

TASK 11.1: Adaptive control

Objectives:

- Feasibility studies in adaptive control of Power Take-In (PTI) turbocompound system and vibration control
- Prototype tests of advanced controls and diagnostics

Progress Highlights:

- Turbocharger PTI modelling and preliminary controller design
- Turbocharger vibration control solutions and actuators - measurements setup
- Identification of faults, engine load estimation models, tests for cylinder balancing
- Definition of adaptive control system structure and preliminary prototype testing
- Prototype system design in progress – Tests planned for 2006

