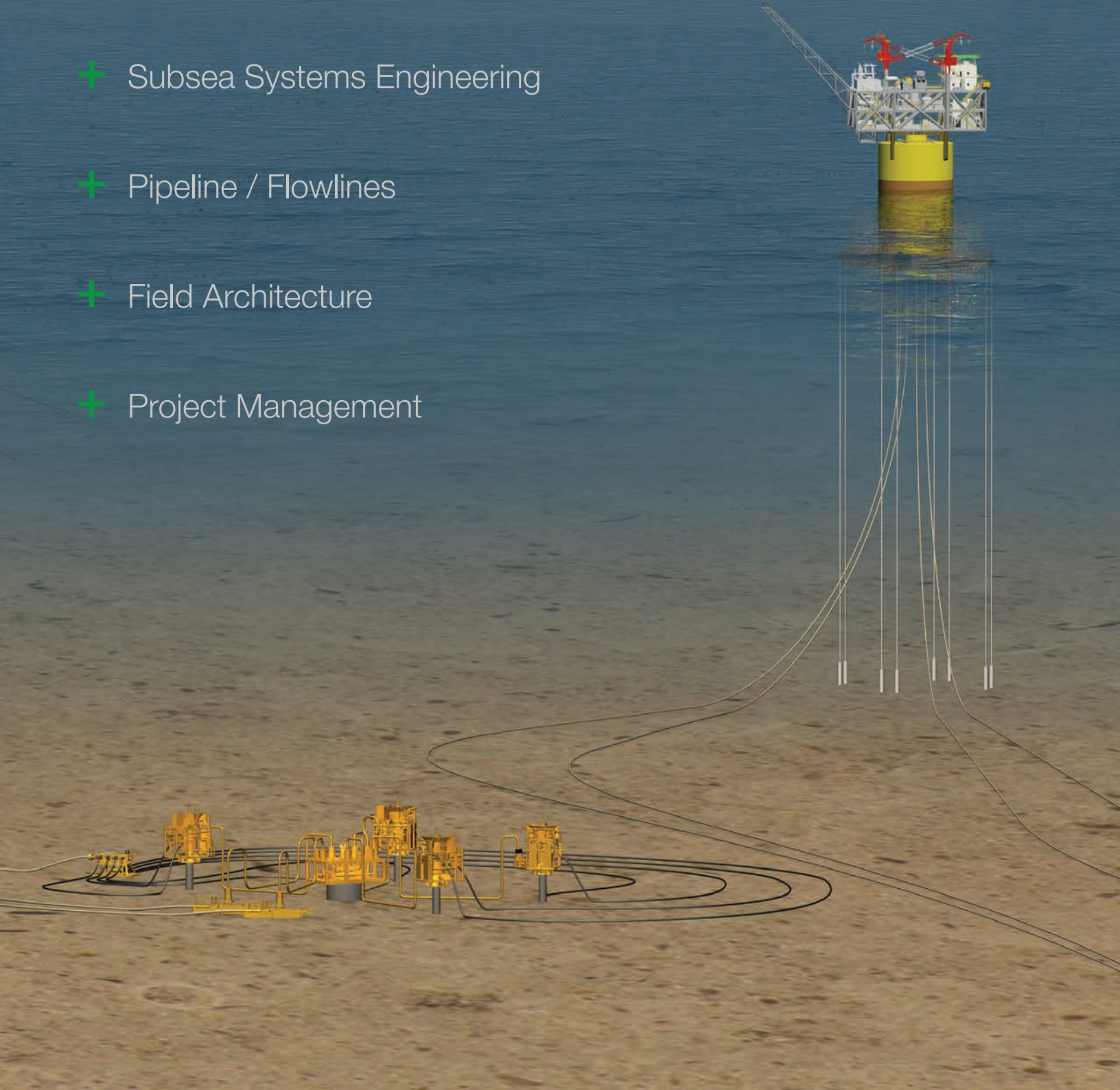


Subsea Engineering

- + Subsea Systems Engineering
- + Pipeline / Flowlines
- + Field Architecture
- + Project Management



+ engineering solutions

OFFSHORE FLOWLINES / PIPELINES

With an unparalleled background in product development, industry recognized analysis, and unrivaled leadership in testing, we have the unique ability to design, analyze and study all aspects of pipeline engineering. Specific capabilities include but are not limited to:

