



Intelligent Engineering

Experts in
Process and Safety
Engineering, specialising in
Optimum Asset Performance

PEAK is a leading, independent engineering consultancy, which enables oil and gas operators to optimise the design and performance of their assets. We have pioneered groundbreaking techniques that offer our clients unique opportunities to extend asset life, reduce operational expenditure, increase production and help defer abandonment.

Our success is founded on the specialist experience and expertise of our engineers, with extensive knowledge of process engineering and technical safety. This expert knowledge base and key industry experience is then applied to clients' problems using unique methodologies we have developed to help identify key priorities, generate optimum solutions and catalyse change.



The Experts In Optimum Asset Performance.



We optimise design and production by understanding the problem and engineering the solution and we would relish the opportunity to use this expertise to help you move forward with your business.

John Hargreaves,
Managing Director, PEAK Global Consultancy



peak-ltd.com

An introduction from our Managing Director

Our independent, global engineering consultancy is headquartered at the heart of Europe's energy capital - Aberdeen, Scotland. Our position at the core of sector-leading oil and gas activity, equips us with the latest information, technologies and resources to help us reinforce our place as an industry leader.

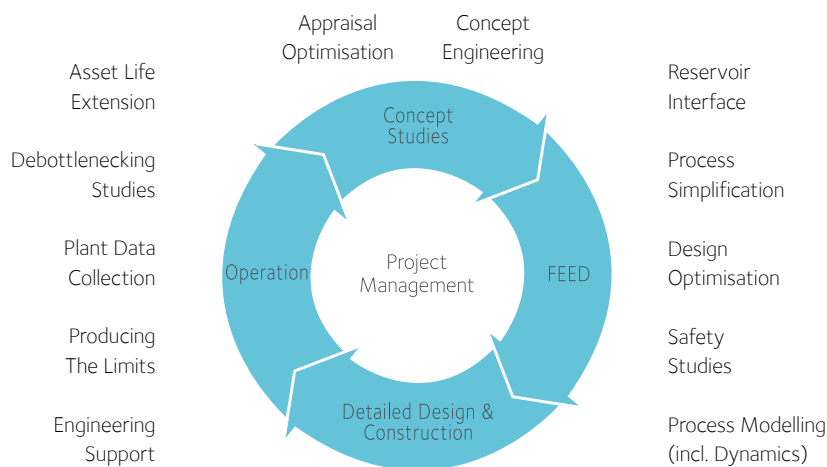
PEAK prides itself on becoming one of the world's first consultancies to deliver full offshore simplification and asset life extension, and upholds a global capability - working in a variety of regions including the North Sea, the Middle East, the Far East and Australasia.

We are delighted to hold local, national, and international oil companies, independent assurance experts, and local oil consultancies amongst our client portfolio.

PEAK's core values are the basis for forming a common culture of success between our people, our suppliers, our stakeholders and our clients. These have remained unchanged since the consultancy's inception and are integral to our continued success.

Process Engineering

We work to produce and deliver a service tailored specifically for your company's individual requirements. From concept and design, to start-up and operation, we take care of every aspect of the project lifecycle, helping you to achieve the best possible results.



Appraisal Optimisation

PEAK's methodology utilises the application of key words and brainstorming techniques to appraise asset optimisation in a structured style, to realise all feasible modifications prior to analysis against client KPIs to ensure the optimum way forward.

Concept Engineering

The conceptual phase is key to ultimate project success – PEAK's approach ensures all designs are reviewed, with credible solutions engineered to solve design issues.

Reservoir Interfacing

PEAK offers its clients the service of reservoir interfacing, which aims to model the boundary between the reservoir and topsides.

Process Simplification

Simplifying the process helps reduce the OPEX while increasing plant availability and reducing hydrocarbon leak sources. This results in reduced lift costs with increased safety.

Design Optimisation

Design Optimisation is possible through knowledge-based engineering and the use of appropriate design techniques.

Debottlenecking Studies

PEAK engineers are experts at identifying system bottlenecks and engineering the right solution, to ensure facilities are operating at their optimum performance.

Process Modelling (incl. Dynamics)

Process Modelling is a key tool to understand the effects of process events in order to ensure the optimum design is delivered and/or the adequate level of protection provided.

Engineering Support

PEAK provides engineering support from initial conceptual engineering, right through to construction and start-up. We can also provide operational support personnel as required, taking some of the pressure off a busy workforce.

Plant Data Collection

PEAK also offers plant data collection, which can be gathered via instrumentation or field data. PEAK can cross examine the data and use it to trend for discrepancies or to optimise operation.

