

Collaborative Environments energize production

Wipro helped an oil and gas major manage 50% of its production through a Collaborative Environment by enabling interfaces between disparate locations and teams.



Industry landscape

The upstream oil and gas industry is facing significant challenges including maturing fields, new production in hazardous regions, new unconventional recovery methods and a shortage of skilled resources. This, coupled with rising operating costs; price volatility and a need to reduce capital expenditure, have put increased pressure on production teams to become more innovative and efficient. Making faster, more accurate decisions is critical to success, but decision-making is often stifled by large volumes of data across the integrated production system and siloed team working.

Client background

The company, an oil and gas major, is involved in exploration, production, refining, distribution, power generation and trading. It has operating assets, joint ventures and projects in over 70 countries across Europe, the Middle East, Africa, Asia, Australia and America. It produces over 3 million barrels of oil equivalent per day and has more than 90,000 employees.

The opportunity

The company realized that optimizing decision-making in critical production processes could increase efficiency and reduce non-productive time. Functional groups, such as production engineers, reservoir engineers, facilities and operations teams, worked separately and there was a need to accelerate decision-making through better collaboration and sharing of production critical data. It was also felt that field & support teams could benefit from lower HSE exposure and fewer journeys to the field by working in close collaboration. There was often a lack of close understanding between onshore and offshore teams as well as between production and operations (maintenance, engineering etc.) teams.

The program successfully delivered Collaborative Environments to the majority of producing assets, but the true success was in creating a 'new normal' way of working for the production and operations teams. We created a step change in interdisciplinary collaboration which has driven efficiency, availability and safety. A thorough benefits realization approach has shown considerable value from this initiative, achieving a per annum return of 62%

Giles McCallum
Program Manager, Wipro



Solution

Wipro partnered with the client's Project and Technology innovation team to drive the value of Collaborative Environment implementations from the corporate level, where best practice, lessons learnt and standardization were leveraged across the asset base to provide aggregated tangible results. The project delivery model included assessment of each asset's unique requirements, a design based on corporate standards, implementation and support.

Highlights of the solution :



Change management included leadership coaching and the involvement of end users in the design and training, in new ways of working and technical aspects of the environments. Embedding of the solution was critical to the success of each project.

Business impact

As part of the three year global engagement, comprehensive benefits tracking program was undertaken. The rolled-up impact of the program included:

- 50% of production is being managed through these environments
- 100-plus collaboration rooms delivered across greenfield and brownfield assets
- Reduced travel to the field by 15% or more
- Improved equipment availability to over 90%
- Reduce safety (HSSE) exposure (reduced travel and persons on-board)
- Reduce annual support costs through standardized facility and audio/video designs
- Facilitation of repeatable, cost-effective and efficient delivery in future deployments through archetype designs (workflows, organization and layouts) and a proven, documented, delivery methodology

The program is estimated to have an annual benefit of over \$75 million year on year in production efficiency by:



Reducing unscheduled production deferral



Improving operational efficiency and reduced operating expenditures (OPEX)



Enabling production gains



Accelerating decision-making



Increasing equipment availability



About Wipro Ltd.

Wipro Ltd. (NYSE:WIT) is a leading information technology, consulting and business process services 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." By combining digital strategy, customer centric design, advanced analytics and product engineering approach, Wipro helps its clients create successful and adaptive businesses. A company recognized globally for its comprehensive portfolio of services, strong commitment to sustainability and good corporate citizenship, Wipro has a dedicated workforce of over 160,000, serving clients in 175+ cities across 6 continents. For more information, please visit www.wipro.com

DO BUSINESS BETTER

CONSULTING | SYSTEM INTEGRATION | BUSINESS PROCESS SERVICES

WIPRO LIMITED, DODDAKANNELLI, SARJAPUR ROAD, BANGALORE - 560 035, INDIA. TEL : +91 (80) 2844 0011, FAX : +91 (80) 2844 0256, Email: info@wipro.com

North America Canada Brazil Mexico Argentina United Kingdom Germany France Switzerland Nordic Region Poland Austria Benelux Portugal Romania Africa Middle East India China Japan Philippines Singapore Malaysia South Korea Australia New Zealand