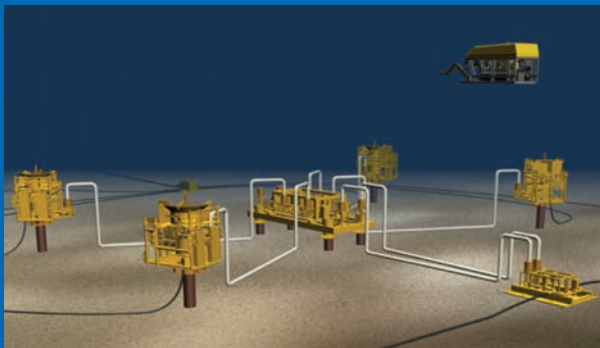
- Pipeline Design Engineering
- Hydraulic Design
- Cost and Schedule Development, Flow Assurance
- Engineering Studies
- Offshore Support
- Route Survey Support
- Deepwater Pipeline Assessment & Repair

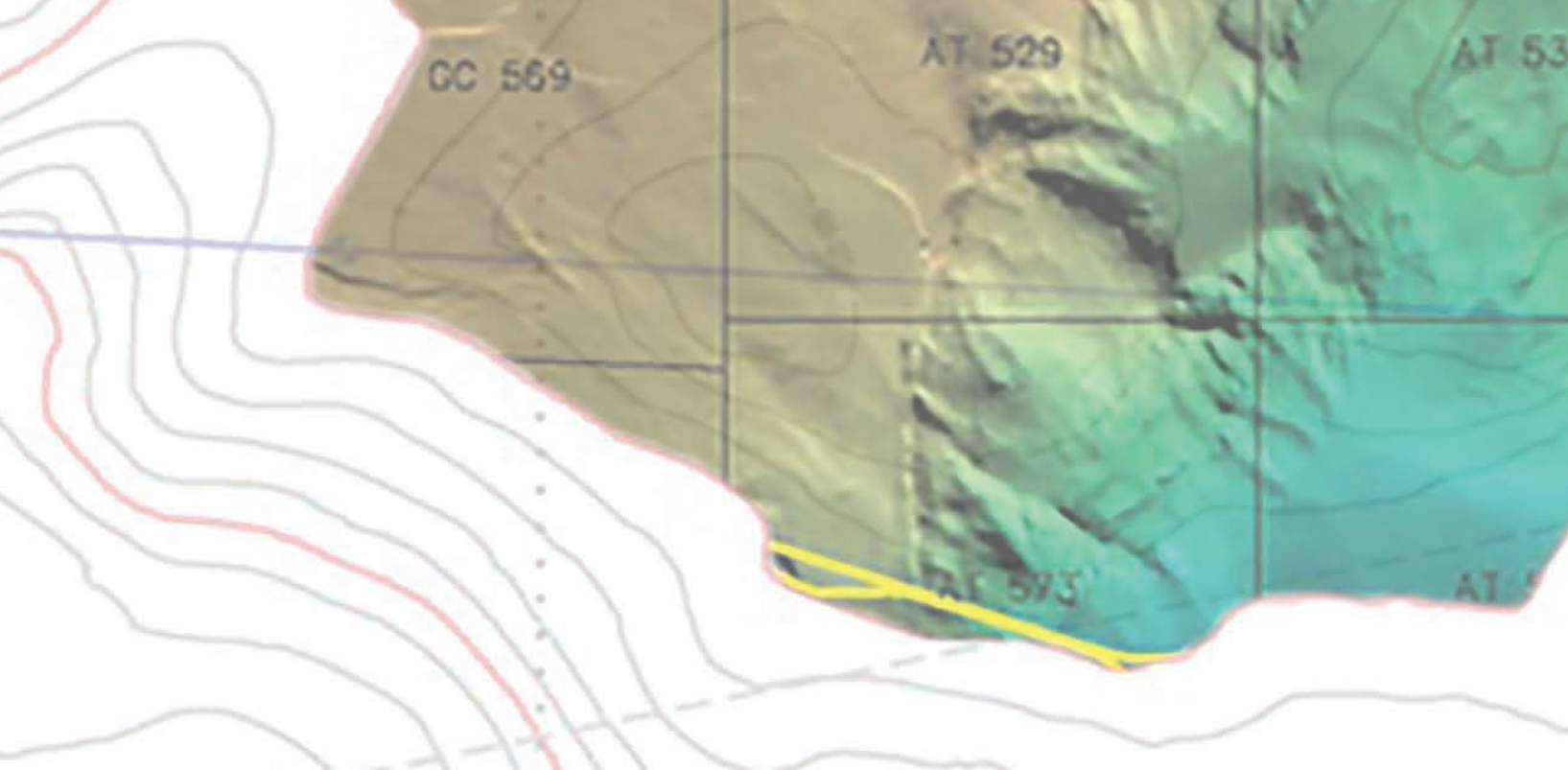
SUBSEA SYSTEMS ENGINEERING

Our history of field development and hardware knowledge keeps us on the cutting edge when it comes to subsea tiebacks. We continue to receive major awards for the design and analysis of a multitude of subsea production systems. The scope of our completed and ongoing projects includes:

- Subsea System Engineering
- Engineering Studies
- Pre-FEED, FEED and Detailed Design
- Vendor and Interface Coordination
- Cost & Schedule Development
- Procurement Support
- Offshore Support

Stress Engineering Services is an independent engineering consulting company, which means we're not owned or tied to any manufacturers, fabricators, or installers. This independence allows us to provide solutions that are both objective and reliable.