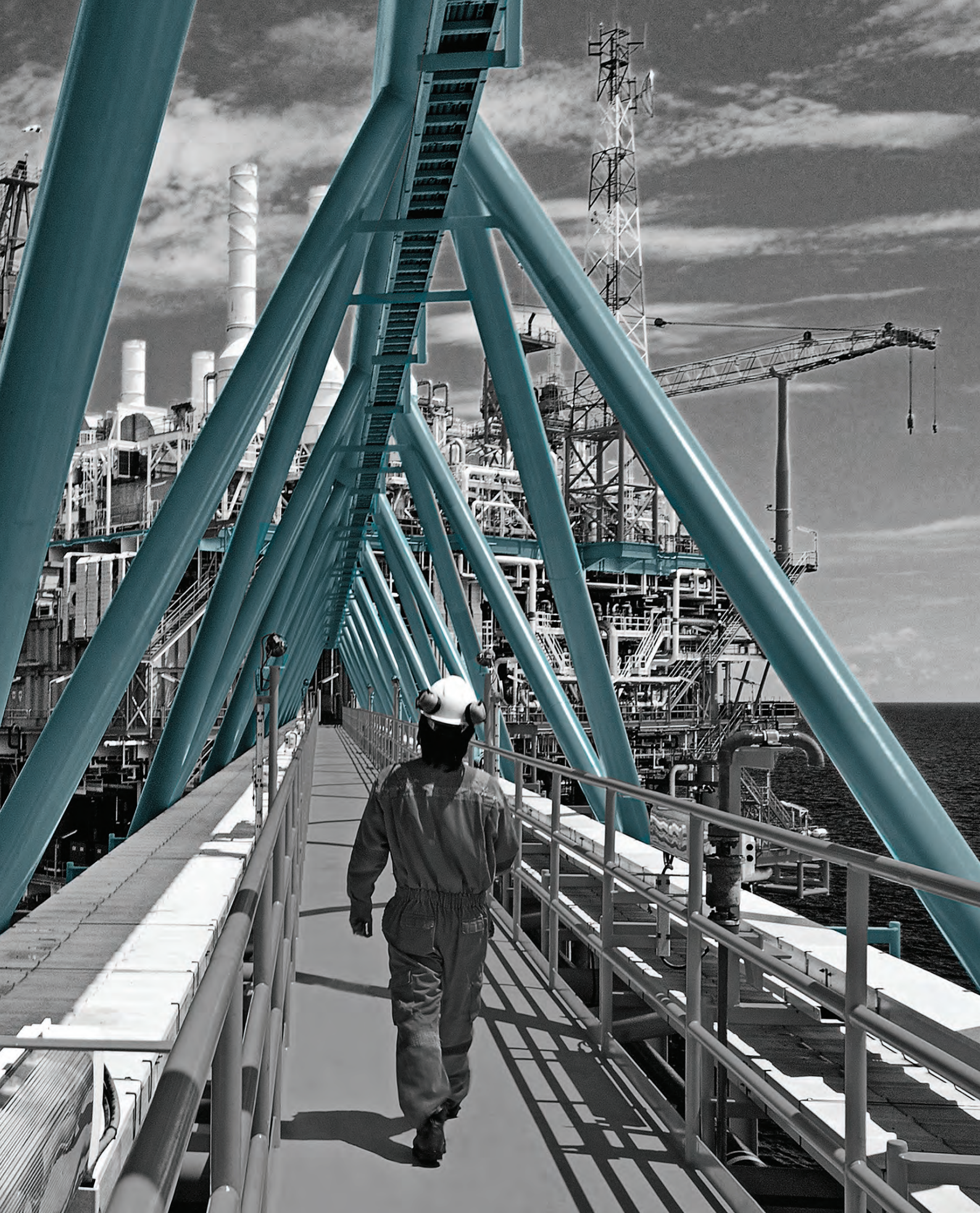




PEAK offers a fresh approach to engineering consultancy. Our services are meticulously developed to enable our clients to get the best from their assets, extending lifecycle and boosting production and profitability

