



## Process & Topsides Engineering



### Process and topsides engineering & support

Crondall Energy can provide a full range of design, engineering and analysis services within the area of process and topsides engineering. Crondall Energy can develop complete topsides process and utilities solutions at the concept, feasibility and pre-FEED/FEED levels including the following scope areas:

- Basis of design review and/or development;
- Process flow scheme synthesis;
- Process simulation;
- Fuel, gas, heat, power & driver configuration;
- Process equipment sizing & specification;
- Utilities design & specification;
- Process deck & module layout;
- Weight & cost estimation;
- Safety, environmental, operability studies & support;
- Interface management.

In addition to the development of solutions to meet clients' needs we can provide assurance reviews to help clients understand whether they have selected the most appropriate solution for their project requirements. Such reviews may include:

- Key process configuration studies;
- Cutting edge process technology due diligence.



### Case Study

Crondall Energy recently completed a study examining processing options for an FPSO to process a heavy, low GoR crude for a field in the UKCS.

The study included examination of various technology and equipment options and configurations available to the project in order to develop a low-cost minimum facilities FPSO.

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