Telorics
ENGINEERING SOLUTIONS

PRODUCT BRIEF

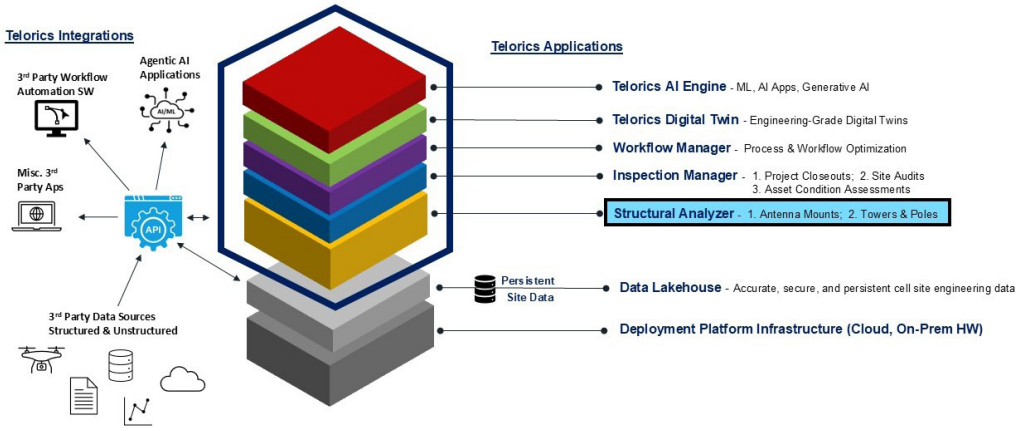
TELORICS STRUCTURAL ANALYZER – MOUNTS

Precision Engineering for Antenna Mount Analysis and Modification Design

The Telorics Structural Analyzer – Mounts application is designed for structural engineers, allowing them to provide accurate, code-compliant analyses of antenna mounts on all types of tower structures. It supports design validation, load capacity analysis, and modification planning to ensure optimal structural performance and safety. Using ANSI/TIA-222 standards, the application helps mobile network operators and tower owners evaluate mounts for new installations and equipment upgrades while minimizing unnecessary replacements.

Engineering-grade data from every mount analysis is captured and maintained by the Telorics Software Platform, creating an accurate and persistent structural engineering archive of information for every mount 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

- **Comprehensive Structural Analysis** – For all antenna mount structures, including sector frames, T-arms, platform mounts, ballast systems, and rooftop anchors.
- **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 Workflows** – Automated evaluations for mount modeling, demand/capacity validation, and retrofit designs, plus integration with close-out processes to enable rapid future reanalysis.
- **Standardized Material Kits and Designs** – Leverage persistent data models and standardized material kits to reduce future mapping and drive deployment consistency and efficiency at scale.

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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.
- Prevent costly mount replacements by identifying safe, code-compliant modifications.
- 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.
- 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.