

TELORICS STRUCTURAL ANALYZER – TOWERS & POLES

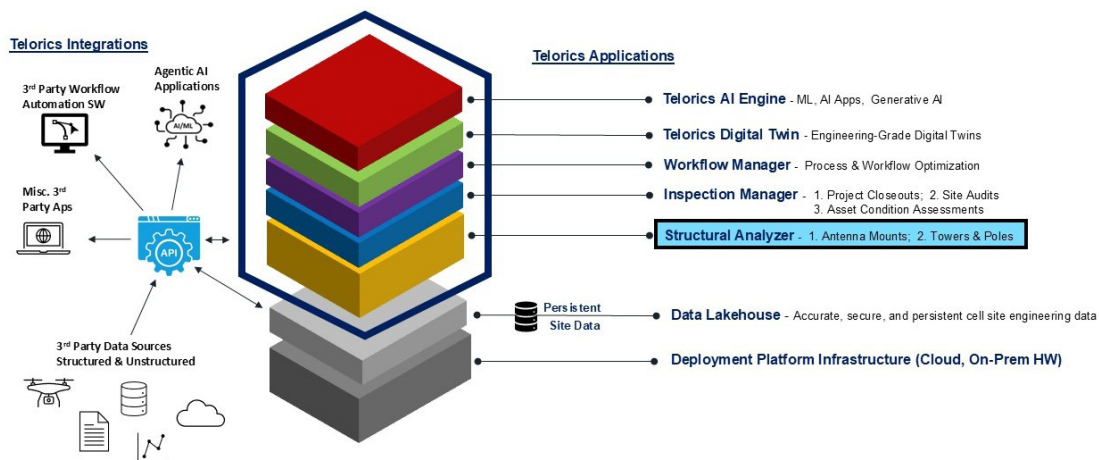


High-Fidelity Engineering Analysis for Mobile Network Macro Structures

The Telorics Structural Analyzer – Towers & Poles application is designed for structural engineers, enabling them to provide precise and consistent assessments of macrostructures, including monopoles, self-supporting towers, guyed towers, and concealment structures. Built to meet international engineering standards, including ANSI/TIA-222, Eurocode, and CAN/CSA-S37, this application helps verify structural integrity during network buildouts, upgrades, and co-locations.

Engineering-grade data from every structural analysis is captured and maintained by the Telorics Software Platform, creating an accurate and persistent structural engineering archive of information for every structural asset across its lifecycle. All data is authenticated and certified by both deployment resources and the engineer of record (EOR) in conjunction with deployment closeouts.

The Telorics Software Platform



KEY FEATURES

- **Structural Loading Assessments and Capacity Evaluations** – For new and existing towers. All primary telecom structures are supported, including lattice towers, monopoles, guyed towers, utility structures, rooftops, and water towers.
- **Field-Validated & EOR-Certified** – Designs and modifications are field-validated and EOR-certified in conjunction with on-site inspections from pre- and post-installations/modifications to ensure reliability, compliance, and data persistence across the structural asset's lifecycle.
- **Automated Stress Assessments** – Automated tower modification evaluations with reinforcement planning, remediation designs, and foundation mapping based on geotechnical data assessments.
- **Standardized Material Kits and Designs** – Design optimization leveraging persistent data models and standardized material kits to reduce steel usage and unnecessary structural reinforcements.

BUSINESS OUTCOMES



Significant Cost Savings

- Map sites only once and leverage the Telorics Platform's accurate and persistent engineering-grade data for analysis across the structural asset lifecycle.
- Avoid costly over-engineering with optimal and precise engineering designs and field-proven engineering templates.
- Eliminate repetitive engineering tasks and unnecessary structural redesigns, optimizing both capital expenditures (CAPEX) and resource allocations.



Faster Site Deployments and Modifications

- Minimize downtime and site visits, leveraging the Telorics persistent engineering data.
- Accelerate the design and deployment process. Enable faster project initiation, quicker infrastructure deployment, and reduced overall cycle times to get sites "on-air" faster.



Stronger Compliance and Risk Mitigation

- Ensure consistent application of international standards (TIA, Eurocode, CSA) with reliable audit trails and documentation for safety, compliance, and insurance purposes.
- Ensure constructability with field-coordinated design and practical retrofits.
- Support accurate leasing, asset management, and co-location planning.



Engineering-Grade Data Capture and AI-Enablement

- Engineering-grade data capture from structural analysis can feed highly accurate and robust datasets into AI models to automate future site planning initiatives.