SmartPlant® Enterprise For Owner Operators Core Solution

The SmartPlant® Enterprise for Owner Operators (SPO) Core Solution includes preconfigured work processes that are relevant throughout the complete plant lifecycle. SPO Core provides rapid access to key information within the engineering design basis via multiple search mechanisms and navigation paths. This reduces the time needed to gather necessary information and ensures all relevant information is readily available to facilitate quicker and better decision-making. The solution provides common work processes and is a prerequisite for other SPO solutions:

- **SPO Project Execution**

- **SPO Operating Plant**

- **SPO Systems Completion**

- **SPO Requirements Management and Traceability**

The following work processes and capabilities are included in SPO Core:

Plant and Work Breakdown Structures

Establishing the plant breakdown structure (area, unit, system, discipline, etc.) is a fundamental activity to manage the design basis of any plant. Managing the work breakdown structure by definition of work packages is a critical part of managing activities such as engineering, construction, and procurement for CAPEX and OPEX projects.

These capabilities facilitate the navigation of data via the plant breakdown structure and work breakdown structure by work packages.

Tag Management

The consistent and accurate allocation of tag numbers in accordance with the plant engineering numbering system – in addition to the capture and maintenance of design properties in tag register – are essential activities during all phases of the plant lifecycle.

The centralized allocation of tag numbers in accordance with a pre-defined engineering numbering system ensures correct and consistent numbering. It also provides a central tag master record for maintenance of tag register data and exchange of tag details with design tools.

Document, Transmittal, and Dossier Management

The effective and consistent management of documents with auditable traceability is essential to demonstrate regulatory compliance and manage the vast numbers of documents that describe a complex process facility. During development projects, revamp projects, and turnarounds, the allocation of document numbers and workflows to review and distribute documentation to relevant stakeholders is a critical process. SPO Core addresses the needs of both projects and operations for document management and transmittals.

SPO Core features a comprehensive set of work processes, including:

- Central allocation of document numbers
- Capture of document metadata
- Managing document revision and version history
- File archiving
- Distribution and review
- Subscription
- Check-in and check-out
- Online approval

Documents can be linked to the plant or work breakdown structures, tags, reference documents, contracts, disciplines, and more.

To facilitate flexible retrieval, the solution offers many alternate ways of locating documents based on whatever information the user knows, such as document name, relation to elements in the plant hierarchy, related tags, models, or combinations of multiple search criteria. Full Text Retrieval (FTR) on the content of documents is also available. The transmittal business package offers preconfigured processes for managing incoming, outgoing, and internal transmittals, including definition of standard distribution matrices to ensure consistent distribution.

Plant owners and their contractors and suppliers have to create and maintain many complex, compiled documents such as system operating manuals, vendor data books, fabrication record books, and systems completions dossiers. The electronic dossier capability in SPO Core enables you to manage structured documents where they can be linked to a hierarchy of chapters and sub-chapters. Documents are presented in sequence as they would in a physical compiled document.

Model, Asset, and Manufacturer

SPO Core enables you to manage standard manufactured materials as identified by a manufacturer's model/type reference, individual serialized equipment (assets), and associated documentation. Both model/types and assets may be related to the plant design (tags) to reduce the variation of plant materials and spares and to enable material traceability. Managing manufacturer catalog documentation against model/types and assets can significantly reduce the volume of vendor package documentation and simplify the administration of documentation during operations.

Risk-Reducing Measures

SPO Core offers a process for the tracking and management of all risk-reducing measures to mitigate risks identified for a plant, including identification of causes, consequences, mitigating measures, and costs. The risk-reducing measures work process ensures consistent handling with auditable traceability, reducing risks to ALARP/ALARA (as low as reasonably practicable/as low as reasonably achievable) levels as required by health and safety regulations and legislation.

Action and Issue Tracking

SPO Core manages the thousands of actions and issues that owner operator project teams and operating facilities must tackle each year. Actions and issues can be linked to tags, documents, the plant breakdown structure, or work packages and items in other SPO solutions, such as changes and non-conformities, to enable fast location. The capture and resolution is managed through a simple workflow ensuring traceability and identification of bottlenecks.

Plant Data Loading

Simple, bulk loading of data into SPO via pre-configured, templated Microsoft® Excel load files is provided by SPO Core. A more comprehensive solution for loading and validation is also available separately.

About Hexagon

Hexagon is a global leader in sensor, software and autonomous solutions. We are putting data to work to boost efficiency, productivity, and quality across industrial, manufacturing, infrastructure, safety, and mobility applications.

Hexagon's PPM division empowers its clients to transform unstructured information into a smart digital asset to visualize, build and manage structures and facilities of all complexities, ensuring safe and efficient operation throughout the entire lifecycle.

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 20,000 employees in 50 countries and net sales of approximately 3.9bn EUR. Learn more at hexagon.com and follow us @HexagonAB.