



SASOL EDG Project Services

Summary

SASOL Pty Ltd. is an integrated Energy and Chemicals company based in South Africa, which specializes in coal mining and the production of gas and oil. The objective of SASOL is to use innovative and competitive technologies to excel in selected markets in the energy, fuel, chemical and related sectors across the world. SASOL decided to use the latest version of the SmartPlant suite of products along with SmartPlant for Owner Operator (SPO) and SmartPlant Foundation for Engineering Data and Document Governance. Rolta was asked to step in to configure and implement Smartplant Foundation and SmartPlant Instrumentation.

Details of Rolta's solution

- Implementing the concept of central tag allocation, with SPO managing tags centrally.
- Providing consultancy services for the implementation
- Auditing SmartPlant tools data created by SASOL, to make them compliant with SASOL's standards and suitable for integration with SPF system
- Providing guidelines in hardware and software selections based on the number of users and overall project scope
- Configuration of SPF as per SASOL and EDG (Engineering Document Governance) requirements
- Mapping in SPF for exchange of technical information between different SmartPlant tools
- Analyzing and configuring Workflows, Classification and Non-Classification Objects as per SASOL standards and requirements
- Publishing all the TEF and non-TEF drawing and documents into SASOL's system
- Providing performance based database administrative support to SASOL

Rolta configured and set up the SPF system as per SASOL's requirements, audited SmartPlant tool data to make it suitable for use in an integrated environment, successfully completed the Factory Acceptance Test (FAT) and published all the TEF and non TEF drawings and documents to the foundation system. After a stringent QC/QA, Rolta also delivered audit reports for all engineering tools along with documentation for hardware and software configuration requirements. In addition, the team created complex classified and non-classified objects into the SPF system on site, and published all tools data into the SmartPlant Foundation, managing all tools with SPO by generating tags and revising them.

Impact

- Increasing plant production and maximizing revenue and profits by managing all data in a single environment
- Streamlining procurement, helping to ensure accurate material quantities, protecting the project schedule, and eliminating costs
- Enabling access to the right documentation at the right time
- Bridging the gap between engineering and maintenance operations

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 C4ISTAR 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.