

## PROCESS SYSTEMS

KenC Engineering develops high-value process systems for leading companies in the on- and offshore market. We support clients in realizing better products by using our multidisciplinary project approach. KenC Engineering is ISO 9001:2008 registered by DNV.

### Multidisciplinary Project Approach

At startup of a project all aspects of the systems lifecycle must be taking into consideration.

Our multidisciplinary project approach ensures that the extensive process knowledge of our clients is combined with our engineering skills. This integration successfully results in higher value systems.

### Expertise and Experience

KenC Engineering specializes in the mechanical engineering and realization of process systems.

Our experience applies amongst others the following technologies:

- Dehydration of gases using molecular sieves (heated / heatless) / membranes
- Mechanical engineering of an stripper/absorber column for CO<sub>2</sub> removal
- Injection of chemicals for offshore production platforms
- Compression of gases for various applications
- Separation of condensate / oil / other contaminants
- Storage facilities of chemicals / gas
- Pumping of chemicals



### Engineering Tools

KenC Engineering uses the following tools to manage projects successfully:

- 3D CAD software (Solidworks / Pro-Engineer)
- FEA calculation software (Solidworks Simulation)
- Product Data Management software (Enterprise PDM)

### From P&ID to Realization

KenC Engineering provides the following project services:

- Plant/skid layout design according to P&ID and project specifications
- Structural engineering, design and calculation (including structural frames, access platforms, ladders, stairways, pipe supports, etc.)
- Pressure vessel design and calculation in compliance with ASME VIII, API 650, etc.
- Piping design according to ASME B31.3
- Component selection (valves, level gauges, transmitters)
- Drafting of isometrics
- Routing design of cable ways / trays
- Lifting plans
- Project management



*Methanol injection skid developed in cooperation with Frames Energy Systems BV*

### Commissioning

Feedback of the finalized systems is essential to continue to deliver added value to our clients, therefore we will attend the fabrication phase ensuring that our systems meet their expectations.

If you have any queries, comments or projects, then please do not hesitate to contact us.

