TASK 3.1: Variable turbocharging

Objectives:

- High pressure turbocharging concepts for two and four stroke diesel engines
- Variable geometry turbocharger components for two stroke diesel engines
- Investigation of electrically assisted turbocharger (PTI/PTO) for two stroke diesel engines

Progress Highlights:

- Feasibility studies of PTI/PTO devices, completed
- Simulation studies of high pressure charging solutions, completed
- Prototype designs on 2- and 4-stroke engines, completed
- Prototype tests on 2- and 4-stroke engines, in progress
- Air assist load pick up capability evaluation, completed
- Air / exhaust wastegate investigations, completed













