



Distribution Engineering Services

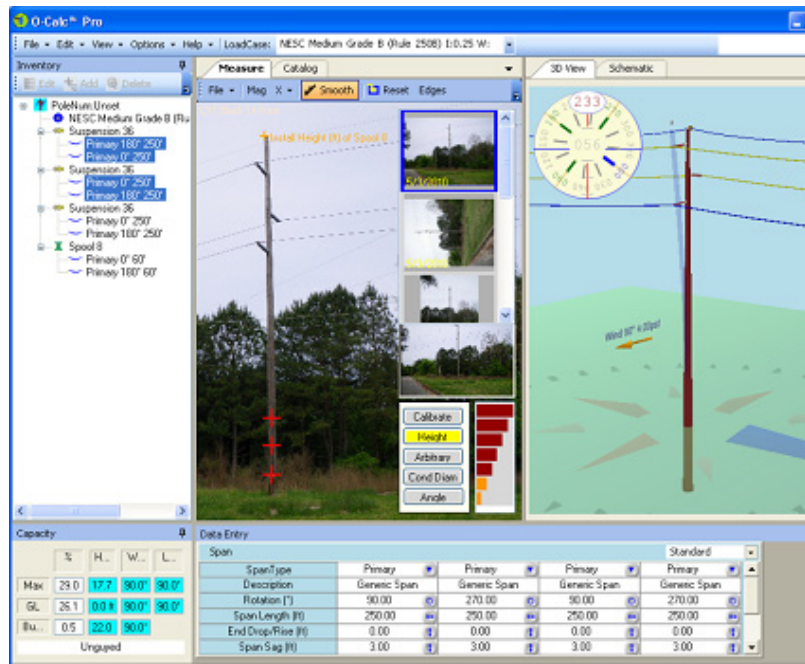
Planning, Analysis, and Design

There is increasing pressure on utilities to respond more quickly to regulatory agencies, demands for reliability, and other significant utility design initiatives. These challenges place a strain on utilities to respond with the expertise required within the prescribed timeframes. Osmose can:

- ✓ Leverage Osmose inspection program to collect information and reduce field visits
- ✓ Supplement your existing projects with top-tier engineering staff and advanced deliverables
- ✓ Provide fast, detailed, accurate analysis and work designs that support your existing workflow
- ✓ Support individual phases of your design processes or manage the entire process turnkey
- ✓ Projects can be supported with PE licenses in 47 states

Osmose is uniquely positioned to help utilities manage these issues. Our diverse project and technical experience enable Osmose to implement solutions designed to provide accurate engineering analysis, effective communication and reporting, and timely completion of key initiatives.

- Structural analysis and design
- Clearance analysis
- Pole replacement design
- Distribution design
- System studies and hardening



Structural Analysis and Design

Osmose is the developer of best-in-class structural analysis software (O-Calc Pro). Structural analysis is a prerequisite for many projects within a utility. Accurate pole load calculations are important when reporting to regulatory bodies, determining the impact of potential environmental risks or designing pole replacements. Utilities often lack the resources to provide in-depth analysis of structures for planning and design projects.

- ✓ Augment your pole loading expertise and resources
- ✓ Meet regulatory requirements for pole loading (related to storms, fires, hurricanes)
- ✓ Ensure your load calculations are accurate
- ✓ Determine proposed designs for cost-effective construction
- ✓ Integrate pole loading into your existing joint use application process to reduce risks from new attachments

Pole Replacement Design

Pole replacements, overloaded poles, and reject poles require engineers and designers to create a work order and design for crews to replace the pole. Osmose provides this solution alongside our pole inspection program to seamlessly take you from inspection to a construction ready work order.

- ✓ Manage a full turnkey process incorporated with your pole inspection program
- ✓ Leverage visit to field during inspection to collect engineering data
- ✓ Reduce costs and avoid backlogs of poles requiring replacement
- ✓ Provide technicians on and offsite who can more cost-effectively tackle your pole replacement design work

Optimized pole life cycle management program supported by Osmose:



System Studies and Hardening

With increasing weather events and regulatory requirements, utilities need to understand the health of their power systems and take proactive steps to mitigate risks and improve reliability.

- ✓ Perform hardening assessments of your system to determine whether it can handle the next storm to minimize impact to your customers
- ✓ Use Osmose's patented ET-Truss to increase structural integrity without the costs and burdens of replacing your poles
- ✓ Engineering and analytics that identify points of risk and prescriptive, cost-effective solutions to harden your system

To contact your local Osmose professional, call 770.631.6995 or email poleinfo@osmose.com.