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