



"Nothing goes undetected"

VIDEO MANAGEMENT SYSTEMS **to meet the needs of** **all nuclear power plants**

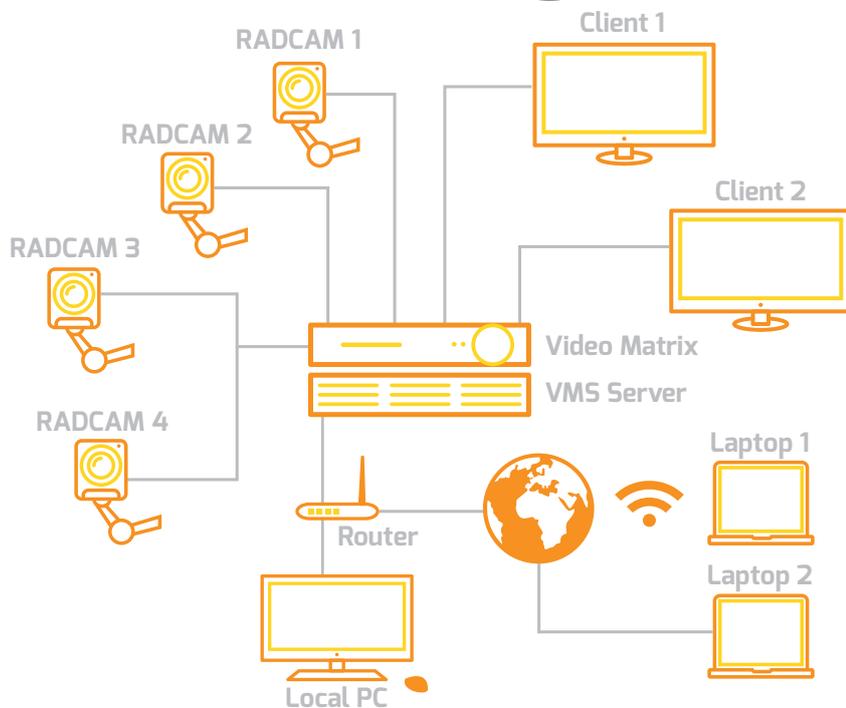
ISEC Systems allow the operator to securely monitor all activities, and to view critical equipment inside and outside of the containment area with RADCAM. This provides real-time video and audio data at hand for 24/7/365 decision-making.

From drawing board to control room, ISEC designs, manufactures and supplies to Nuclear site complete turnkey CCTV systems of any type or complexity levels.



ISEC
MONITORING SYSTEMS

24/7/365 monitoring



Provides Early Warning System

The system provides audio and video data from all available cameras in the plant. A vibrating pump, or a steam leakage are immediately seen on-screen.

Decision-Making Support

The better the decision basis, the better the decision. Having correct real-time video and audio data at hand promotes wise and correct decision-making.

Protects Investment

Having an early warning system and the decision-making support of ISEC systems helps protect the investment of the plant. Maintenance activities can be planned more effectively, and possible upcoming equipment failure can be attended to, before additional costs are incurred.

Decreases REM Exposure

Decreasing REM exposure is always high on the agenda. Viewing critical equipment remotely allows inspections to be performed without the need of sending personnel into irradiated areas. Thanks to the modular design of ISEC's RADCAM, any servicing can be done in minutes, also contributing to lower REM exposure. True ALARA support.

Increases Efficiency

Unplanned outages are always unwanted, but hard to avoid altogether. Having an unplanned outage, only to discover that the issue could have been handled at the next planned outage, is costly. With ISEC systems, better analyses can be done during production, and unnecessary stops can sometimes be avoided.



