### Data and document integration management (DDIM)

The integration of asset data with technical documentation is one of the key areas to improve asset management performance. Integration management goes hand-in-hand along with asset lifecycle, wherein documents generated at each phase of the asset lifecycle—from conceptual designs to decommissioning stages—are captured, categorized and maintained in a controlled environment.  This data integration will substantially improve management of engineering design changes and also facilitate documents requirements during regular and emergency maintenance.

Hofincons’ DDIM easy-to-use tool can address data–document integration requirements for leading ERP/CMMS such as SAP, Maximo, JD Edwards, Pacer, etc.

The tool has the following capabilities:

**Data warehousing**: A central repository to capture vendor documentation, material related information, test certificates, engineering documentation, 2D drawings, etc.

**Metadata repository**: Categorization and maintenance of document metadata.

 **Association to equipment**: Maintenance of asset–document relationship by associating documents to an ERP/CMMS system asset number. The asset information from ERP/CMMS is synchronized by batch updation, so that integrity and consistency between databases can be maintained. A document can be associated with multiple assets and vice versa.

**Cross-referencing across documents**: Cross-referencing of document facilitates in the handling of change management efficiently.

### Plant survey and “As-Built” preparation

Oil & gas facilities often use multiple versions of engineering drawings as projects are executed by multiple contractors. This leads to various version of source document with its own modifications. Hence it is necessary to consolidate updates and validate the changes by plant survey, to reflect the “AS-BUILT” status**.**

### Maintenance manual and reference plan development

There is a growing demand on EPC contractors to provide all maintenance related information of facilities under construction. It is difficult to source specialized resources to complete the requirement within their tight project timelines.

Hofincons deploys subject matter experts with exposure to asset life-cycle management and who are capable of organizing and preparation of maintenance manuals and reference plan developments.