IPS Cable Simulation
Software for design and simulation of cables and hoses

**Capability**
- Real time deformations of cables, hoses and complex wiring harnesses
- Various material types, cross-section profiles, and kinematical clips.
- Analysis of forces, moments and critical clearances

**Benefits**
- Power (accurate physics)
- Speed (Real time simulation)
- Easy to use (one day crash course)

**Results**
- Used by industry since 2007
- Outstanding in benchmarks
IPS Cable Simulation

Simulation with cables and hoses

Easy creation and handling of cables and hoses
- Easy creation of cables and hoses using Nodes, Mount frames and Grips
- Kinematic Clips for realistic simulation
- Contact handling (external – internal)
- Component Libraries
- Clip Libraries
- Analyze

Envelope possibilities
- Tolerance Envelope: Generate envelope for tolerance on mounting angle
- Motion Envelope
- Motion Sweep

Hose simulation during engine movements
- Wake up CAD geometry
- Create new optimized proposals
- Create hoses, cables and harnesses with correct material properties
- Drag and drop for connection to rigid bodies
- Simulate motion
- Analyze

Easy visualization and measuring
- Visualization of forces and moments
- Value measurements of forces and moments
- Analyze
- Optimize