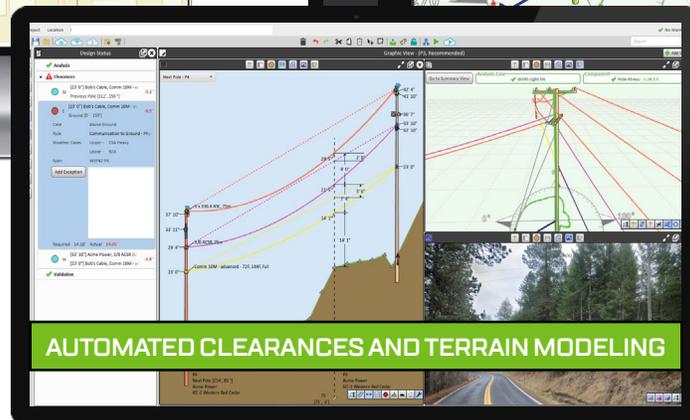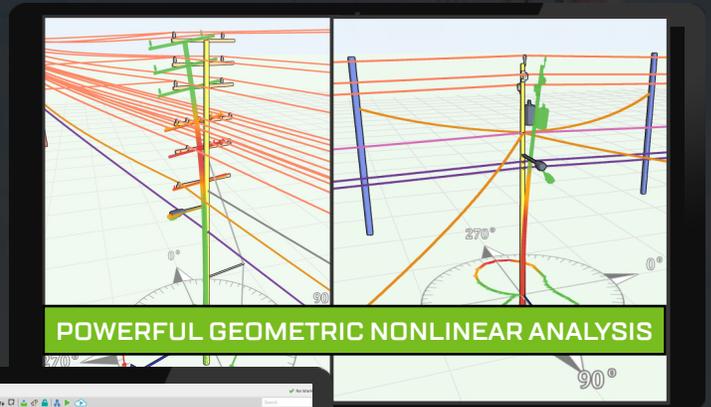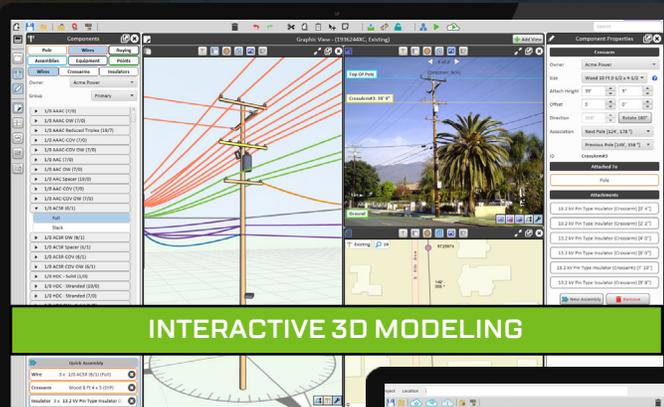# GO BEYOND POLE LOADING
WITH SPIDA® calc

Designed for utilities, contractors, and telecommunications companies, SPIDAcalc is the industry's trusted structural analysis software. While traditional methods of pole loading are manual, tedious, and time-consuming, SPIDAcalc's intuitive interface pairs efficient pole design with reliable analysis results. Its unique platform was developed to go beyond pole loading by creating a digital twin of utility overhead systems and to ease the process of modeling, analyzing, and optimizing overhead T&D assets.

INTERACTIVE 3D MODELING

POWERFUL GEOMETRIC NONLINEAR ANALYSIS

AUTOMATED CLEARANCES AND TERRAIN MODELING

spidasoftware.com

SPIDA
CALC®

SUPERIOR USER INTERFACE

Configurable workspaces can be tailored to individual needs to maximize productivity. Quickly create overhead designs using intuitive drag-and-drop functionality, interact with a live 3D View, or design an entire pole line at once directly on the map.

ANALYSIS ENGINE

Built on the industry's leading geometric nonlinear analysis engine, SPIDAcalc provides robust analysis reporting, including an interactive 3D model showing stresses and displacements as well as an innovative 360° radar chart.

WIRE SAG AND TENSIONS

Validate designs and generate deliverables with SPIDAcalc's sag and tension tools. Define tension by sag and temperature, generate wire sag charts and detailed tensions reports, and ensure compliance with maximum wire tension checks.

ASSEMBLIES

Quickly create pole designs by using standard or user-defined assemblies. Assemblies can be added to a single design or an entire pole line at once, substantially reducing design time.

DESIGN COMPARISON

Quickly identify differences between any two design layers in Comparison View and automatically generate remedy statements. Ideal functionality for quality control and creating work deliverables.

AUTOMATED CLEARANCE EVALUATIONS

NEW for v8.0

Real-time evaluation of at-pole, to-ground, and wire-to-wire clearances as designs are modeled. Visualize defined clearance results in Profile View, Design Status Panel, and generate Excel-based reports to ensure Clearance Requirements are met.

CLOUD-BASED ANALYSIS

Analyze an entire project by sending it to the cloud while simultaneously allowing users to continue working. SPIDAcalc provides scalable horsepower capable of analyzing thousands of complex poles in a matter of minutes.

CONNECTIVITY

Lead and wire connectivity eliminates the need for repetitive modeling of individual structures. A connected environment promotes efficiency and flexibility by allowing users to create, add, and modify an entire pole line at once.

COMMUNICATION BUNDLES

Create a wide array of communication bundles - on the fly within a project or pre-built into a client library. Building, modifying, and reporting on communication cables has never been easier.

TERRAIN MODELING

Enhanced in v8.0

Import terrain data from a CSV or quickly acquire from a service to model and apply terrain throughout an entire project. Define environment regions, such as road and rail crossings along the span, configurable with specific clearance requirements.

SPIDA® SOFTWARE

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