



Integrated subsea solutions

Higher efficiency. Lower costs. Faster first oil.





Underway, under the sea: a worldwide transformation

From the Gulf of Mexico to the North Sea, to the South Pacific, to the Horn of Africa, to the Brazilian coast, TechnipFMC is transforming the economics and delivery cycles of subsea

It's with our unique sole-source, end-to-end, fully integrated subsea solution working in concert with our new product platform that we can fundamentally change the way subsea fields are designed, managed and executed.

At the core of this integration is our ability to build on early involvement and integrated solutions to streamline project execution and deliverable sustainable cost savings. We are the first and only subsea provider to integrate the subsea production system (SPS) with subsea umbilicals, risers, and flowlines (SURF). This opens the way to integrated, engineering, procurement, construction and installation (iEPCI™).

We've gone one step further by assembling an expert team to rethink how subsea production could be even more efficient. The result is Subsea 2.0™ -- a simpler, leaner, and smarter product platform that integrates seamlessly with iEPCI™.

What does this mean to you? You work with a single team to manage and execute your project from concept to product delivery and beyond. This unique process improves project economics and helps unlock first oil and gas faster.

End to end efficiency for the life of your field

Our integrated subsea offering begins with the conceptual design and extends through the life of the field:

iFEED® - We engage early by designing the subsea architecture or integrated FEED study using intelligent tools such as Ultra Front End and Subsea Studio taking into account all stages of the life of the field

iEPCI™ - We turn that design into a full field subsea development through integrated project execution

iLoF® - We equipped our systems with real-time monitoring, and as the field matures we proactively deliver inspection, maintenance and repair services as well as mid-life upgrades, enhancements and life extensions over the life of the field

Concept

iFEED®

Day one: Maximize value

The right way to higher ROI for your field is at the very start. Our front-end team arrives bright and early; sleeves rolled up and ready to partner with you every step of your process.

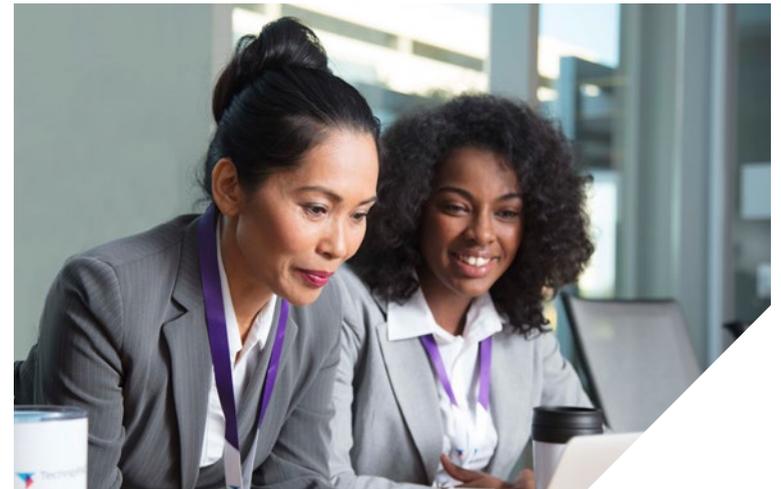
Our experts provide an overall system perspective and visualize your field's future using Subsea Studio and Ultra Front end as Digital Tools to simplify engagement and speed up decision making allowing hundreds of options to be analyzed in parallel. We relentlessly comb for ways to acquire the highest oil and gas recovery and ROI using our proprietary cost savings solutions and advanced products and technologies to extract optimal results.

To deliver your lowest cost, we offer field study work through our integrated team. Or, if you wish, choose a fully independent viewpoint from our affiliate, Genesis Oil and Gas Consultants, who provide impartial and effective engineering solutions.

To minimize risks, start early

We focus on identifying and eliminating potential challenges before they become, well, challenges. A significant advantage of early engagement is the mitigation of project risk, as well as redistributing risk between you as a client and TechnipFMC as a contractor.

Our integrated front end engineering and design (iFEED®) capabilities can turn challenging fields into viable producers. Beyond that, it can open the way to the development of smaller fields that were previously shunned as being uneconomic.



Delivery

iEPCI™

Streamline your process, optimize efficiency, unlock first oil faster

TechnipFMC is the one and the only provider with the capability to fully integrate the delivery process with people, products, technology and services -- all under one roof.

