

Main achievements during the period 03/05 – 02/06:

- 1. Deliverable D3.1.b1 sent by 12/05 reporting results of:**
 - a) Investigation for potential of variable geometry solution
 - b) Investigations for turbocharging a 2-stroke engine at high BMEP with considerably higher air pressures than today's values
 - c) Requirements for a power take-in solution on the technology demonstrator

- 2. Deliverable D3.1.c1 sent by 12/05 reporting results of:**
 - a) Simulations regarding:
 - requirements for the 1-stage TC pre-tests at high air pressures
 - requirements for the 2-stage TC tests at high air pressures
 - b) Concept verifications for increased load pick-up capability systems

- 3. 2-stage TC pre-tests at HUT started by January -06**

Project status

1. PTI / PTO project:

- Simulations and conceptual investigations are finished
- Design work proceeds as planned
- Final prototype tests planned on the RTX-3 engine 09-11/2006

2. 2-stage turbocharging project:

- Simulations and conceptual investigations are finished for 4-stroke engines (not for 2-stroke)
- Design work proceeds as planned
- Final prototype tests planned on a W20 engine 09-11/2006

3. Load pick-up capability improvement project

- Concept verification tests made, some more tests still to come

