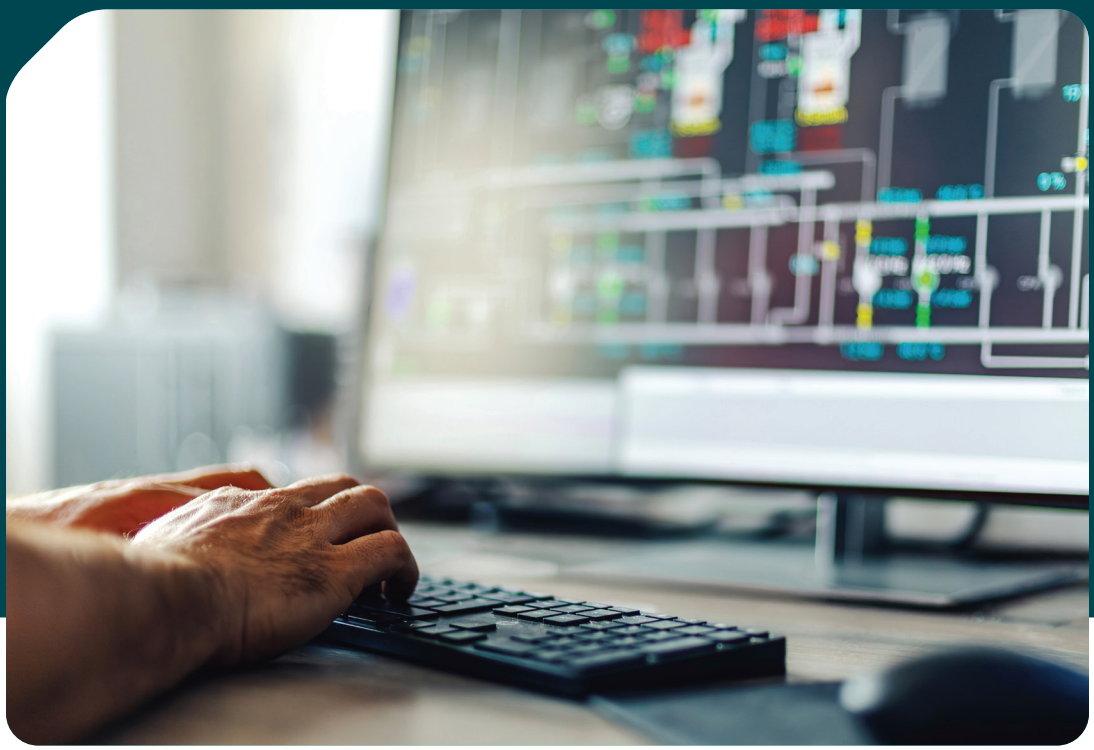
Engineering

Facilities Engineering

Build + Deliver.







Applications

- New build assets
- Brownfield modifications
- Offshore rigs
- FPSOs
- Land rigs
- Facilities + plants

From the first concept to the final commissioning, we engineer infrastructure that performs today and is ready for tomorrow.

Whether developing new infrastructure, upgrading existing facilities or solving complex operational challenges, we deliver multidisciplinary engineering that bridges concept, design and execution.

Our expertise has been built in some of the world's most demanding environments and extends far beyond them. Today, we support projects across offshore, onshore and emerging energy sectors, combining technical excellence with practical delivery experience to engineer solutions that perform throughout the asset lifecycle.

BENTEC
Bold Engineering+Technology

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Operators need engineering partners that understand more than design

Projects are becoming increasingly complex, assets are aging, budgets are tighter and infrastructure must evolve to meet changing operational and market demands.

Whether developing new greenfield facilities or modifying existing brownfield infrastructure, engineering decisions must balance safety, performance, reliability, cost and long-term value.

Engineering outcomes that matter

- ✓ **Confident early project decisions**
- ✓ **Greater project certainty**
- ✓ **Reduced engineering and delivery risk**
- ✓ **Integrated, buildable solutions**
- ✓ **Efficient project execution**
- ✓ **Seamless equipment and technology integration**
- ✓ **Reliable operational performance**
- ✓ **Infrastructure ready for tomorrow**

Concept Studies + Front-End Engineering

Building the right solution from the start.

Every successful project starts with informed decisions. When developing new infrastructure or enhancing existing assets, our front-end engineering services help customers evaluate options, reduce uncertainty and establish a clear technical foundation before investment decisions are made.

