAGEMENT OF COMPLEX SPACE MISSIONS.



Air and Space Traffic Control

Control centres for safe air traffic management and space surveillance:

- Approach and area control (TWR / APP / ACC)
- Ground control & airport surveillance
- Remote tower control
- Space operations centers (MCC, SCC, TT&C)

Knürr provides:

Knürr supplies fully integrated Air Traffic Control Officer (ATCO) workstations – from planning through to operation. Maximum ergonomics, seamless technology integration, and integrated cooling ensure reliable performance. Full workplace monitoring ensures complete control, 24/7.



Airport and Spaceport Operations

Operational ground control – from the apron to the launch pad:

- Apron control & A-CDM
- Spaceport control & launch operations
- Facility & terminal monitoring

Knürr provides:

Flexible control room solutions with multi-monitor setups, video wall integration and future-proof IT infrastructure.

Training & Simulation

Simulation and training facilities for controllers, crews and mission staff:

- ATC and space simulation centers
- Human-in-the-Loop (HITL) labs
- Crisis management and mission preparation

Knürr provides:

Customizable simulation workstations with flexible layouts, high ergonomics and seamless system integration.

Security & Emergency Management

Control centers for airport security:

- Security control centers & EOCs
- Access control, video surveillance
- Fire brigade and incident response
- Situation centres / Situation centre

Knürr provides:

Robust emergency workstations with redundancy concepts, intuitive user interfaces and reliable power and data supply.

Operations and Mission Centers

Centralized control and analysis in aviation organizations:

- Airport Operations Center (APOC)
- Space agencies & research institutions (e.g. ESA, DLR, NASA)
- Data analysis & spaceport control

Knürr provides:

Sustainable, high-performance workstations for monitoring, analysis and coordination – scalable and designed for long-term use.

WE HAVE SOLUTIONS

OUR SOLUTIONS NOT ONLY INCREASE THE EFFICIENCY AND OPERATIONAL RELIABILITY OF YOUR CONTROL CENTERS BUT ALSO ENSURE AN ERGONOMIC AND SUSTAINABLE WORKING ENVIRONMENT. BENEFIT FROM OUR DECADES OF EXPERIENCE, FIRST-CLASS ENGINEERING, AND INNOVATIVE TECHNOLOGIES.

OUR SERVICES:

 **INTEGRATED WORKSTATION SYSTEMS**

 **VISUALISATION AND LARGE-SCREEN DISPLAY SOLUTIONS**

 **KVM, POWER & SIGNAL MANAGEMENT**

 **THERMAL & INFRASTRUCTURE MANAGEMENT**

 **DESIGN, MANUFACTURE, INSTALLATION & COMMISSIONING**

 **LIFECYCLE SERVICE, MAINTENANCE**



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INDUSTRY KNOW-HOW

**WHETHER AVIATION, DEFENCE, PUBLIC
SAFETY OR INDUSTRY – OUR SPECIALIZED
SOLUTIONS ENSURE MAXIMUM OPERATIONAL
SAFETY, EFFICIENCY AND ERGONOMICS – PRECISELY
TAILORED TO YOUR SECTOR.**

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