

Powering Integrated Operations for Nuclear Energy and Beyond



This innovative digital ecosystem has significant implications for nuclear power plant operations, radiation safety, and overall industry efficiency.

What is the Vital® Platform?

The Vital Platform is a powerful new software solution for nuclear power plant operations that provides a unified view of radiation safety instruments and data, thereby driving integrated operations while enhancing radiation safety and overall efficiency.

Key benefits:

- **Data Integration and Real Time Monitoring:** Real-time tracking across systems enables faster, proactive responses.
- **Regulatory Compliance and Reporting:** Automated, standardized reporting simplifies regulatory alignment.
- **Operational Efficiency and Cost Reduction:** Streamlined workflows cut time, reduce errors, and lower costs.
- **Security and Risk Mitigation:** Access controls and cybersecurity safeguard sensitive data.
- **Facilitating Advanced Analytics:** Detailed data helps predict risks and improve decision-making.
- **Scalability and Future Proofing:** Modular design supports growth and adapts to change.

Initial Application: Vital Supervision

Vital Supervision simplifies the collection and analysis of data from a wide variety of radiological instruments, ensuring safety and efficiency.

Key Features:

- Maps
- Device Details & Data
- Alarm & Event Notification
- Remote Operation of instruments

More Information on the Vital Platform

Launch Date: July 21, 2025

Target Markets: Nuclear Power Plants, Advanced Nuclear Initiatives

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"This digital offering represents a significant leap forward in radiation safety and management and is driven by demand for a comprehensive, transformative solution tailor-made for critical environments."

Thomas Logan, CEO of Mirion

About Mirion

Mirion is a global leader in radiation safety, science and medicine, empowering innovations that deliver vital protection while harnessing the transformative potential of ionizing radiation across a diversity of end markets. Focused on nuclear and safety, the Mirion Technologies group is committed to powering advancements in nuclear energy through proven radiation safety technologies and expertise. Dedicated to driving better patient outcomes, the Mirion Medical group is focused on improving quality in cancer care through its broad range of solutions that enhance the delivery and ensure safety across the medical landscape. Headquartered in Atlanta (GA – USA), Mirion employs approximately 2,800 people and operates in 12 countries. Learn more at <https://www.mirion.com/>.