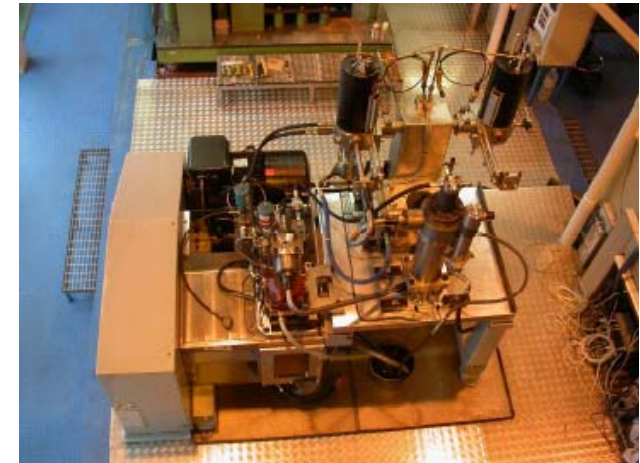


TASK 9.1: Adaptive components

Objectives: Development of engine components with reduced friction and development of adaptive components – full scale tests

Progress Highlights:

- Friction loss mapping of W20 – full scale engine test rig complete
- Bearing technologies – rig measurements and parameters / materials investigations in progress
- Low friction engine components designed - produced – rig tested
- Development of Injection Rate Shaping (RS) Methods ongoing
- Adaptive Components: Magnetic Shape Memory (MSM) actuator for fuel flow control designed – produced – bench tested



Injection quantity, shot-to-shot measurement

Partners:        