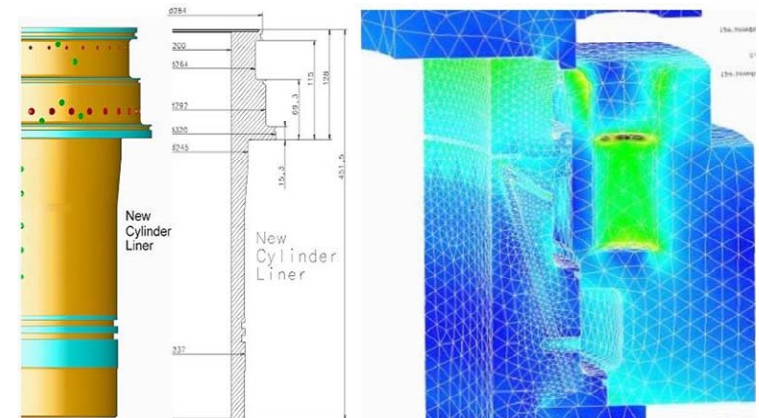
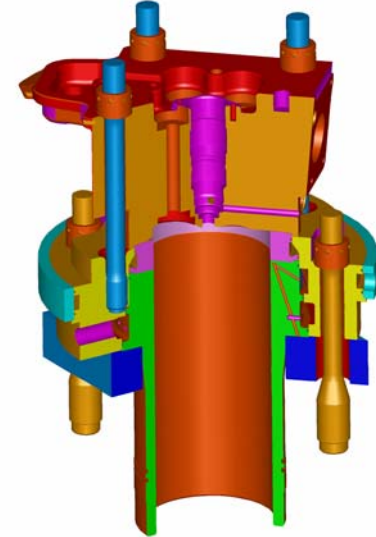


TASK 1.1: Mechanics of engine with extreme design parameters

Objectives: To study the operation of engine under extreme conditions, design new components and test them on a research extreme value engine (EVE) at HUT

Progress Highlights:

- CDF / Cycle Simulations including advanced cycles (Miller) completed
- New components (cylinder head, valves hydraulic actuators) for EVE designed
- Cylinder liner materials mechanical limits study
- Tests with CR fuel injection system performed
- Rig testing of bearings materials / geometry
- Reference tests with EVE to be done end of 2005



Partners:



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