

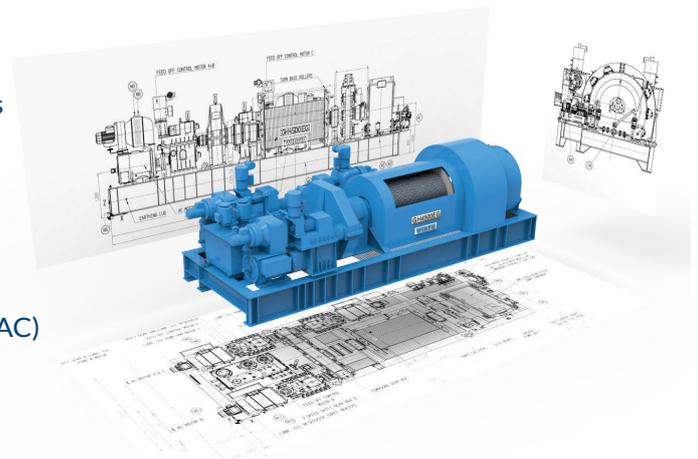
Asset Data Management for the Energy Sector

CAD & 3D Modeling

Keel provides different services within the field of Computer-Aided Design (CAD) and 2D/3D modeling for the Energy Sector. We have a competent team of CAD engineers, CAD drafters, and 3D modelers with strong knowledge of offshore rigs, vessels and technical installations.

With information from technical drawings and other technical documentation we can create detailed and accurate CAD drawings and 3D photo-realistic models of any component on a technical installation. We work with all types of technical and engineering drawings, such as:

- General
- Structural
- Layouts, General Arrangements and Plot Plans
- Process Flow Diagrams (PFDs) and SVG
- Piping and Instrument Diagrams (P&ID), Piping Arrangements
- Electrical
- Instrumentation and Control
- Fire Prevention, Detection and Safety
- Heating, Ventilation and Air Conditioning (HVAC)
- Mechanical
- Surveys
- Fabrication Drawing



Our specialists can convert and update paper drawings to CAD/DWG format in order to bring the drawings up to date and comply with standards and industry requirements.

Our CAD services include:

- Converting drawings into DWG format. From multiple formats such as: paper, word, TIFF, and PDF. This involves re-drawing in CAD/DWG
- Updating drawings by matching drawings to reality through visual inspections revealing differences
- Data extraction from drawings to use for databases and reports
- Converting CAD drawings into other graphical file formats such as PDF, PNG, or SVG
- Converting drawings into SMART drawings

3D Modeling

Keel also works with 3D modeling. Our services include:

- 2D → 3D conversion.
- Conversion of 3D models into other data formats such as 3D PDFs, game engine, or 3D printing files
- 3D visualization of equipment and technical installations such as drilling rigs and vessels
- Creating of interactive 3D models viewable in a browser using KeyShotVR™ technology
- Video animations of 3D objects
- High-resolution rendering of 3D objects
- Creation of 3D SMART drawings