Today, projects across the globe are benefitting from iEPCI's fully integrated advanced SPS and SURF solutions delivered by a single team that designs, engineers, procures, builds and services.

The result: cost savings, optimized subsea architectures, reduced contractual risks, and improved performance over the life of the field.

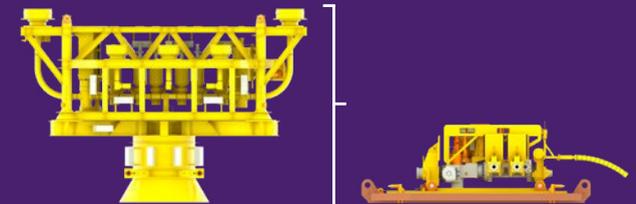
Boost project economics from seabed to topside

- ▶ **Avoid duplication** with a sole-source, single team solution
- ▶ **Shrink delivery schedules** with integrated project planning
- ▶ **Install faster, eliminate handovers and float between contracts** with seamless infrastructure
- ▶ **Mitigate risk and improve coordination** with fewer project interfaces
- ▶ **Stay on schedule** with streamlined procurement
- ▶ **Improve life of field performance** with a smoother transition to the servicing phase

Subsea 2.0™ – Simpler, leaner, smarter

TechnipFMC has introduced a revolutionary product platform that makes subsea projects simpler, leaner and smarter. The smaller, modular designs use standardized components and 50 percent fewer parts to reduce engineering hours, enable easier installation and optimize field performance. When combined with iEPCI™, Subsea 2.0™ improves project economics and gets to first production even faster.

50% lighter and smaller



Old manifold

New manifold

Beyond

iLoF®

Integrate for longer, more productive field life

Successful life of field service hinges on three factors: integration, communication and coordination. With TechnipFMC, you can count on a fully integrated, sole-source team managing an interoperable suite of systems. Our teams closely communicate with each other and maintain real-time field monitoring and data management and processing systems. It's all coordinated under a management structure from within TechnipFMC.

With integrated life of field (iLoF®) we have delivered thousands of kilometers of flowlines, risers, flexible pipe, umbilicals and thousands of subsea controls and subsea trees to clients around the globe.

Our prime objectives are to maximize your production, maintain the utmost safety and extend the life of your field. We have the professionals, robots, fleet, tools, equipment and vast experience to make it happen.

Unlocking all the value from your subsea assets:

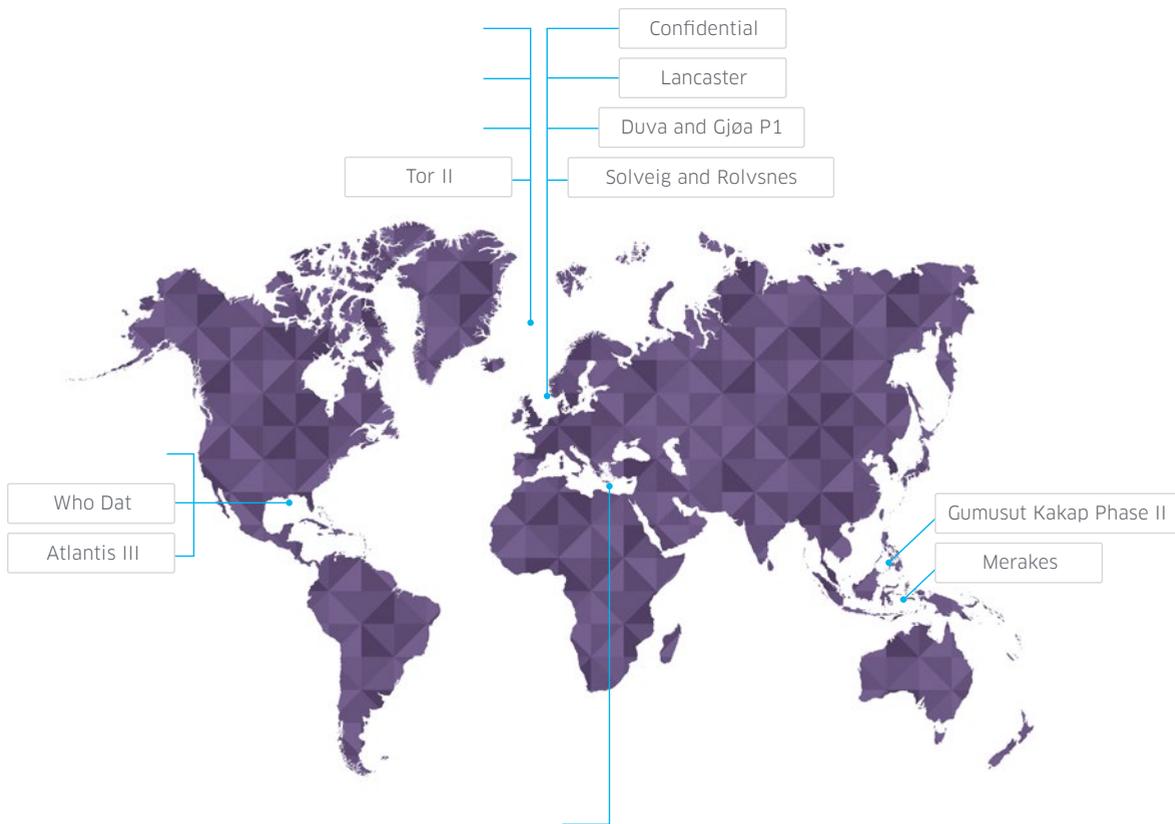
We enhance your field operations with a combination of asset integrity management and performance monitoring, flow management, virtual flow monitoring, digital services, data management, asset visualization, and process services.

