Aker Solutions - Sinopec

Summary

Aker Kvaerner is a leading global provider of engineering and construction services, technology products and integrated solutions. Aker Kvaerner works in several industries, including Oil & Gas, Refining & Chemicals, Mining & Metals and Power Generation. AKSI had approached ROLTA for the migration of its electrical plant data from excel sheets & MS-ACCESS Database to SmartPlant Electrical environment, capturing missing tags and mandatory attributes, developing relationships based on SLDs, generating deliverables and making SPEL database compliant with YANSAB standards and applicable alerts.

Details of Rolta's solution

- Auditing & modifying input Excel / MS-Access data, as per YANSAB Standards
- Creating a data dictionary as per YANSAB standards and applicable alerts, based on Yansab SPEL seed guidelines
- Creating appropriate Plant –Area –Unit hierarchy & naming conventions
- Importing data from Excel to SPEL using SPEL Import Manager
- Setting up equipment types and equipment category codes for all tags
- Identifying and capturing missing data by referring SLDs and engineering drawings provided by AKSI wherever possible
- Updating data as per As-Built Markups
- Associating external schematics to the concerned tags
- Generating SLDs & reports

Impact

- Increasing data quality and consistency via the single data environment and design rules
- Leveraging data through integration with business systems, providing access to electrical data across the entire life cycle
- Facilitating faster, concurrent engineering, reducing hours and cost
- Creating deliverables quickly, accurately, and automatically, directly from the database

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.