

A large offshore oil rig is shown at sunset. The rig's complex steel lattice structure is silhouetted against a bright orange and yellow sky. The rig is illuminated with warm lights, and the reflection of these lights is visible on the dark water in the foreground. The overall scene conveys a sense of industrial scale and engineering precision.

Intelligent Structural Engineering Solutions

Supporting the Worldwide
Onshore and Offshore
Energy Industry.

PINNACLE
ENERGY

www.pinnacleconsultingengineers.com

PINNACLE ENERGY

Pinnacle Energy is a leading structural engineering company specializing in providing full turnkey engineering solutions to the onshore and offshore energy sector.

Utilizing our extensive in-house talent base of highly qualified, skilled and experienced structural engineers, Pinnacle Energy works with many of the energy sector's largest owners and operators to deliver complete end to end structural engineering requirements on assets across the globe.

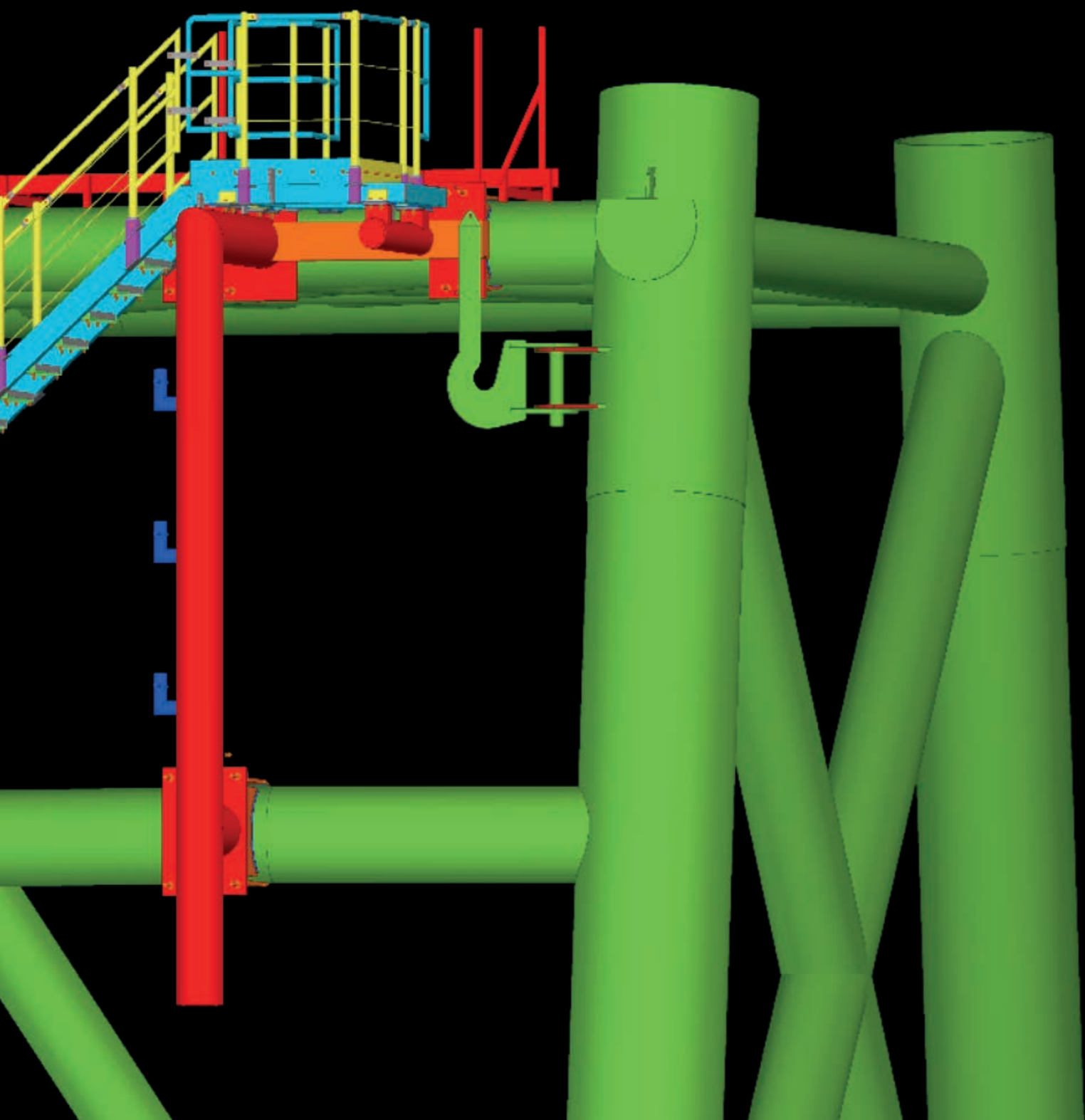
From our strategically placed locations in Norwich, Dublin, the South East and The Netherlands, Pinnacle Energy provides an extensive range of onshore and offshore engineering services from best-in-class 3D modeling, design and cost projections through to construction, survey, modifications and decommissioning.