The Experts In Optimum
Asset Performance



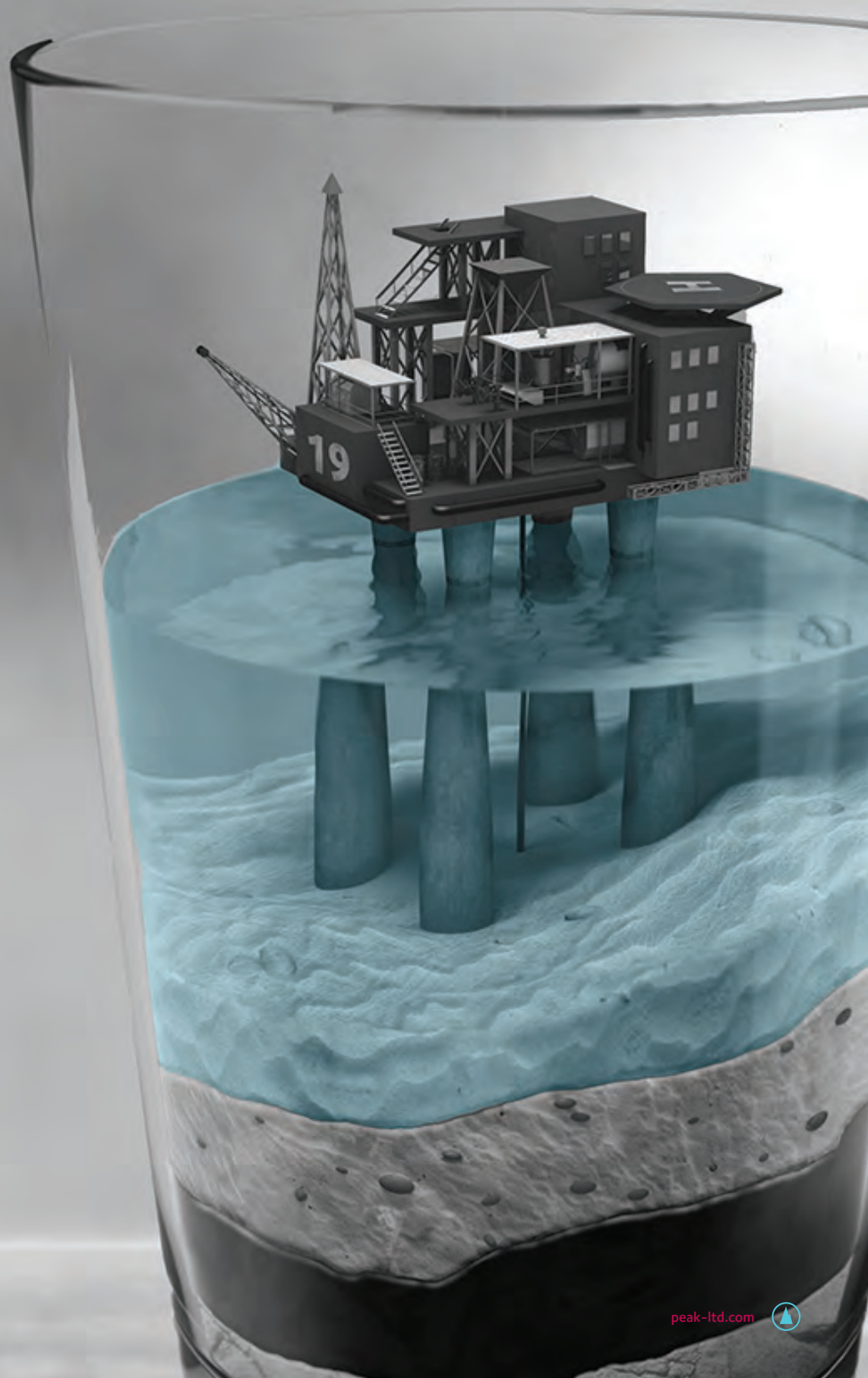


15 years additional oil production
\$3.8bn additional oil revenues
50% additional oil production
30% risk reduction*

ALE (Asset Life Extension)

PEAK is proud to have developed groundbreaking ALE techniques and methodologies to bring our customers an extended, safe and profitable asset lifespan. We undertake everything from production optimisation and OPEX reduction through to updating the facilities to receive new production profiles. This has gifted us with considerable experience in creating unique environments for our clients, and a strong portfolio of life extension projects. From concept to delivery with minimum cost and downtime, and with a comprehensive HSE delivery, PEAK strives to provide an all-encompassed service that provides the best possible tangible benefits.

* based on the work with one of our clients in 2013.





Maximise revenues
gained from your assets



20% additional production
15% increased production availability
10% reduced OPEX
90% of platforms could benefit

PTL (Producing the Limits)

PEAK is proud to deliver a unique service, which aims to rapidly maximise revenues gained from the assets. From reservoir to export, PEAK provides an all-encompassed service called Producing the Limits (PTL) – a methodology that identifies where additional production can be gained in the short-term, typically focussing on a period of 1–5 years.

Technical Safety

PEAK upholds the assessment of safety and risk factors as the first priority.

Our service offering includes:

- HAZOP and HAZID Reviews
- Risk Assessment, SIL and Reliability Studies
- Layer of Protection Analysis
- Active and Passive Fire Protection Design and Optimisation
- API RP 14C reviews
- Blowdown and Flare Studies
- SIL Verification Tools
- QRA
- ALARP Assessment / Demonstrations
- Design & Operational Safety Reviews
- Safety Studies (Fire & Explosion, Gas Dispersion, EERA, ESSA etc)
- Design & Operations Safety Case
- Safety Management



Experience

PEAK holds a wealth of experience with a wide range of clients in the energy sector. From large multi-nationals, to smaller local consultancies, we treat each of our clients with the same utmost importance, helping them to gain and exploit asset performance.

i n v e n s i s

Lloyds
Register

NORTECH
SOLUTIONS

ConocoPhillips

APPLY ALTRA

xodus
GROUP

ITHACA
ENERGY

EQ
enQuest

TOTAL

WOOD GROUP



شركة تطوير حقل زاكوم [زادكو]
Zakum Development Company [ZADCO]





The Experts In Optimum Asset Performance

