ENGINEERING INFORMATION MANAGEMENT AND PLANT ENGINEERING SERVICES

Industry Trends and Business Opportunity

Efficient operations and project management require engineering information that helps stakeholders work collaboratively as one integrated organization. However, organizations face multiple issues arising from complexity in engineering data and from disparate information management systems prevalent across its business units. Lack of data consistency and data integrity from EPC, incomplete and low quality of data handover, increased start-up time, existence of same data in multiple sources and formats, lack of data management processes, all result in increasing the cost of data.

Addressing the Cost of Data challenge

Wipro solves these challenges by defining a fit-for-purpose solution for your business. Creation of deployment roadmaps and design of scalable architectures will make your enterprise ready for global roll-outs.

Wipro provides these consulting services on plant engineering for P&ID, CAD, Pipeline, Electrical, and Instrumentation. Additional services include Engineering Data Management for data integrity that help to assess, clean, migrate and transform data to unlock the true value of investments in Engineering Information Management (EIM) systems.

A global team of more than 50 engineers, consultants and technical experts access a world-class Center of Excellence (CoE) facility that is equipped with licenses from Intergraph for SmartPlant® Instrumentation, SmartPlant® Foundation, SmartPlant® Piping & Instrumentation diagram, and SmartPlant® Electrical. The team offers consulting & transformation services, deployment, implementation, operation and support.

Some recent examples of value delivered to our global customers include creation of an EIM strategy and roadmap for a leading owner/operator in UAE, migration of unstructured data for a large European upstream company and establishment of Site Technical Practice (STP) for a leading US Refinery.

Driving Business Value

Wipro aims to increase ROI for your organization through Plant Engineering, Data Integrity and Engineering Information Management solutions that maximize business benefits, thereby accelerating development and implementation by the use of reusable components and frameworks. Implementation of best practices in the industry help to benchmark against the best solutions available for an enterprise.

While improved project delivery creates better handovers in complex projects, smaller engineering projects benefit from faster, better and more efficient engineering. Timely and on-budget performance is achieved through reduction of capital expenditure that is incurred due to rework and delays in project timelines. Reducing handover costs can improve operational readiness and drive considerable gains in productivity of your engineers.

Timely delivery of contractual production and higher asset reliability depend on correct and reliable information that

help to minimize shutdowns. Also, reduction of unplanned deferment can optimally utilize assets, providing quicker and better responses to production events.

Asset integrity determines the ease of storage and retrieval of safety-critical data/documentation. Design Integrity Validation of safety critical information against business rules is critical to maintain design integrity before acceptance of work products from contractors. This helps to maintain integrity of the solution design. The ability to maintain technical integrity allows easier, accurate and comprehensive access to safety-critical data or documentation needed to support maintenance, inspection and performance verification. It is also important to maintain operational integrity that can provide real-time access to safety critical design and operating data or documentation.

Case Studies

Creation of an EIM strategy and roadmap for a leading owner/operator in the Middle East

Wipro has developed the strategy for Asset Information Management system workflow and created a roadmap to achieve the objectives of EIM. This strategy has resulted in a single point of accountability for all SmartPlant® related initiatives. It allows a structured governance model and ensures implementation of a scalable and time-tested solution.

Migration of unstructured data for a large European upstream company

Wipro has helped the customer in moving to a new EIM system by addressing data integrity issues due to unstructured information. It has enabled the set-up of organized data in the new EIM platform. With the integrated data in place, there has been a reduction in search time for engineering drawings and documents. This has helped in identification of equipment missing from the maintenance schedule.

Contact us at info@wipro.com with subject line: PES @ Hexagon Live

About Wipro Ltd.

Wipro Ltd. (NYSE:WIT) is a leading Information Technology, Consulting and Outsourcing company that delivers solutions, to enable its clients do business better. Wipro delivers winning business outcomes through its deep industry experience and a 360 degree view of "Business through Technology" - helping clients create successful and adaptive businesses. A company recognized globally for its comprehensive portfolio of services, a practitioner's approach to delivering innovation and an organization wide commitment to sustainability, Wipro has a workforce of 140,000 serving clients across 60 countries.

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