Pinnacle Energy's highly experienced and extensive team of structural engineers has carved a reputation for delivering innovative, flexible and dependable engineering solutions to the onshore and offshore energy industry whilst always maintaining the very highest standards of safety and integrity.

Our right first-time culture, coupled with deep roots in the energy sector, makes Pinnacle Energy the perfect partner to deliver cost-effective, on time and on specification structural engineering solutions that meet the varied, complex and dynamic needs of the energy industry.

“ We are one of the leading structural engineering companies supporting onshore and offshore industries worldwide.”

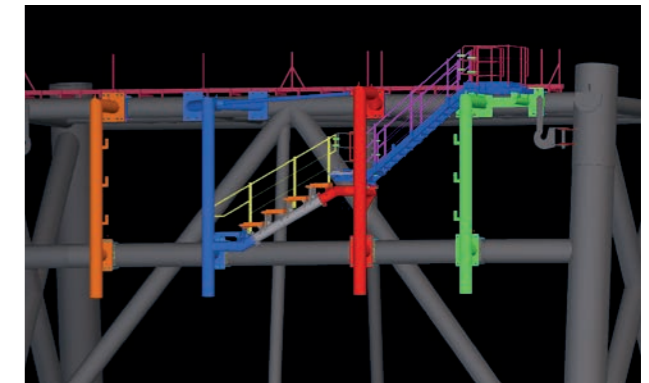
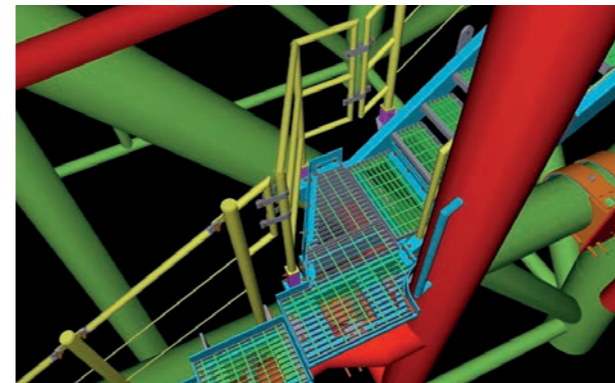




Offshore Cad Detailing and Modeling



Our highly experienced and extensive team of structural designers and CAD technicians have the capability to detail and model offshore design and engineering solutions from concept to detailed fabrication.



Providing the very best analysis and surveying of offshore assets, we work with some of the world's largest energy brands, owners and operators to deliver highly accurate designs and cost projections that successfully meet the challenges of the offshore energy sector.

Extensive investment in 3D modelling technology – utilized on brownfield modifications and new build projects - combined with a talent pool unrivalled in the industry, means our industry experienced engineers deliver best in class design models that provide the accuracy and credibility to deliver innovative, cost effective and dependable structural engineering solutions.

