

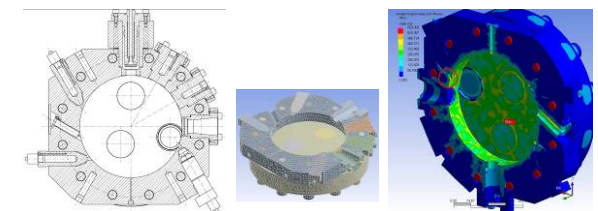
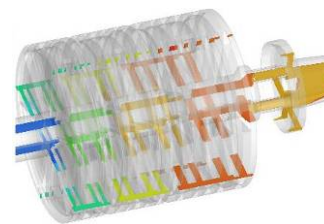
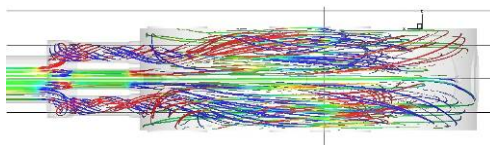
TASK 2.1: Combustion process simulation

Objectives

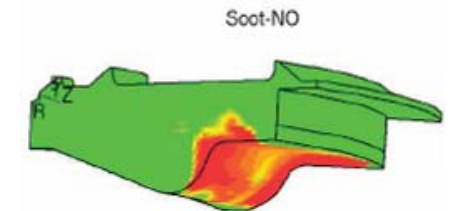
- To perform specialised experiments
- To develop advanced models of in-cylinder processes
- To perform engine optimisation studies

Highlights

- New test facility based on spray combustion chamber (SCC) representative of large diesel engine combustion systems complemented by the major auxiliary systems, commissioning pending.
- Verification of SCC concept and design through extensive simulations and preparation of SCC models for future validation studies.



- CFD application for actual combustion system development started.
- Further development of physical modelling approaches.



Partners:



I.P. HERCULES

Partners Forum, Copenhagen 5/10/2006