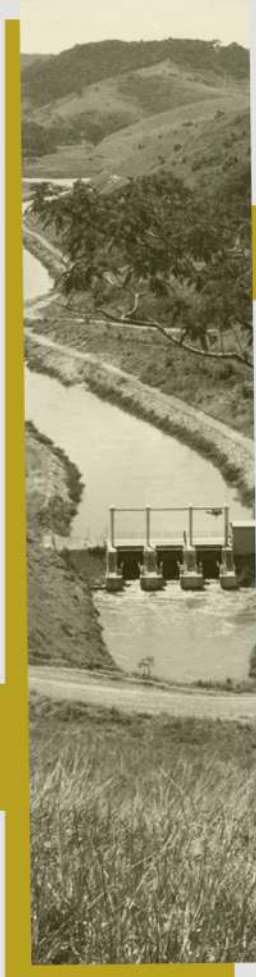


OTHER  
BRANCHES OF  
**INDUSTRY**

MARITIME  
**INDUSTRY**



GREEN  
**ENERGY**



AQUAFARMING



[smedengineering.no](http://smedengineering.no)

OTHER BRANCHES  
**OF INDUSTRY**



**smed**  
engineering BH



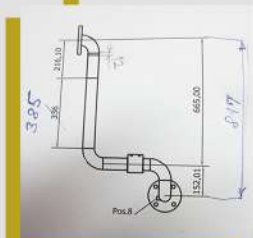


HPU



Tank frame welded

Tank painted



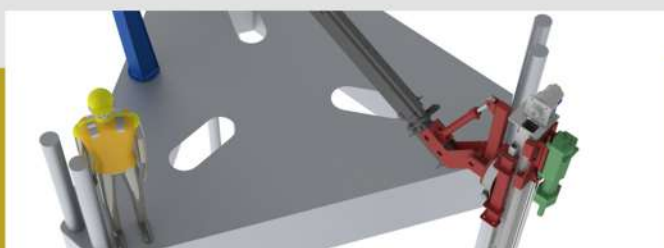
## OTHER BRANCHES OF INDUSTRY

One of the branches Smed Engineering deals with involves the design of tanks and skids for various HPU units.

We offer design services, production drawings and a calculation of individual components and/or complete assembly, as requested by the customer.

## SMED'S DESIGN TEAM CAN:

- develop conceptual solutions based on a client's design specifications
- create 3D models of mechanical parts and facilities
- offer FEA/CAE Services:
  - Static Analysis – Linear Elastic and Nonlinear
  - Dynamic Analysis – Implicit/Explicit (Modal, Harmonic, Transient, etc.)
  - Advanced Nonlinear Analysis
  - Thermal Analysis
  - Fatigue Analysis
  - Computational Fluid Dynamics



Drilling tower detail

Drilling tower  
Preliminary



## OTHER BRANCHES OF INDUSTRY

38

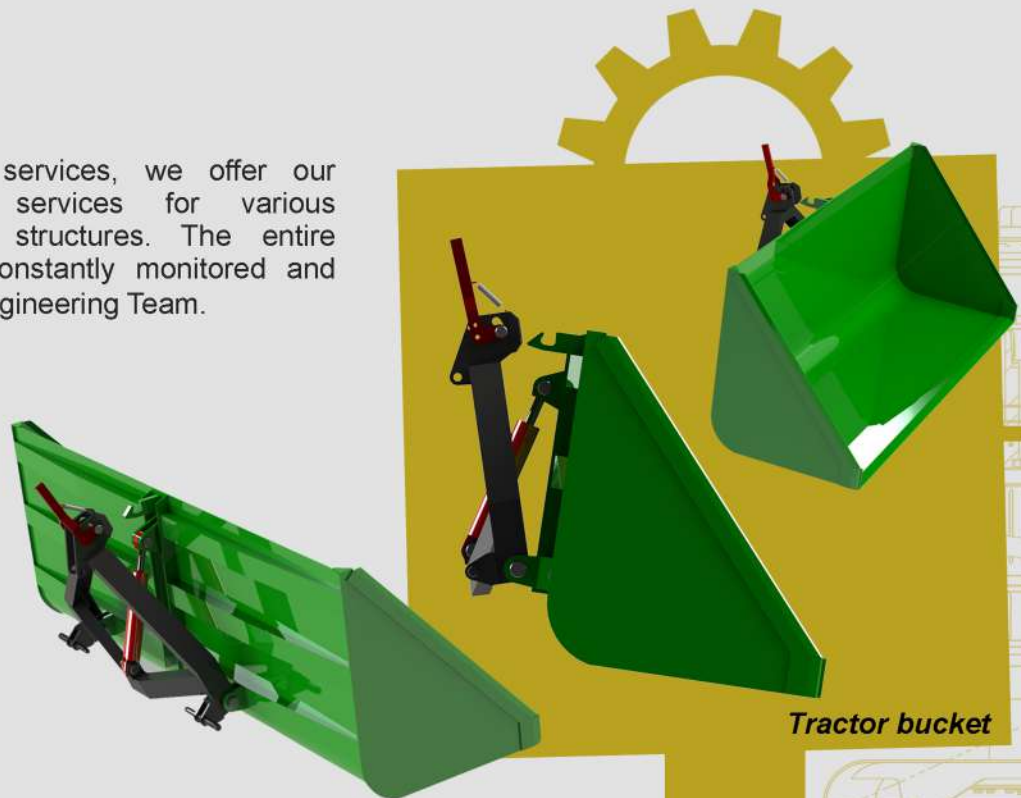
The Smed Design Department creates virtual prototypes which help customers explore many design alternatives before the actual physical prototype and finished product are produced. R & D is an ongoing process which starts with the conceptual design phase, and includes feasibility studies and functional and production analyses which are carried out with computer-aided engineering software and product data management tools. This approach ensures flexibility during the entire design process, as well as the quality of the finished product. With the use of advanced software, Smed designers are able to reduce the occurrence of defects.

- prepare technical drawings (equipment layout, GA drawings, production drawings, etc.), as well as user manuals
- work with clients on product specifications
- give presentations

When working on more complex design projects, Smed Engineering makes use of versatile engineering applications and modern software packages, including:

- SolidWorks
- Autodesk Inventor
- DraftSight
- ANSYS
- Mathcad
- Adobe CC

In addition to design services, we offer our customers production services for various mechanical parts and structures. The entire production process is constantly monitored and overseen by the Smed Engineering Team.





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## REFERENCES

- *Servi Group AS,*
- *Valmet AB,*
- *Skanska AS,*
- *TMC AS,*
- *Kongsberg AS,*
- *Telt Spesialisten AS,*
- *Rorors Produkter AS, etc*