RADCAM[®] CCTV SYSTEMS



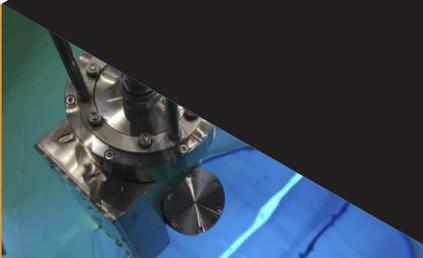
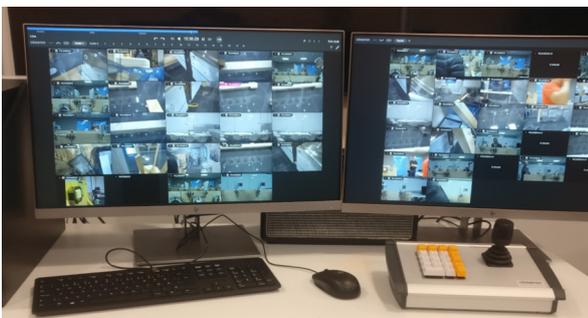
Typical scope of services

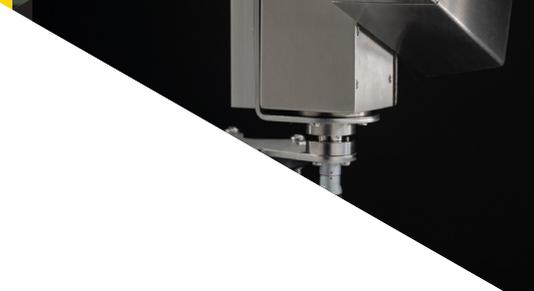
- **Design services** (system architecture, detailed design documentation, electrical /mechanical drawings, cabling program, etc.)
- **Project Management** (contract management, project coordination, planning, QA management, etc.)
- **System manufacturing and testing** (as built documentation, Factory testing process, adjustments, etc.)
- **Packing/Delivery** (packing of equipment, shipping documentation, shipping to site, etc.)
- **On-Site services** (installation, commissioning, department training, etc.)
- **Service level agreements** (Maintenance contract, Spares supply contracts, etc.)



Typical scope of delivery

- **Industrial Camera** (RADCAM and other brands)
- **19" racks with network equipment** (switches, servers, power distribution, encoders, etc.)
- **Operator workstation** (PC, screens, Joysticks, etc.)
- **Infrastructure equipment** (Cabling, Junction boxes, Wi-Fi network, etc.)
- **Special accessories** (brackets, shielded enclosures, etc.)





Special Designs and Solutions

Because each nuclear installation is unique, ISEC adapts and develops special customisation of its CCTV systems and products to best serve end-users needs.

- **Tailor-made Radcam accessories**
- **Tailor-made nuclear CCTV accessories**

Services, Support and Maintenance

ISEC continuously supports its customers, systems operators and products users to ensure full reliable and future-proof camera-based decision systems and processes.

Maintenance and long term spare part management

ISEC supports its customers and CCTV systems through:

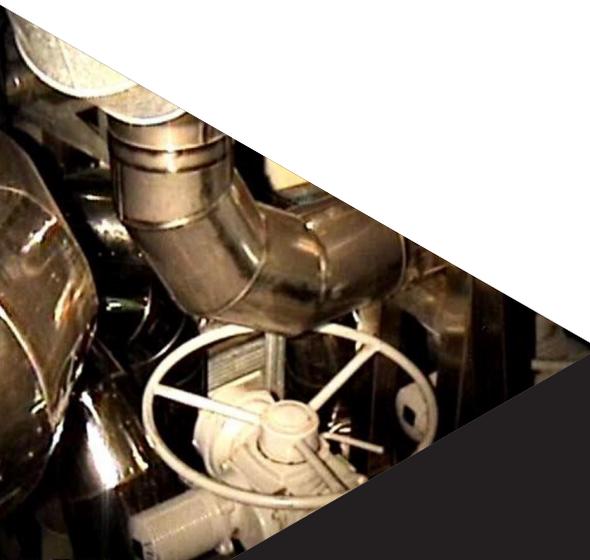
- Comprehensive maintenance support
- Long term spare part availability guarantee
- Obsolescence management
- CCTV upgrade management

After sales support

ISEC experts are always reachable for after-sales questions or troubleshooting.

Hotline agreement can be set up for critical CCTV systems.

ISEC also trains and supports its local partners to ensure that any customer always has a point of contacts locally available for them call in for any queries.



ISEC
MONITORING SYSTEMS

ISEC Monitoring Systems AB
Diabasgatan 12 | SE-254 68 | Helsingborg | SWEDEN
SB: +46 42 334 800 | www.isec.se

The innovative,
cost-efficient choice
in nuclear monitoring
systems