

PRODUCT DATA MANAGEMENT

INTRODUCTION

During the execution of any complex or non-complex Babcock Engineering Project, there are many processes in the back-ground that controls and captures the information produced through the engineering process. Product Data Management support the Engineering process by capturing the product data throughout the entire Life Cycle from Concept, Design, Construction, As-Built and Maintenance Phases. Data management is ensuring data integrity, availability and security of project data utilising the PLM Tool, Siemens Teamcenter.

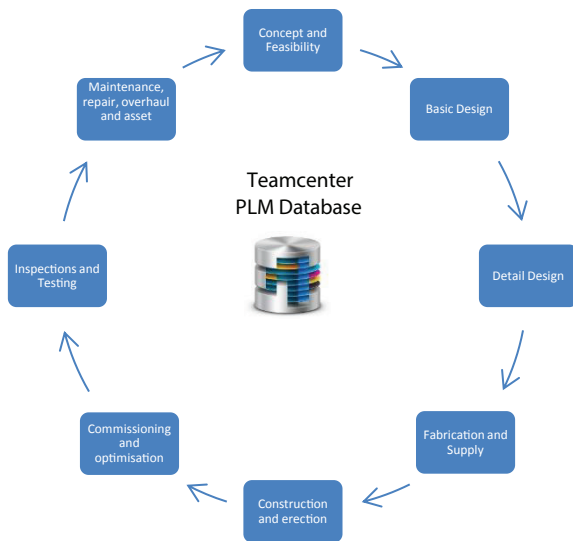


FIGURE 1: TYPICAL PRODUCT LIFECYCLE PHASES

Through Teamcenter the Configuration of a Plant is being controlled by creating a breakdown structure that represents the hardware of the Plant, System, Sub-system or components in a hierarchial structure.

This structure is the basis for controlling the configuration of hardware and to establish baselines. Teamcenter capabilities and processes are tailored to Babcock requirements to maintain configuration of our plants.

a“Siemens PLM Software helps companies of all sizes around the world to transform their business and develop innovative products and services. Our customers are better equipped to respond successfully to the challenges of digitalization. Our solutions optimize their processes from planning and development through manufacturing and lifecycle support to realize innovation.”

a <https://www.plm.automation.siemens.com/global/en/our-story/>

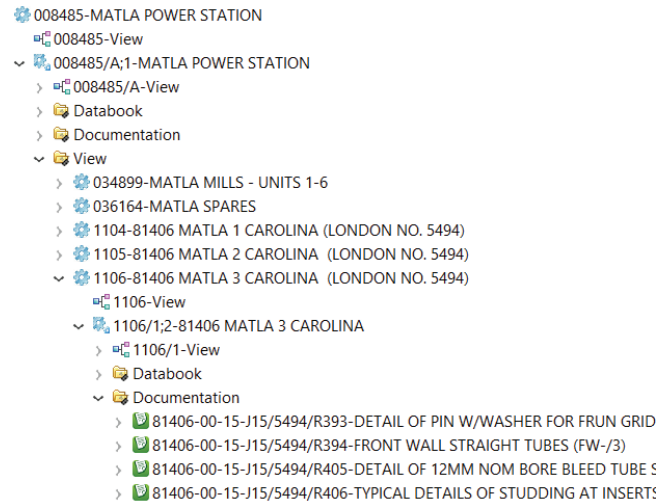


FIGURE 2: HBS WITH LINKED DOCUMENTS

CHANGE MANAGEMENT

Change Management is required to ensure that changes to designs are documented, evaluated and approved prior to implementation and closure. The change management process in Teamcenter is developed the capturing of this information and the approval through a Work Flow process.

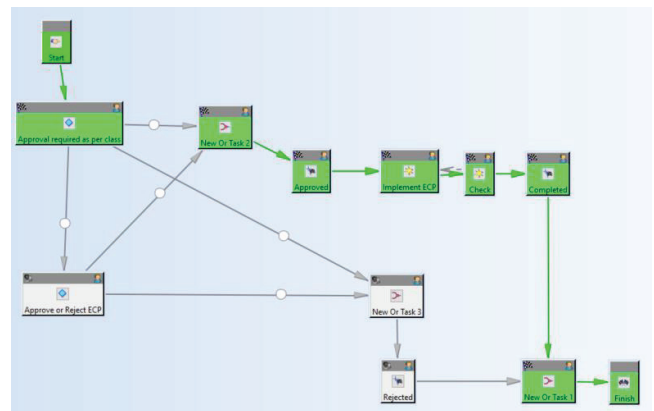


FIGURE 3: CHANGE CONTROL WORKFLOW

BASELINE ESTABLISHMENT

Baselines are established at intervals in the project Lifecycle to make a snap-shot of the current configuration. Baselines are used as reference points of past work and as a basis for change for future projects or changes.

