



Yansab SPEL Services

Location: Saudi Arabia

Summary

Yanbu National Petrochemical Company (YANSAB) is a Saudi Joint Stock Company registered in the Kingdom of Saudi Arabia. The objectives of YANSAB are to engage in the manufacturing of petrochemical products (ethylene, ethylene glycol, high density polyethylene, low linear density polyethylene, polypropylene, butene 1, butene 2, MTBE and BTX). YANSAB associated with Rolta to re-configure its Fluor and Technip SPEL databases in-line with YANSAB standards to meet the SPF configuration requirements. This included capturing mandatory data and setting equipment types as per SPF classes for electrical equipment. Rolta also aimed at making the databases meet YANSAB Audit requirements, and making them compatible with YANSAB EDDMS to ensure the successful publishing of SPEL data and documents.

Details of Rolta's solution

- Input verification of Fluor and Technip electrical drawings
- Modifying Data Dictionary by adding new properties and Select Lists as per YANSAB requirements
- Creating appropriate Plant–Area–Unit Hierarchy to ensure PBS correlation with YANSAB standards and EDDMS
- Creating naming conventions as per YANSAB standards
- Creating customized symbols, templates & borders for SLDs and Schematics
- Setting equipment types and equipment category codes for all tagged items
- Identifying missing data as per audit observations and capturing missing data by referring issued SLDs and engineering drawings
- Importing additional data into SPEL using Import Manager Utility
- As-built Updating based on site mark-ups post mechanical completion
- Generation of SLDs, Schematics & Reports
- Final Audit Report submission for updated Fluor and Technip SPEL Databases.
- Final Project Backup Delivery
- Project closure

Rolta also generated and delivered SLDs, Metering Diagrams, Schematic Drawings, and ensured the SPEL Database was compliant with YANSAB standards and applicable alerts.

Impact

On project completion, YANSAB had SPEL Databases (Fluor and Technip) that were compatible with its EDDMS and met its data handover specifications. Yansab can now maintain this data as-built throughout the entire plant life cycle.

About Rolta

At Rolta, we envision a better future, and then design technology to create that future. Our innovative IT solutions span various verticals, including Utilities, Transportation, Process, Power, Banking and Insurance. Through our cutting edge software for mapping and earth sciences, we also provide a complete array of solutions for Defense and Homeland Security, including C41STAR information systems, Military Communications, Digital Soldier and Vehicle Systems. Our team diligently works to exceed our customers' expectations, and has successfully executed strategic projects in over 40 countries.