The Nuclear Outage Planning and Analytics (OPA) software solution is designed to maximize the outcome of the entire nuclear refuel outage process - planning, scheduling and execution. This powerful software was designed by outage experts in the nuclear industry providing a single view of the health of the outage process enabling cross functional teams to collaborate and focus on what matters. OPA provides the reliable data the entire plant can depend on and is deployed in an export control (EC) compliant platform to meet the regulations of the industry.

Nuclear OPA was developed to leverage data providing visibility in a simple manner to provide decision makers with the best possible information to move past opinions and directly to the data to make the best possible decisions.

Nuclear OPA replaces existing dashboards, power-points, and spreadsheets with a single source of truth for planning, scheduling, and executing an outage. The cross functional team focuses on what matters not massaging the data.

**Rigorous Preparation - Planning Module**
Assess the quality of outage readiness with near real-time monitoring of key milestone indicators

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Nuclear Outage Planning and Analytics

Nuclear OPA provides you with the dashboards and linked details to assess the quality of your outage readiness with near real-time monitoring of key milestone indicators. While this type of monitoring activity is conducted today the data often has to be manually integrated. Nuclear OPA eliminates the manual integration and provides the familiar views to which you are accustomed, and the software solution is built to industry guidelines for the conduct of outages at nuclear power plants.

With all of the information and data in one location, all outage leaders and personnel have visibility to the highest risks. Action owners and leaders will know where to focus their time and attention to prevent problems.

Comprehensive Insights- Scheduling Module
Identify potential schedule risk and improve decision making

The objective of the scheduling features is to evaluate schedule status using quality analysis to identify potential schedule risk early on (T-9), assess the likelihood for schedule accuracy, and improve schedule reliability.

The Schedule Score Report provides the overall schedule health indicator derived from 14 schedule indicator cards. These indicators highlight common schedule development pitfalls that can otherwise be difficult to identify. Driving toward a perfect Schedule Score of 100 will reduce the risk of a logic-driven bow wave. In addition to providing all of the standard schedule views such as critical path, system, discipline, and schedule window all in one place – Nuclear OPA also provides a comparison to historically similar outage schedules to help identify potential productivity issues or unachievable completion rates.

With a simple click of the mouse detailed workforce utilization information is available align to labor, tools, and materials within the availability of the limited resources to maintain consistent workload. These are powerful insights immediately available to your leadership team.
Improved Decision Making - Execution Module
Analytics to help you meet your plan

The execution features of the software allow you to monitor outage task performance, increase visibility of emergent issue identification and tracking, and increase visibility of outage schedule performance indicators.

The Execution Overview dashboard tracks the state of the outage and provides tools to the decision makers daily during an outage. This is a powerful integration of many dynamic data points to provide leaders with accurate information to make the best decisions with the latest data.

An example of the powerful analytics in this module is the Go Coded Activities with Impact Score. Go Coded Activities are activities whose predecessors have all been completed and they are ready to be picked up and worked. OPA performs an analysis on each Go-Coded activity's successors to determine which activity has the highest impact downstream. By choosing to work on the highest impact activities, outage leaders can find the most efficient path through the outage to avoid a bow wave. This is just one example of a predictive insight that the average human brain cannot process.

This is the power of a digital solution such as Nuclear OPA.