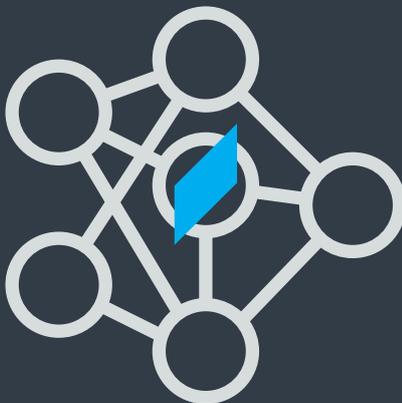# MDO
EAM EPC WITH CFIHOS

MDO Data Management with Engineering , procurement and construction contractors (EPC) WITH CFIHOS

The MDO Data Management for EPC helps to extend master data governance for your maintenance data with a collaborative approach with your contractors. The project to operations handover has always been a challenge as there is a lot of important data that needs to be exchanged during handover, which are both structured and unstructured.

The ISO15926 standard for data integration was one of the standards that was tried to established. It provided a strong baseline for other standards to develop and CFIHOS (Capital Facilities Information Handover Specification) is now becoming an established standards for capital projects handover.

CFIHOS

In 2012, Shell approached Netherlands-based process industry organization USPI to explore turning their corporate information standard into an industry-wide standard. The result was the CFIHOS (Capital Facilities Information Handover Specification) project. The CFIHOS is an industry standard developed to improve how information is exchanged between the companies who own, operate, and construct equipment for the process and energy sectors. Starting with a common equipment naming taxonomy and supporting specifications, its goal is to become a common language for the exchange of information in these sectors. The Reference Data Library or "RDL" lies at CFIHOS' heart. This library gives a standard and unified naming convention for equipment, its attributes, disciplines, and documents. Version 1.4 of the CFIHOS RDL includes:

- A list of classes for Tag and Equipment (what the equipment does and what it is)
- A list of properties (attributes, measures, characteristics etc.)
- Lists of requirements by class (data and document requirements)
- Standard unique coding of data to facilitate digital design and other workflows
- A list of document types
- A list of disciplines

MDO CFIHOS for SAP Plant Maintenance

The MDO EAM CFIHOS Solution for SAP will ensure that we have a CFIHOS layer that is embedded as a part of all the key master data and their attributes for plant maintenance. The classification data for the tags will be in sync with the SAP Classification system and all asset data that are handed over will follow the similar standard.

This will allow all your Engineering Contractors to send data based on these standards both electronically and using the MDO interface layer. The future maintenance of data will also use the same standard and classification system.

The implementation of these standards will have 2 key phases.

- Definition or improving the current data, mainly in the classification areas that will align with the core equipment and location data. This will include initial cleansing and setting up these standards.
- Ongoing Maintenance – All EPC Contractors will have MDO interfaces to maintain these data as per the standards, they can even upload data or interface them electronically. This will be also available for the internal users. The data will be mapped based on the customer data standards and the governance process will help to validate and integrate data into SAP.