“ We supply clients with innovative, cost-effective, engineering solutions.”

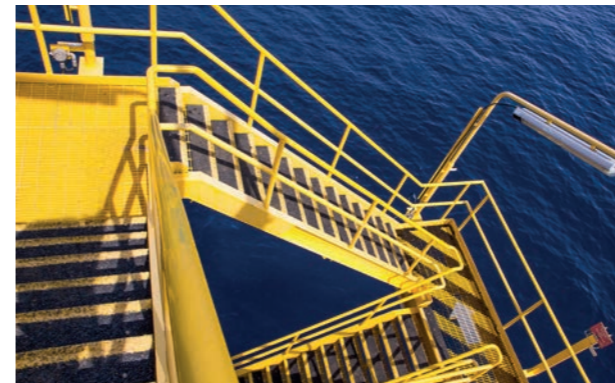




Interfacing



With over 10 years' experience supporting rig owners and operators on the structural design of interfaces for Jack-Up barges, our structural engineering team has an unrivalled reputation for delivering complex end to end interface solutions for some of the world's largest offshore brands.



With some of the best qualified and most experienced engineers in the industry – certified to the highest level for offshore working – we have carved a reputation for responding quickly and efficiently to inspect, survey and attend sites safely and professionally.

Offering a full turnkey service from structural assessment and associated inspections through to input on rig positioning and construction, our team prides itself on providing full annotated drawings for every project worked on, making sure each scope of work - identified and unidentified – is included and interface solutions are tabled early.

The business prides itself on its internationally recognized reporting standards, with all structural engineering calculations and method statements delivered to exacting UK, EU and American requirements.

“We are a major player in the supply of structural engineering services to the offshore sector.”



Structural Surveys and Inspections



The Pinnacle Energy team has deep roots in the structural survey and inspection of offshore assets across the globe.



Using our highly skilled team of structural engineers, our personnel visit every installation - as part of their best practice service delivery model - to ensure accurate reporting and risk-based assessment.

All site visits are supported by detailed reports - including photographs and location plans - together with suggested timeframes. This approach ensures our team is, at all times, working with clients to minimize cost creep and prevent unscheduled activity.

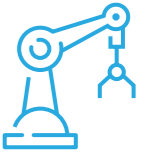
We pride ourselves on a service offering that delivers over and above standard survey requirements, delivering a range of service streams from regular inspections - including damage and deterioration reporting - through to manned and unmanned installation visits where specific structural dimensional surveys and inspections are required.

Operating to the very highest industry certifications, our structural engineering team is qualified to BOSIET, MIST, S-Cape, CSCS and working at height standards, ensuring clients receive the very best and highest skilled industry expertise.

“ We deliver over and above with expert service, advice and ongoing support.”



Decommissioning



Our team is an industry leader in the analysis, design and CAD modelling of decommissioning, de-complexing and simplification projects across the offshore sector.



With a reputation for providing cost effective, innovative and intelligent structural engineering solutions – whilst at all times maintaining the highest safety standards – our highly skilled and knowledgeable team has successfully delivered structural engineering projects working on ageing assets across the globe.

Providing a full turnkey offering, from front end concept design to structural recommendations and removal, our best-in-class engineering capabilities ensure minimum waste, maximum safety and optimum cost efficiencies.

Our team of specialist structural engineers are highly skilled in the decommissioning, de-complexing and simplification process, successfully delivering projects from removal of major structural elements – including decks cranes and helidecks - to extensive refurbishment and replacement and preparation for total decommissioning.

This vast range of experience and expertise ensures our decommissioning, de-complexing and simplification projects across the globe are delivered to consistently save programme time and money.

“ A specialist knowledge of offshore structural engineering that comes only with extensive experience of the energy industry.”



