SmartPlant® Enterprise for Owner Operators Operating Plant Solution

The SmartPlant® Enterprise for Owner Operators (SPO) Operating Plant Solution builds on the SPO Core Solution and provides business packages supporting common, critical work processes for the operating plant.

Management Of Change For Operations

Maintaining the accuracy of essential plant engineering, maintenance, and operations information is crucial to safe and efficient plant operations. Traceability of plant changes and auditability of the management of change (MOC) process is essential to demonstrate compliance with regulatory requirements. We've designed the Management of Change for Operations business package to provide rigorous MOC of engineering information with full traceability and audit trail.

This solution supports the synchronization of information between the engineering design basis in SPO and other third-party systems such as computerized maintenance management systems (CMMS) to provide ensured consistency. This is important to ensure all maintainable equipment is captured and has an appropriate maintenance plan and that change in the design basis for equipment is reflected in the CMMS to ensure correct purchase of replacement equipment and parts.

When tags are created, updated, or terminated in the design basis, the synchronization mechanism triggers an automated creation, update or delete of the corresponding functional location (FLOC) in the SAP PM system. Likewise, where equipment is installed or replaced against a functional location in the SAP PM system, a process will trigger an update of corresponding tag in the selected Hexagon PPM information management system. An additional feature of the interface which can be optionally implemented is an asset information link that provides an add-on to SAP FLOC master data form. This allows SAP users to easily view a list of associated engineering documents in the Hexagon PPM database from within the SAP form. From this list the SAP user can easily navigate to view the document or navigate its relationships using Hexagon PPM's info map, all without leaving the SAP system. For further details refer to the HxGN SDx® Connector for Plant Maintenance solution sheet.

The MOC process includes the review, authorization, design, engineering, approval, and confirmation of implementation and incorporation of as-built updates. It also addresses the process of notifying maintenance to perform changes by optionally creating notification records in the plant maintenance system. You can also perform the impact assessment of engineering change. During the planning of engineering change, plant engineering must anticipate the MOC implications of planned plant change. The Web portal will assist you in assessing the plant items affected. The linking of affected plant items to changes also facilitates the assessment of change impacts with other ongoing or pending changes.

Inspection Assistant

The Inspection Assistant business package is designed to assist plant owners to meet increasing regulatory demands for demonstrable compliance with requirements for equipment inspection. The business package manages the scheduling of equipment inspections, capture of inspection results, and follow-up of punch items.

The process is aided by the workflow to provide auditable traceability of the entire process. For each inspection, multiple inspection check sheets are generated, one for each inspection point. These inspection check sheets can be completed in the field on hand-held PCs, then uploaded to SPO when returning to the office.

Plant Information Browser

The Plant Information Browser business package provides seamless access to plant design data and documentation via a common, intuitive, role-based Web portal. Data is available via drill-down of the plant structure, structured queries, or from 2D/3D graphical navigation of the plant. Enjoy access to engineering data and selected data in SAP EAM.

Hexagon PPM recognizes that many different roles are required to achieve successful plant operations. Each role has its own need to access information. The SPO portal supports these various roles and their needs to quickly and easily access information to efficiently perform their tasks. A maintenance engineer can seamlessly access data in the SAP maintenance system and engineering design basis and then interrogate the system by functional location or equipment number. A plant engineer can use a tag number to access design data, data from SAP, data from the DCS, and plant historian.

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.