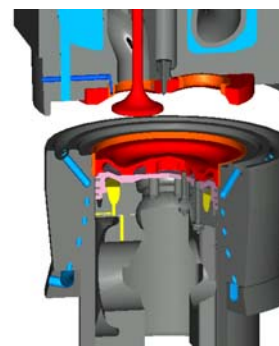
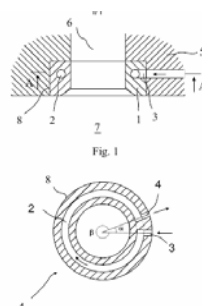
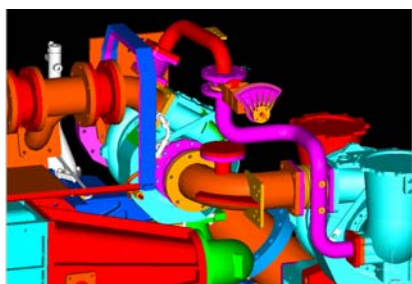
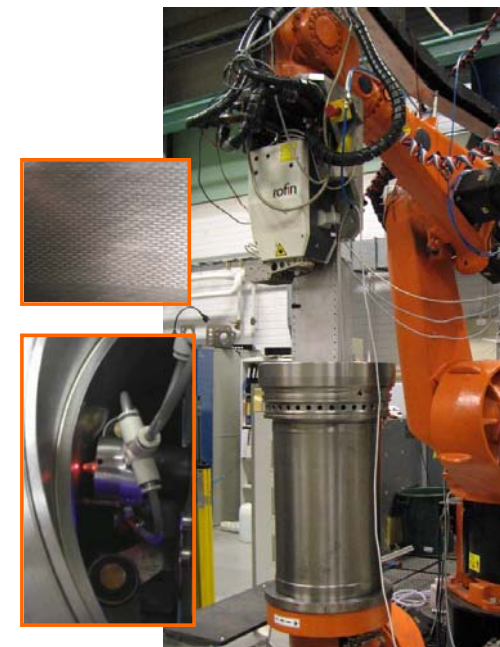
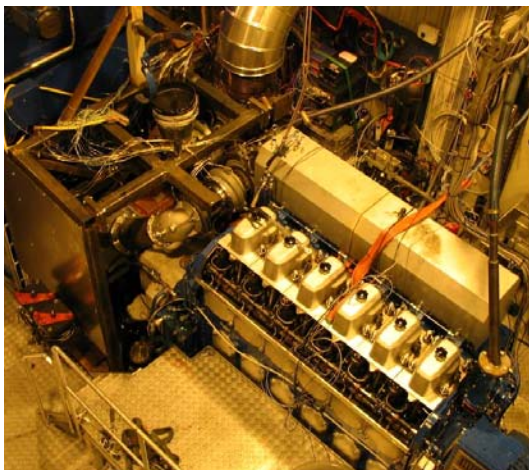


TASK 4.1: Hot engine & turbo-compounding

Objectives: To investigate the potential benefit of combined cycle/turbo-compound systems in ship machinery, develop and test prototype Hot engine components and to deliver prototype turbo-compound system specification

Final Results & Achievements:

- Comprehensive cycle simulation work is carried out. Efficiency improvement of 5.9% is reported.
- A pronounced number of prototype Hot engine components are designed, manufactured and tested successfully. New piston, cylinder liner, exhaust valve seat ring and water/steam injection system are developed in the project.
- Preliminary 2-stage turbo-compound simulation test runs are carried out with 200 mm bore engine



Partners:



I.P. HERCULES