Brownfield Modifications



We have an unrivalled reputation for working on brownfield offshore and onshore projects across the world and delivering asset life extension programmes for some of the industry's largest owners and operators.



Our team provide a complete end to end survey offering, from engineering design of key structural parts to detailed fabrication drawings and inspection of structural strengthening, alteration and repairs.

Understanding the significant investment made by owners and operators to safeguard assets, operations and personnel, Pinnacle Energy plays an integral part in ensuring projects are planned and delivered systematically to avoid downtime whilst maintaining the highest standards of safety and accessibility.

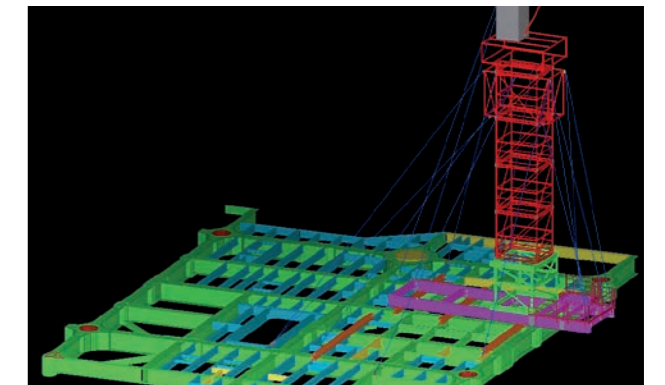
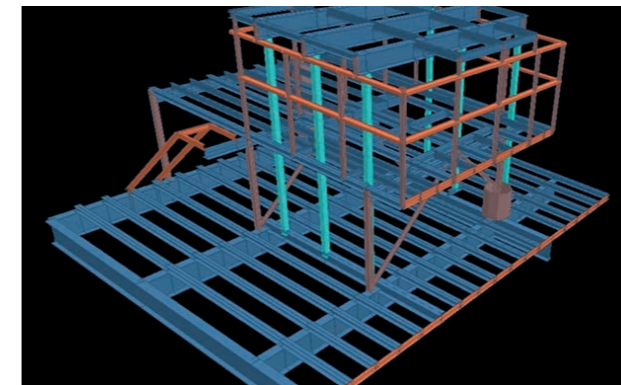
“ Highly qualified and experienced structural engineers, unrivalled in the industry.”





Well Rejuvenation

With over a decade of experience supporting the installation, construction and operation of coil tubing and velocity string towers on offshore platforms, the Pinnacle Energy team has carved a reputation for delivering innovative structural engineering solutions for some of the world's largest energy brands.