Feasibility Studies	We assess technical and commercial viability to support confident investment decisions.
Concept Development	We develop practical engineering concepts that establish the foundation for successful greenfield developments and major asset upgrades.
Technical Studies	We provide specialist engineering insight to evaluate options, risks and opportunities.
Engineering Assessments	We evaluate existing assets, systems and equipment to inform modification, optimization and life extension decisions.
Asset Capture + Surveys	We build an accurate understanding of existing infrastructure through surveys and digital asset capture, reducing uncertainty for brownfield projects.
Pre-FEED + FEED	We develop robust engineering solutions that prepare both new developments and brownfield projects for successful execution.

Detailed Design Engineering

One Team. One Solution.

Complex projects demand more than individual disciplines. They demand integrated engineering. Our multidisciplinary teams combine engineering expertise with equipment, digital and technology knowledge to develop practical solutions that improve safety, operability, maintainability, reliability and long-term performance.

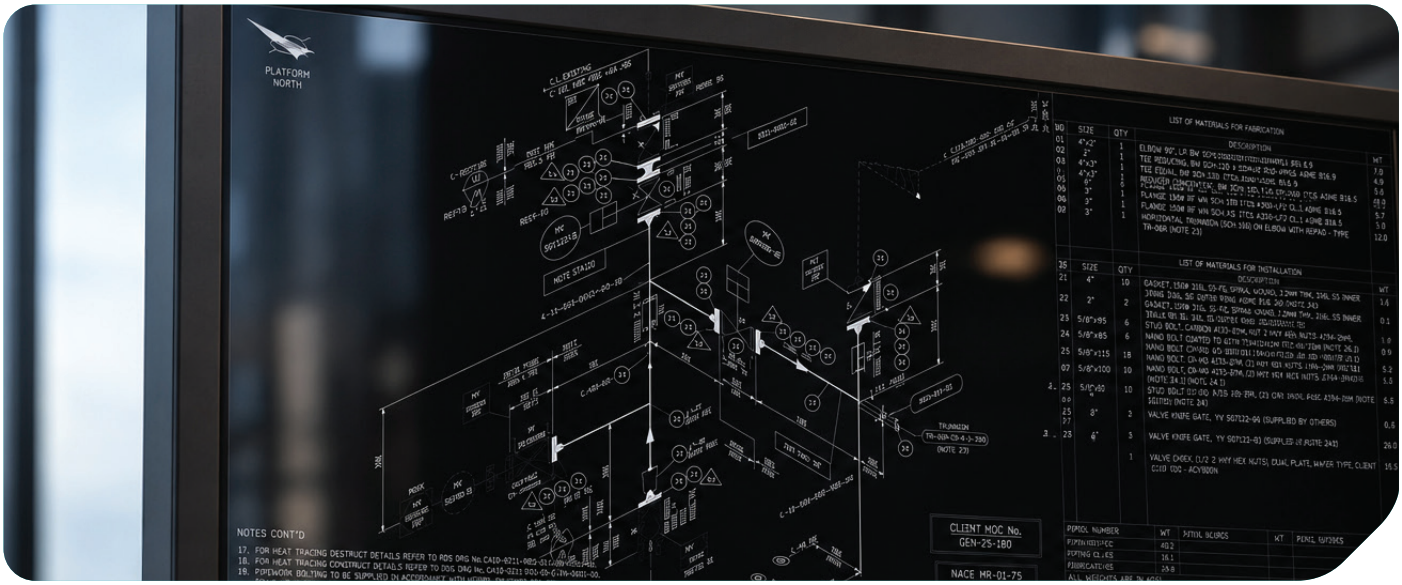
Process	We develop efficient, safe and operable process solutions that optimize asset performance.
Mechanical	We engineer reliable mechanical systems and equipment for long-term operational performance.
Structural	We design robust structural solutions for safe, compliant and resilient infrastructure.
Architectural	We develop functional layouts and specifications for occupied and technical spaces, integrating operational, safety and access requirements.
Piping	We deliver efficient piping systems that support safe operation, maintainability and performance.
Electrical	We design dependable electrical systems to power critical infrastructure and operations.
Instrumentation + Control	We integrate intelligent control and instrumentation systems to improve safety, efficiency and reliability.
Technical Safety	We embed safety into every stage of design through risk assessment, compliance and engineering assurance.
HVAC	We engineer heating, ventilation and air conditioning systems to support safe, controlled and reliable operating environments.
Automation	We implement automation solutions that enhance operational efficiency, control and asset performance.
Power Systems	We engineer resilient power generation and distribution systems for complex energy assets.
Telecoms	We design and integrate reliable telecommunications systems to support connectivity, operational communications and safe, efficient asset operations.
Weight Control	We manage weight and center of gravity throughout design to support structural integrity, stability and informed engineering decisions.

EPCM Project Delivery

Complete project execution.

Our involvement doesn't stop at engineering. From specialist technical resources through to procurement, construction and commissioning, we reduce interfaces, improve communication and keep projects moving from design through to execution.

