

CUSTOMER CASE STUDY

REAL TIME VISIBILITY FOR SAFER NUCLEAR OPERATIONS

In a European nuclear facility, operators needed real time awareness of thousands of safety critical work orders. Information was spread across SAP PM, OSIsoft PI, and engineering drawings, making it difficult to detect work conflicts or understand safety impacts.

Assai Viewport brought maintenance, process, and engineering information together in a governed visualization platform, giving operators and engineers a clear view of ongoing work, affected systems, and potential risks. This enabled faster decisions and safer maintenance planning across the facility.

CHALLENGE

Managing large volumes of maintenance activities in a nuclear facility created blind spots and safety risk.

- Work information spread across SAP PM, OSIsoft PI, and engineering drawings
- Limited ability to detect simultaneous work that could create safety conflicts
- Manual checks required to correlate work orders and permits
- Lack of real time visibility into affected systems and maintenance impact

The operator needed a solution that could bring maintenance and plant information together and support safer, more informed decisions.

RESULT

Area	Outcome
Active work orders visualized	3,500+
Linked P&IDs	1,400
Tagged items connected	300,000+
Primary benefit	Improved insight & safety



THE ASSAI SOLUTION

Assai Viewport was implemented to provide a live operational view of maintenance activities. The platform connected SAP PM, OSIsoft PI, and engineering documentation, allowing teams to see real time plant status linked to P and IDs. This replaced manual checks with a governed environment that keeps information synchronized and available to every operator and engineer.

Key capabilities:

- Real time connection to SAP PM and OSIsoft PI
- Live visualization of work activities on P and IDs
- Automatic recognition of tags and equipment items
- Cross system access to maintenance and engineering information
- Immediate insight into simultaneous work and safety risks

PROJECT INSIGHT

Assai Viewport delivered a single trusted operational view that improved coordination and enabled safer, data driven maintenance planning.

STRATEGIC VALUE

By bringing maintenance, safety, and engineering information into one governed environment, the operator gained continuous situational awareness and reduced the risk of conflicting work.

Assai Viewport now serves as the digital foundation for operational awareness and reliability improvement across its nuclear assets.

“Viewport gave us real-time confidence in maintenance planning and safety oversight,” — Shift Manager, Nuclear Operations.