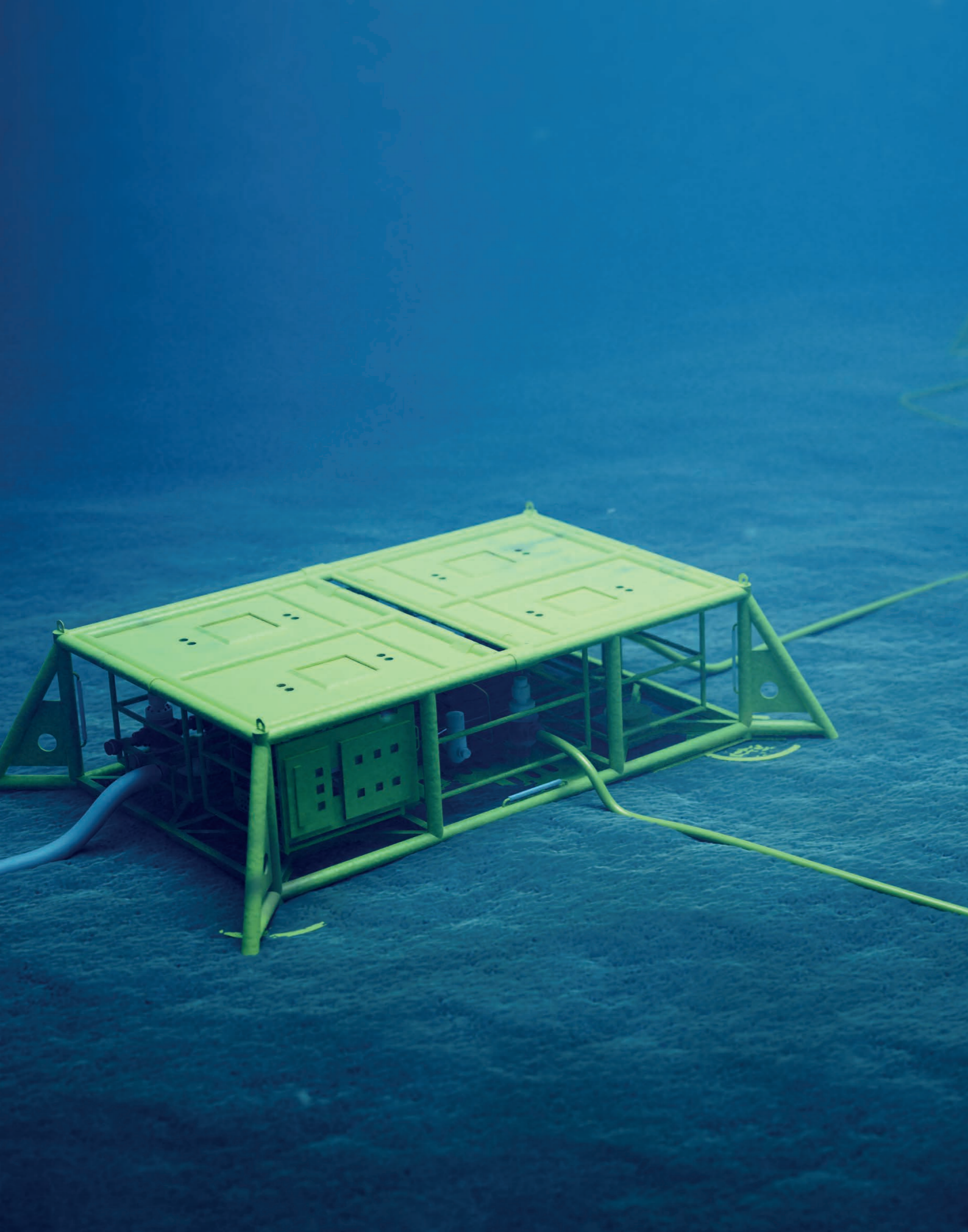


From initial structural assessment and analysis to fully engineered designs, our highly skilled and knowledgeable team deliver intelligent engineering solutions that enable optimum speed of installation, minimal impact to the existing construction and which – at all times – provide a safe and functioning working environment.

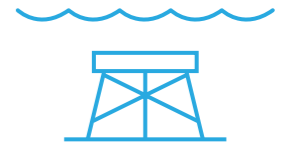
Operating as an extension to existing teams, our fully integrated, structural engineering service designs – and wherever possible utilizes existing - steel spreader frames, transfer grillages and tie down points that distribute operational, environmental and accidental loadings.

“ A right first-time culture that ensures schemes are delivered on time, on specification and on budget.”

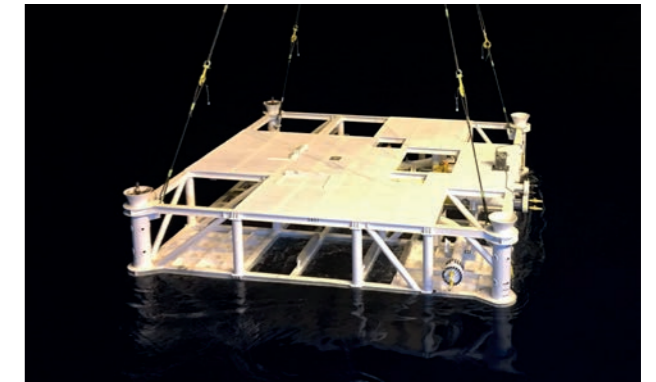




Subsea Structures



The Pinnacle Energy team delivers a range of design services for subsea structures, portable offshore units, drilling templates and lifting frames.



