

Customer Profile

ONGC (Oil & Natural Gas Corporation) is India's largest Oil & Gas Company - 84 % of India's oil and gas production with Sales turnover of US \$ 10 Billion with Profits of US \$ 2.9 Billion

Contact Details

Will be provided on request

Project Statement

Rolta has executed many jobs for various ONGC assets for carrying out site verification and updating P&IDs and Operating Manuals & procedures to As-built status.

These projects also involve migration of As-built P&IDs to SmartPlant P&IDs, linking most critical documents to P&ID objects and publishing P&IDs on ONGC portals.

Project

ONGC has requested Rolta to carry out a comprehensive pilot for creating an Information Management System using SmartPlant Foundation and creating SmartPlant P&IDs and SmartPlant 3D models for their B55 off-shore facility.

Rolta Solution

This is being implemented using the integration functionality available with SPF/TEF.

Rolta has configured ONGC's Plant Breakdown Structure (PBS) on SPF and implemented TEF integration involving SPP&ID and SP3D.

Project-specific customization, Data Dictionary modification and Schema Mapping has been to achieve effective integration between these Authoring tools.

Pipe routing was done using the design basis from SPP&IDs, and the 3D model design was correlated with the SPP&IDs to achieve

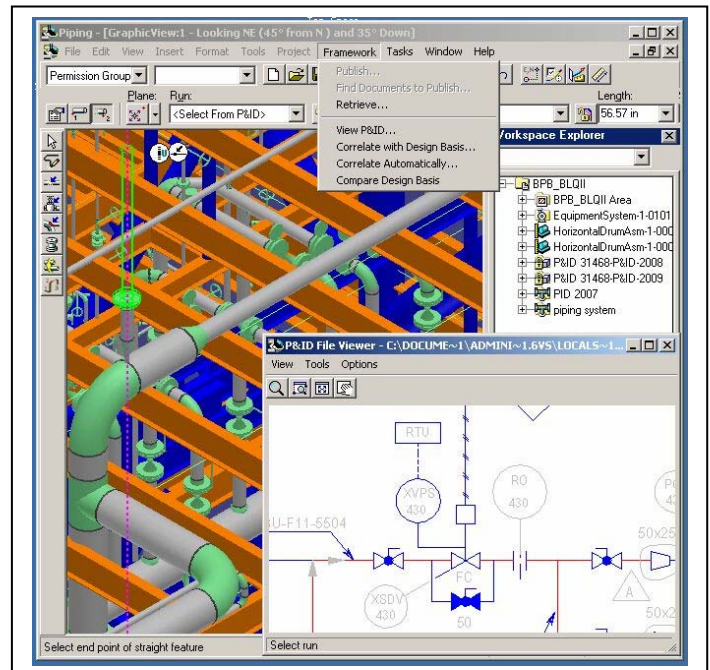
consistent data between the Authoring tools and avoiding data redundancy.

ONGC intends to scale up based on the pilot evaluation

Deliverables

Intelligent P&IDs

SmartPlant 3D model for B55 off-shore facility and



Engineering drawings – isometrics and GADs

Benefits to the Customer

- Incorporation of engineering Best Practices into the Intergraph design tools
- Integration of engineering tools ensuring data consistency
- Enabling them to use more time on production rather than on CAD tools
- The learning from the Pilot project can be effectively utilized for actual implementation