

TCS: Subsea Energy engineering – cost optimised design support

<p>Service Provider: Tata Consultancy Services Ltd. Customer: Global Energy Products & Processing Equipment Manufacturer Vertical: Energy (Oil and Gas)</p>	<p>Customer Profile: Client is a leading provider of technology solutions and manufacturer of subsea equipments for Energy production and processing systems</p>
<p>Project Profile: Provide support from concept to completion in engineering and design of subsea systems and equipment like Xmas trees, manifolds, templates and subsea control modules and related equipment</p>	<p>Business Objective: Achieving scalability to meet market requirements in a cost optimised manner</p> <p>Technical Objective: Develop a partner in subsea areas leveraging on TCS' engineering expertise in tools, project management and delivery</p>
<p>Methodology: Global engineering development using TCS' proprietary Global Network Delivery Model Compliance to ISO and client's standards Replication of client methodology and processes at TCS development centre but with greater flexibility and cross functionality</p>	<p>Team Description: Diverse mix of engineering experience and skill set (Mechanical, Electrical, Piping Analysis, CAM)</p> <p>Tools/Technologies Used: CAD/CAM, PLM</p>
<p>Results Achieved</p> <p>Technical Benefits: Reduced engineering throughput time, increase in efficiency (about 35 per cent)</p> <p>Business Benefits: Cost benefit to the client estimated to be about 40 per cent</p> <p>Innovations: Project-specific innovations and value additions; for e.g. development of new locking mechanism for subsea application using value engineering methodology</p>	