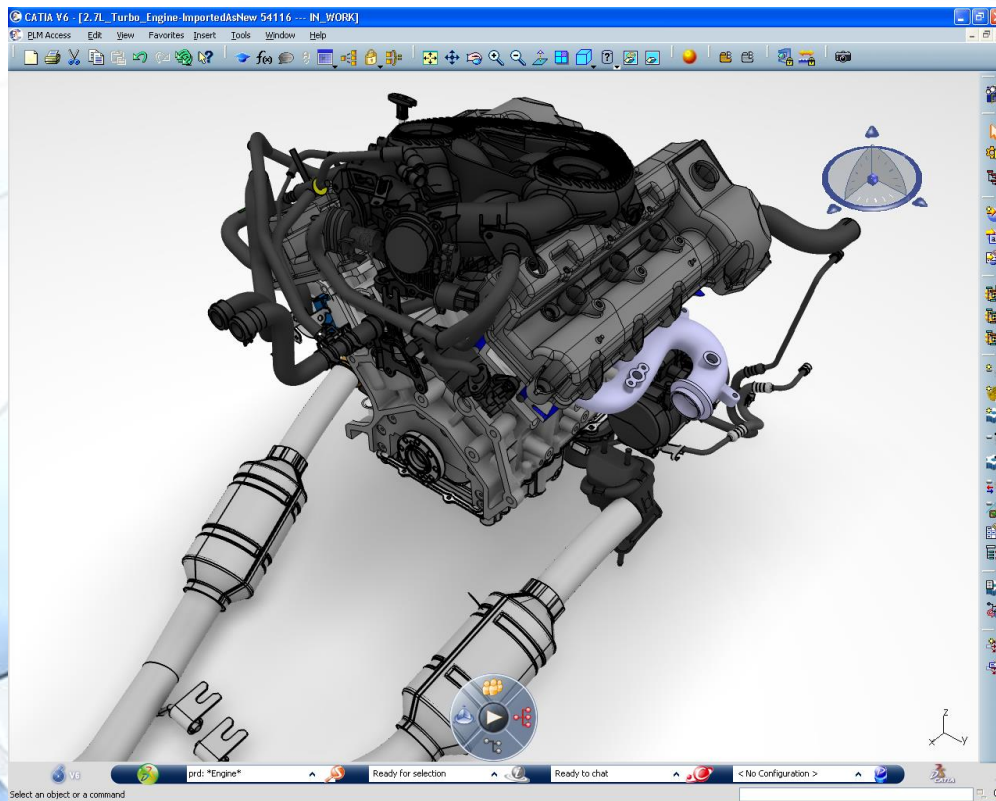


Virtual Design | CATIA Mechanical Product Creation

Managing assemblies from mechanical assembly constraints definition to automatic part positioning and assembly consistency checks

Challenges

- Long design-to-manufacturing cycles are inhibitors
- Design creation is time consuming and design changes are complicated



Highlights

- Integrated PLM assembly tools supporting concurrent design
- Industry proven relational design for effective design automation
- Powerful design environment from strong partnerships with industry leaders
- Automatic parts positioning with contextual constraint
- Kinematics mechanisms automatically defined from the assembly positioning
- Remove repetitive work for symmetrical assemblies management
- Automated design collaboration
- Easy to learn, easy to use photorealistic rendering solution

Benefits

- Boost reactivity, know-how exchanges and validation
- Enable true concurrent engineering on complex parts
- Change design fast by automatically adapting parts and products to new contexts
- Automated motion definition eases check and validation