

ENGINEERING

We perform studies

- Business development/planning studies
- Feasibility studies and screening
- Concept studies
- FEED studies
- LCC analyses
- Post-mortem examination (autopsy)

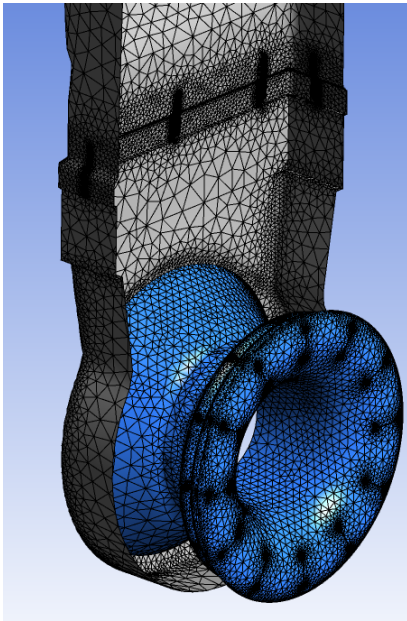


Oseberg D – DG1 to DG3 study – new HRSG

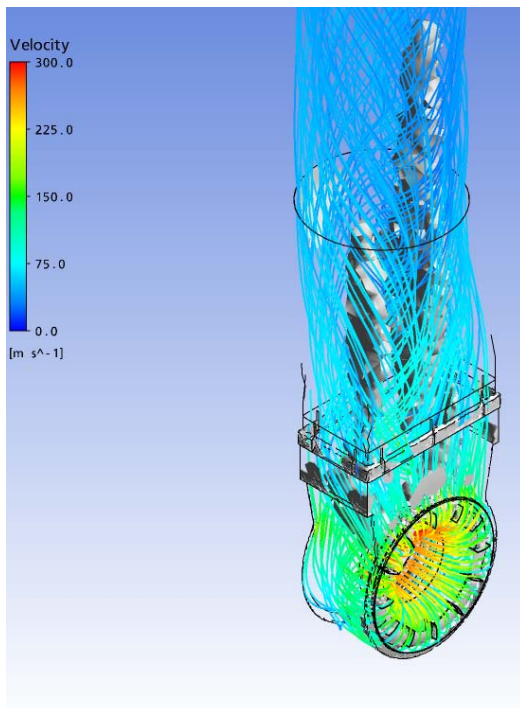


Visund 4 tr. exhaust stack - post-mortem examination at our workshop

- **Structural Analyses:**
We perform structural analyses with STAAD Pro V8 and FEM DESIGN, both programs includes code checking. Further, we use Mathcad and Excel spread sheet for “hand calculations”.
- **CFD:**
For flow analyses (CFD) we use ANSYS CFX-Flo, ANSYS CFX Advanced, ANSYS IECM CFD Tetra/Prism and ANSYS Design Modeler.

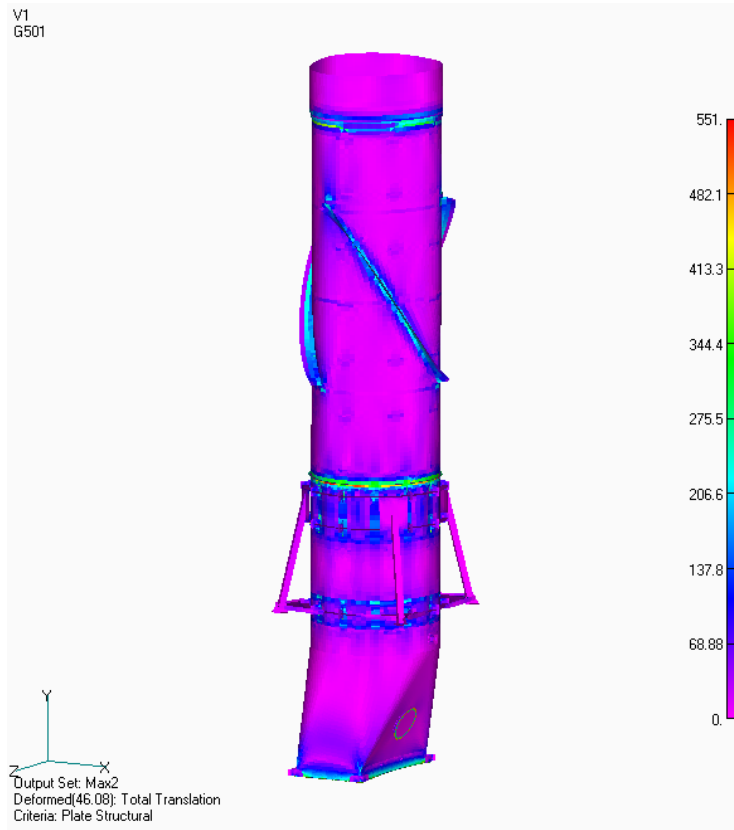


Generated numerical grids



Streamlines, with seed of the observed vortices

- FEM:
For vibration and frequency analyses (FEM) we use NASTRAN Nx1 . (Optional Abaqus, ANSYS)



Typical membra stress indenty by using FEM