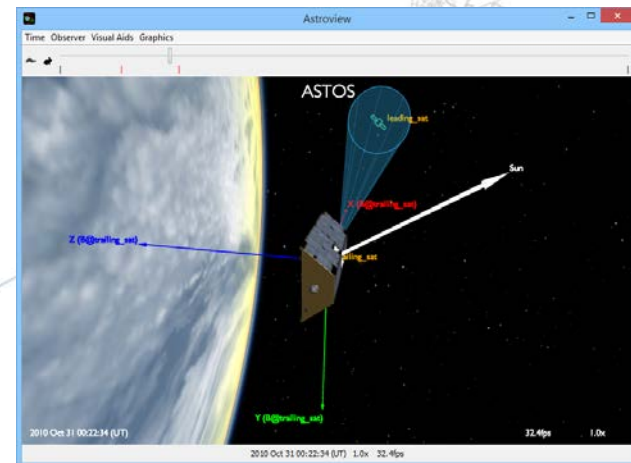
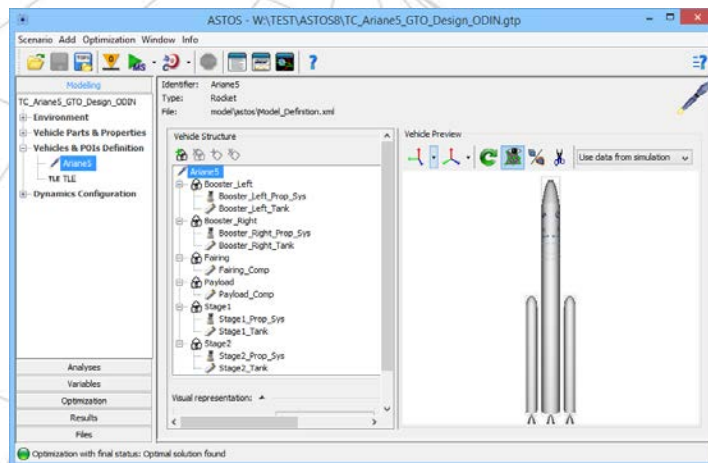


Astos Solutions Company Presentation

The background features a faint wireframe globe on the left and a satellite in orbit on the right. Two thin blue lines connect the globe to the satellite, passing behind the text "SESP 2015".

SESP 2015

- Design & Analysis Tools
- Optimisation Software
- Software & Hardware for Testing

