



BHEL India SmartPlant P&ID Automation

Location: India

Summary

Today, BHEL is India's largest engineering and manufacturing enterprise in the energy-related/infrastructure sector. BHEL was established more than 40 years ago, ushering in the indigenous heavy electrical equipment industry in India - a dream that has been more than realized with a well-recognized track record of performance. BHEL was looking for an SPPID utility that ensured pipe spec access from the Piping Material Specification database. Their requirement was to validate SPPID material class data with the PMS database and populate commodity information in SPPID from PMS. To meet their requirements, Rolta provided assistance in the customization of reports, symbols, border templates and the title block for BHEL. Rolta also developed a Calculation ID in the form of DLL which was registered onto the client's machine. DLL fetches records from PMS databases and populates them in SPPID. It also validates piping spec related SPPID entries with PMS.

Details of Rolta's solution

- Customization of reports
- Customization of SPPID symbols as per BHEL's standards
- Customization of Border Template and Title Block for BHEL
- Preparation of custom PMS database as per BHEL's requirements
- Facilitating maintenance of PMS data and loading new pipe specs in PMS
- Imla automation to achieve the project requirements

Impact

Rolta's solution helps BHEL to ensure accurate piping commodities in SPPID and avoid component selection errors in the early stages of the design. It also reduces the time required to populate SPPID attributes related to piping spec data.

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.