

TASK 4.2: Hot Engine

Objectives:

- Development of an optimized combined cycle concept
- Simulation and development of prototype engine components
- Development of suitable boiler and power turbine technologies
- Onboard tests in an ocean-going vessel

Progress Highlights:

- CFD pre-calculations of 2-stroke engine operation as “hot” engine completed
- Basic calculation routines for exhaust gas data generation for steam turbine and boiler optimization completed
- Simulated “Hot engine” test completed
- System optimization calculations nearly completed
- Design of suitable boiler and turbine components, in progress