FIELD ARCHITECTURE

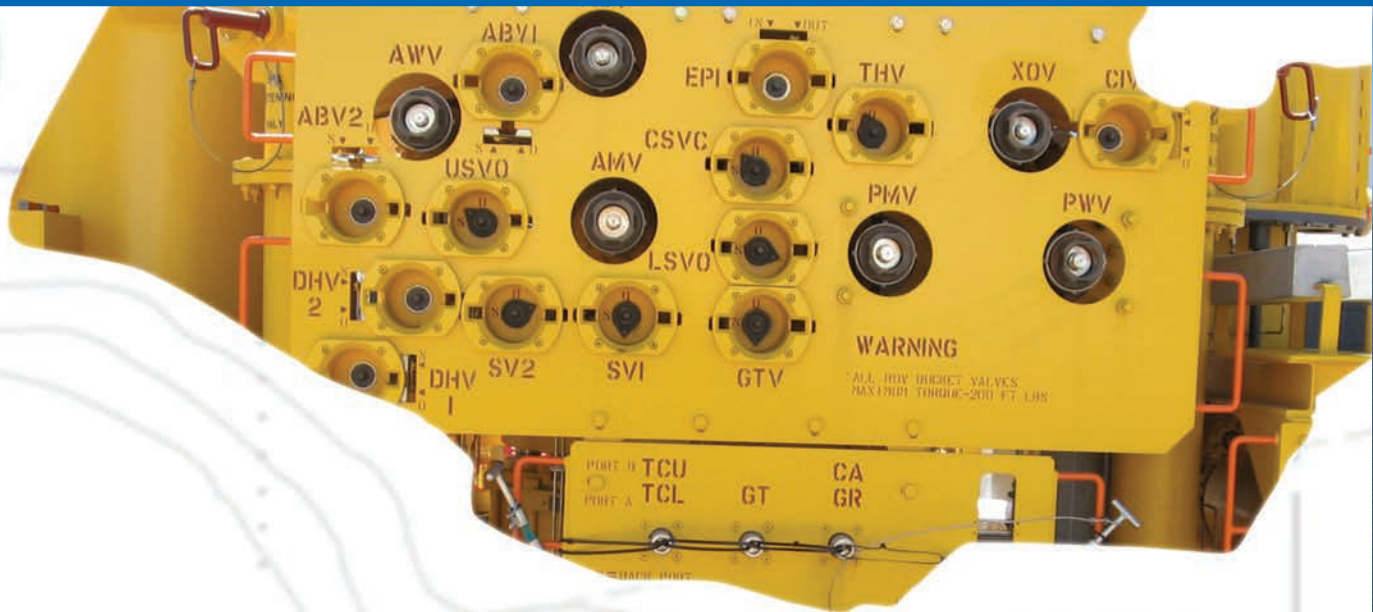
Not only can we improve on the specifics of your project, but we have the ability to roll the various aspects of a subsea development into an integrated conceptual approach that's safe, efficient and economical. Our architectural design and analysis capabilities include:

- Alternative Field Layout Considerations
- Architecture Definition
- Cost Alternatives (CAPEX-OPEX)
- Hydraulic Considerations
- Operability Considerations
- Installation Alternatives
- Pipeline Routing Options

PROJECT MANAGEMENT

Our approach to project management begins with forming partnerships with our clients and taking ownership of the projects we're involved in. We utilize proven tools and procedures and provide available facilities for project teams. We're experienced in managing tasks, resources, costs and schedules and companies.

- Specific project management goals include:
- Insuring On-Time Product Delivery
- Completing Work Within Budget Constraints
- Keeping Clients Aware of Progress
- Insuring Product Safety Compliance and Quality Product Delivery
- Providing a Safe Work Environment
- Exceeding Expectations



+ engineering professionals

Stress Engineering Services is a renowned provider of subsea and pipeline/flowline engineering, field architecture development, and project management solutions. Our clients include major and independent oil companies, as well as equipment manufacturers, who are looking for dependable and cost effective answers in all phases of their offshore projects.

At the core of our subsea engineering services is a team of highly qualified engineering experts with many years of applied industry experience. This experience spans all facets of subsea production, including pipelines, flowlines, subsea trees, manifolds and control systems. We have the skills and knowledge necessary to quickly identify the most efficient solutions available, minimizing the time from discovery to first oil.

Our engineers draw on the vast array of engineering disciplines, skills and services infused throughout Stress Engineering Services to provide clients with viable solutions from detailed design to field installation, materials engineering, risers, structural analysis, and more.