# TCS: Subsea Energy engineering – cost optimised design support

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