- ▶ **Lower your costs** through interventions, operability engineering, and asset integrity services
- ▶ **Boost production volumes** via production management, upgrades, de-bottlenecking
- ▶ **Increase uptime** with real-time full field surveillance
- ▶ **Speed decision making** through data management and digital collaboration



Subsea iEPCI™ awards to date

With our iEPCI™ model, we offer turnkey solutions for deep and shallow water tiebacks to unlock revenues in marginal fields and stranded assets. We do this through enhanced design, optimized installation and a trim project team. It is a cost-efficient and pre-engineered solution for developing smaller fields close to existing infrastructure.



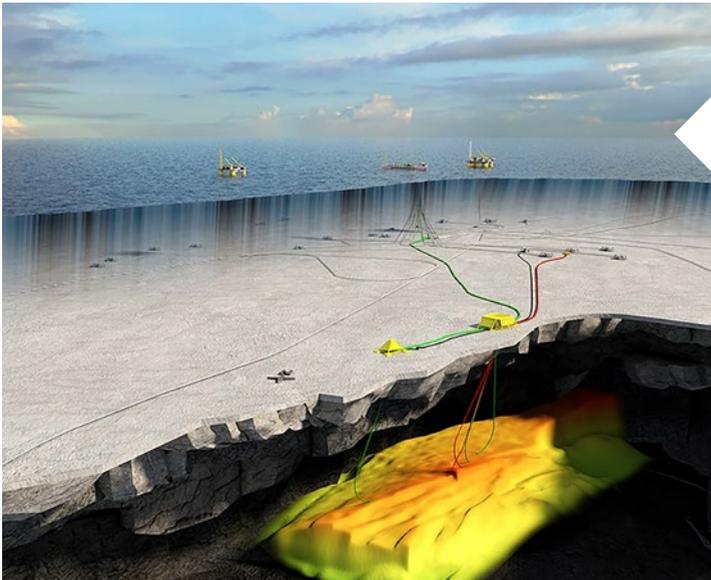
[Click on the map to learn more about our projects](#)

Integration is in action, worldwide

At projects around the globe, our clients realize the benefits of subsea integration. Our uniquely visionary approach simplifies development, reduces costs, improves economics and produces first oil and gas faster.

It's making a difference for our clients. We can do the same for you.

- ▶ **Avoid duplication** with a sole-source, single team solution
- ▶ **Lower your costs, today and tomorrow** with greater efficiency, less waste, and lower hardware costs
- ▶ **Unlock first oil and gas faster through** less design time, streamlined team communication and coordination and a more productive and responsive supply chain



TechnipFMC won its first iEPCI™ contract

from Equinor in 2016 for its Trestakk field in the Norwegian Sea. Consisting of three production wells and two gas injection wells, Trestakk is an example of how an integrated approach starting at project inception can enhance client value.



“The future of subsea is going to be driven by this kind of integration, innovation and strong client collaboration. By leading in these areas, we can make a real difference to project economics through lower costs, reduced risk and accelerated time to first oil.”

Doug Pferdehirt
Chairman and
Chief Executive Officer