Engineering + Project Management	We coordinate engineering and project delivery through effective interface management, management of change and control of quality, schedule and cost. Keeping projects aligned with customer objectives.
Procurement + Vendor Management	We manage suppliers, equipment and procurement to improve delivery certainty and reduce project risk.
Construction + Installation Management	We oversee construction and installation to ensure safe, efficient execution and quality delivery.
Commissioning	We verify system performance and support a smooth transition into operational service.
HSSE	We embed HSSE throughout project delivery, managing risk and supporting the safe, responsible and compliant execution of project activities.

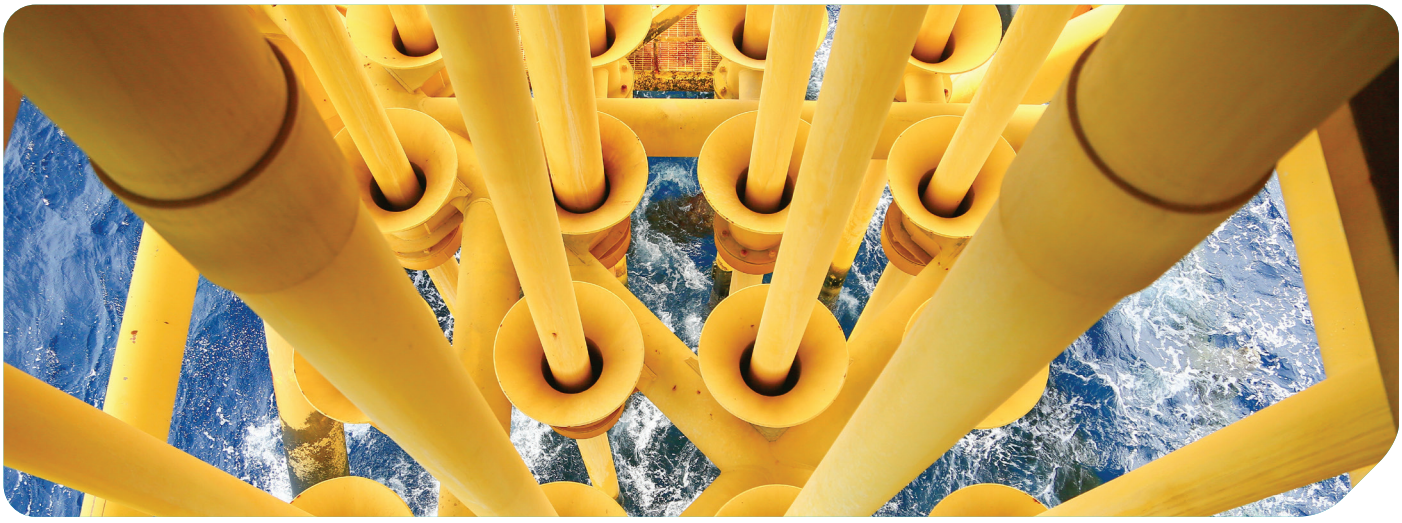


Specialist Drilling Expertise

Built on decades of drilling expertise and OEM heritage.

Our engineers deliver specialist solutions for drilling facilities, rig systems and equipment integration. From complete drilling package design to brownfield upgrades, equipment replacement and performance optimization, we help operators maximize safety, reliability and operational performance.

Rig + Drilling Package Design	We design integrated rig systems and drilling packages that maximize safety, operability and long-term performance.
Equipment Integration	We integrate BENTEC and third-party equipment and technologies into new and existing drilling facilities, managing interfaces to ensure safe, reliable and seamless operation.
System Upgrades	We modernize drilling systems to improve capability, reliability and operational efficiency.
Brownfield Modifications	We engineer practical modifications that enhance performance while minimizing operational disruption.
Reactivation	We support the safe and efficient return of drilling assets to operational readiness.
Performance Optimization	We enhance drilling system performance to improve reliability, efficiency and operational uptime.
Equipment Replacement + Obsolescence Management	We plan and manage equipment replacement to maintain system reliability, compliance and operational continuity.



Why BENTEC?

- **Deep multidisciplinary capability**
  Integrated engineering across every discipline
- **Engineering informed by operations**
  Solutions developed with real-world operational understanding
- **OEM insight**
  Engineering informed by equipment design, manufacture, integration and lifecycle support
- **Integrated project delivery**
  Engineering, procurement, construction management and commissioning coordinated through one team
- **Drilling heritage**
  Decades of specialist experience in drilling facilities, rigs and equipment
- **Lifecycle thinking**
  Engineering decisions informed by how assets will operate, evolve and perform over time



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Speak to a BENTEC expert

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