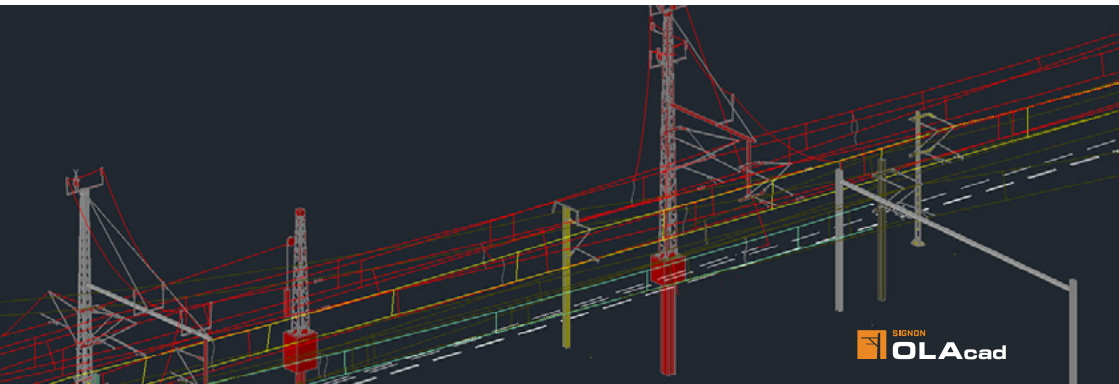




SIGNON OLAcad

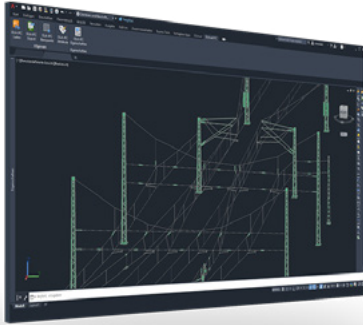
Design of overhead line systems.

Future-Proof Designing Thanks to BIM Methodology

More and more projects in Germany require the use of BIM. To ensure you can continue to meet these requirements in the future, OLAcad supports you in the BIM designing process from the very beginning.

- Quickly plan your entire overhead line system using intelligent components
- Always find the right component from an extensive component library
- Create high-quality 3D visualizations of your entire drawing with the click of a button
- Use customizable levels of detail for more accurate clash detection and customer approval
- Export to the most common BIM file format using the integrated IFC export feature
- Maintain full control over the IFC export and ensure compatibility with any BIM software

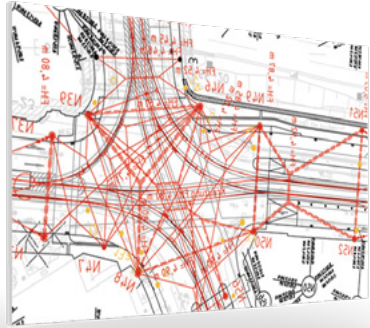
Features



3D View of a Long-Distance Transportation Project

- Predefined “smart” overhead line elements with interactive properties
- Automatic recalculation of geometric data and other parameters following property changes
- Partially automated design steps
- Different distortion scales possible for each axle (“stringing”)
- Comprehensive construction phase designing possible within a single drawing
- Pole and foundation structural analysis according to EN 50119
- Numerous output and export options
- Reimport of modified data sources
- Easy design revision after construction
- 2D and 3D designing
- Support for clash detection in the BIM designing process
- Short learning curve for designers familiar with AutoCAD

Results



Cable Layout Design for a Streetcar Intersection

- Top View (2D) and Perspective View (3D)
- Site or layout designs
- Hiking trail documentation
- Cross-sections
- Data tables for catenary systems, traction power lines, sag,
- coordinates for pole foundations, and pole and foundation plates according to customer specifications
- Structural calculations for new and existing systems
- Export of digital plan documents according to CAD interface specifications provided by various customers

Your Benefits



Time- and cost-efficient designing of new construction, expansion, and maintenance projects



Assessments of technical feasibility available in the shortest possible time



Designing for local and long-distance transit



Manufacturer-independent designing



No restrictions regarding vehicle types



For all designing phases



Various levels of detail

Training Courses By Users, for Users

Our trainers work with OLAcad every day on time-sensitive and both typical and atypical designing projects. The saying goes: Every project is different. With the following training courses, we help you become proficient with OLAcad quickly and sustainably:

2-day introductory training course with a knowledge transfer phase



Day 1

Basic Training (3–6 Weeks): Independent hands-on practice in your projects (our trainers are available at any time to provide support).



Day 2

For advanced training and experienced users, we offer virtual Q&A sessions —4 hours, one expert and your team.

Support

Straight from the field—our power users are your support team

The vast majority of all support requests can be resolved by our experienced OLAcad power users through direct consultation or, for example, by analyzing specific issues in your actual project file.