These include manifold structures where our team has developed a reputation for structural analysis, detailed design work, documentation of relevant load cases and verifying performance within code allowable limitations.

The business also provides an EPC model for subsea protection structures delivering all 3D modelling and CAD drawings, all structural and piping analysis, a complete FEA and a comprehensive examination for the installation lifting load case and relevant in-place loads.

These design services are complimented by our ability to also design drilling templates and lifting frames that meet custom requirements and ensure optimum safety.

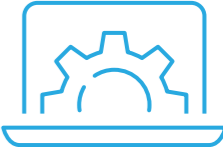
From drilling template design to structural analysis, detailed design work, recording of relevant caseloads and performance verification, we design drilling templates to ensure robust, safe and efficient installation from either a vessel or the rig itself.

Our highly skilled and knowledgeable team of structural engineers can also design – where required – lifting frames that fully meet specification and comply with the highest safety standards. The team can also advise on portable offshore units and the required operational class for spreader bars, frames and subsea baskets.

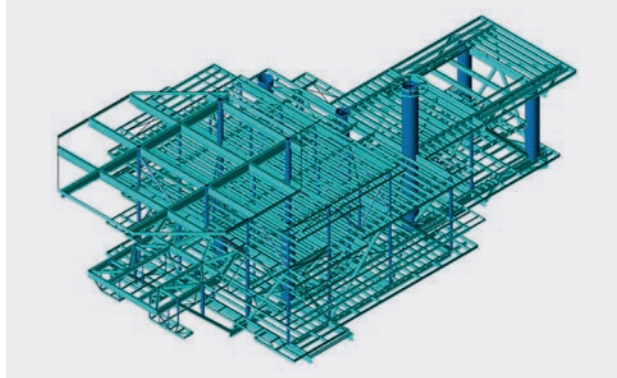
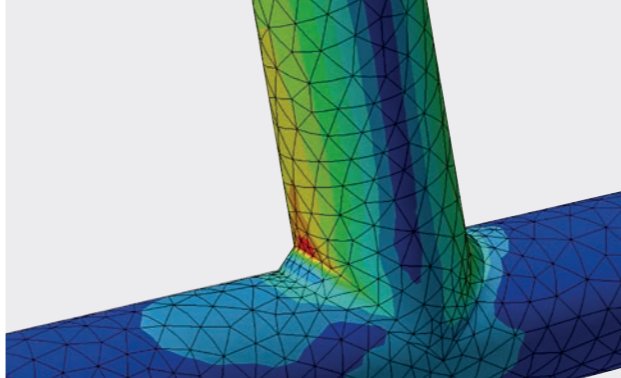
“ Deep roots in the offshore and energy sector, making us the perfect partner for structural engineering needs across the industry.”



Structural Analysis



Our team of structural engineers pride themselves on performing structural analysis, engineering and design on offshore and onshore structures that is some of the very best in the field.



Using some of the industry's very best structural analysis software and advanced analytical techniques, our highly skilled team deliver a wealth of analysis including nonlinear structural and impact, dynamic response, fatigue life and soil/pile interaction - all of which are code checked for compliance against international design codes.

Complimenting this, our team delivers analysis on load cases and combinations – from fabrication to decommissioning – and across the suite of standard load listings analyzed during the structural design of offshore and onshore structures.

For more complex geometries – including riser tension rings and heavy lift points – we provide market leading Finite Element Analysis and, where hand calculations are required, utilize best in industry software to deliver clear and robust engineering solutions.

“ Our comprehensive structural engineering offering is one of the broadest in the industry.”



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