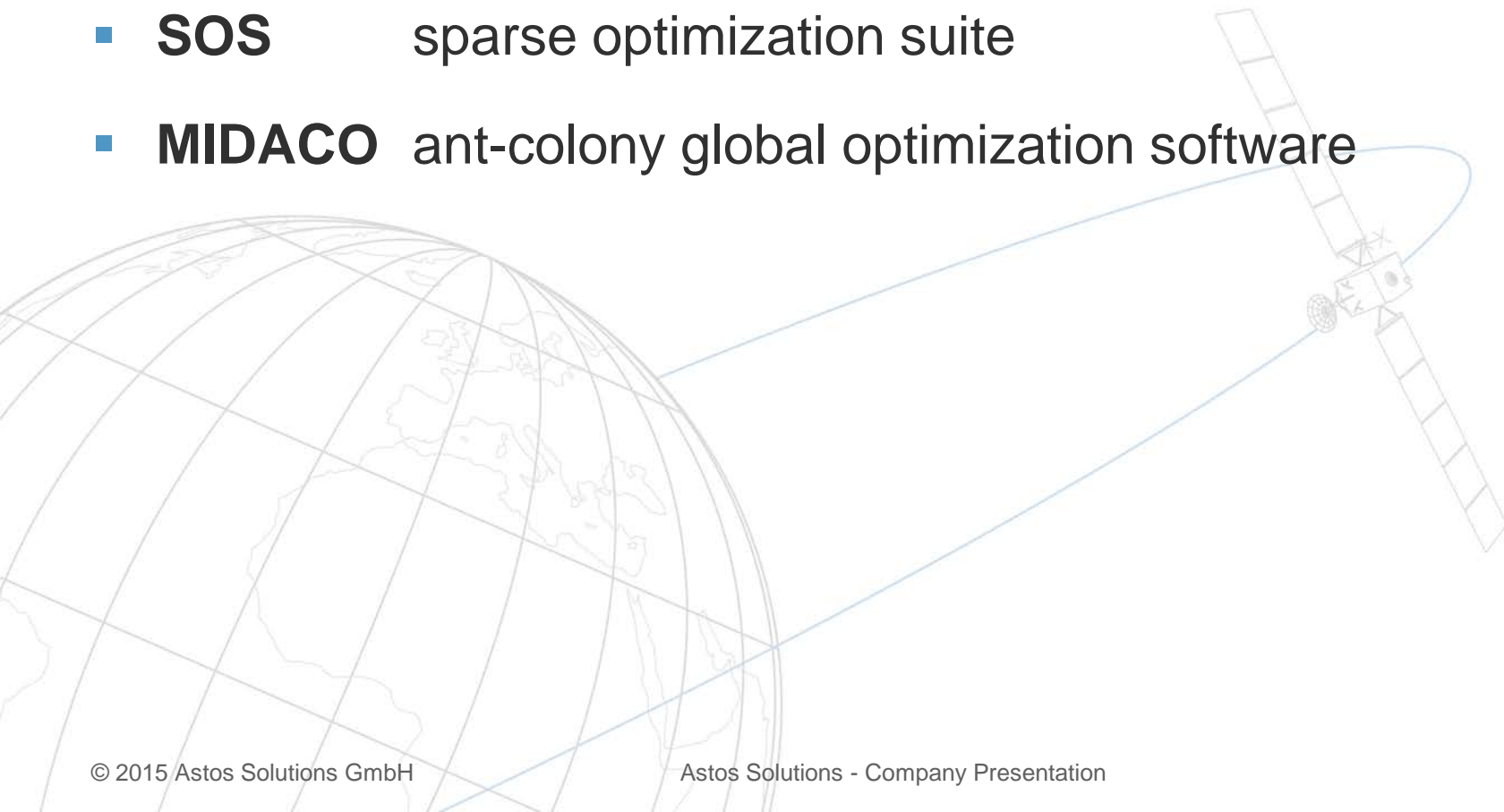


Design & Analysis Tools

- **ASTOS** multi-purpose design & analysis software for space scenarios (e.g. mission design & performance analysis, re-entry risk assessments, system concept analysis, preliminary vehicle design, etc.)
- **LOTOS** low thrust orbit transfer optimisation
- **POINT** optimization of interplanetary trajectories
- **PEET** pointing error engineering tool
- **GAMAG** magneto-static field identification and compensation of spacecrafts and its units

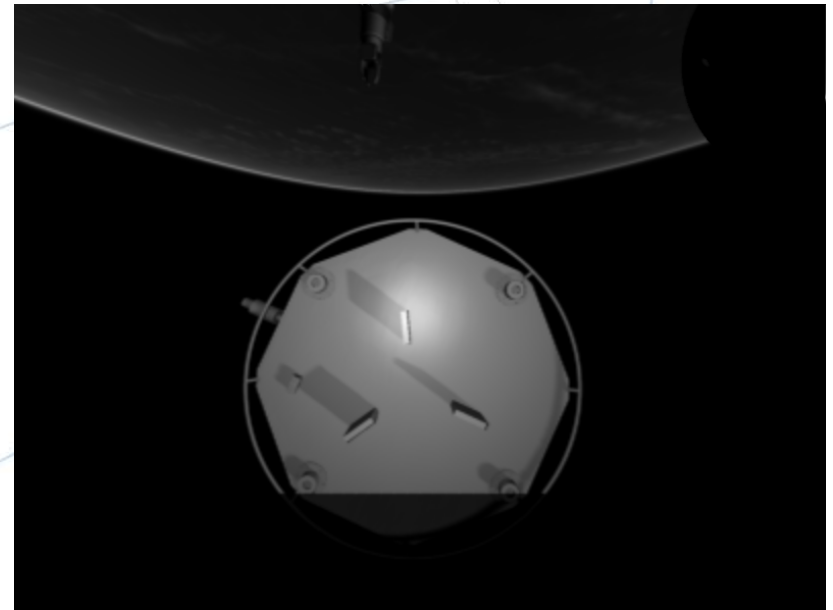
Optimisation Software

- **GESOP** optimization software framework
- **WORHP** sparse NLP solver
- **SOS** sparse optimization suite
- **MIDACO** ant-colony global optimization software



Software & Hardware for Testing

- **Camera Simulator** real-time emulation of raw camera and LIDAR data
- **ASTOS Real-Time** real-time environment & dynamics simulation for MIL/PIL/HIL



- Astos Solutions is also a service provider and potential project partner for a variety of analyses and optimization tasks that are related to the products presented on the previous slides.
- Individual customer-specific solutions can be provided

