



## Technical Assurance - Subsea

### What we do

Our approach is centred on technical excellence. We strive to fully understand our client's challenges and we are passionate about delivering a high quality service which meets the client's needs.

Our senior staff are recognized experts in their field who have led complex subsea studies, detailed evaluations, technical research programmes, authored industry codes and standards, and made design innovations that have passed into common usage.

Crondall Energy has in-depth technical expertise in subsea production systems from the wellhead through subsea equipment, pipelines and risers to the process facility.

### Technical Assurance

In a complex and challenging world there is a need to have confidence that investments and assets will deliver value throughout their lifecycle. A key enabler of this objective is to ensure that a robust technical solution is selected and managed such that the performance and integrity of the asset can be maintained.

Crondall Energy works with a client to develop a deep understanding of their needs and key issues, and then interpret and apply the best industry practice and standards to provide robust Technical Assurance for: pipelines, risers, subsea systems, trees, wellheads and control systems; for new and existing facilities; and for subsea intervention systems.

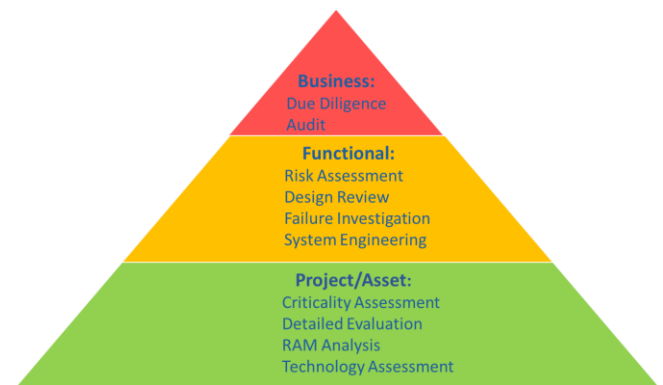
We define Technical Assurance as: **'the work required to confirm the suitability of the product, process or system to perform the function for which it was intended in a safe, reliable and efficient manner'**.

Our Technical Assurance service encompasses a range of activities and applications that provide a client with the

confidence that their investment or asset is set to deliver value, and can go on delivering the value expected.

This service includes provision of: Assurance, Validation, Verification, Audit, Review, Compliance and Endorsement, and other forms of study, evaluation and review that contribute to ensuring that value can be delivered safely.

The activities and applications can be applied to all levels of the client's business as shown below:



### Benefit

Our philosophy is to focus on the important things:

1. **Getting It Right** - 1<sup>st</sup> time, within budget and on schedule
2. **Integration** - all the components work together as a system to enable ease of operation
3. **Reliability** - maximising value, minimising downtime and reducing costs
4. **Continued Safe Operation** - through the whole lifecycle, start-up, late life and de-commissioning

**Technical Assurance – providing confidence in your project, asset or transaction**