

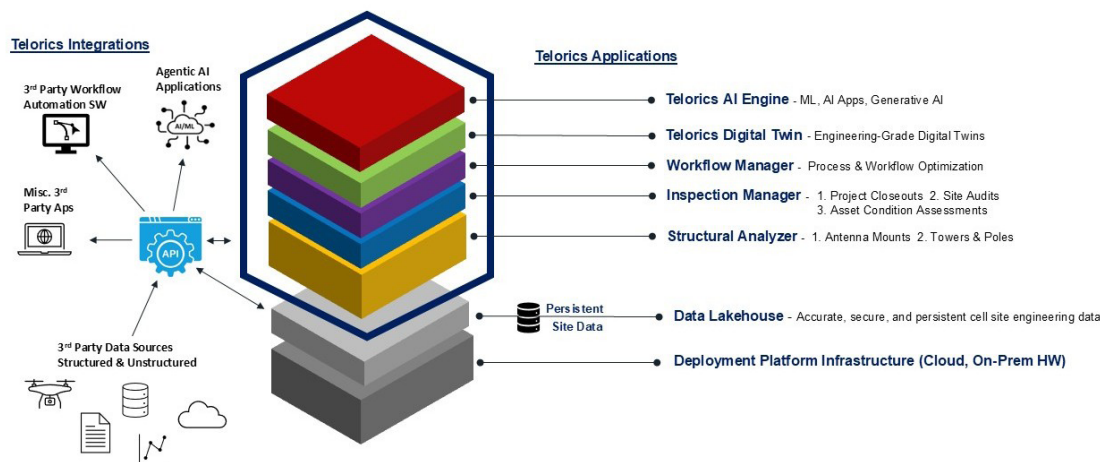
# TELORICS SOFTWARE PLATFORM



## *Engineering-Driven Intelligence Throughout the Entire Wireless Site Lifecycle*

The Telorics Software Platform is a comprehensive **engineering-grade solution** that enables mobile network operators (MNOs) and tower companies to digitize, manage, and optimize their tower and site infrastructure. Purpose-built for structural integrity and lifecycle efficiency, the Telorics Software Platform combines advanced engineering principles, persistent site data, and automation to create engineering-grade digital twins that facilitate precise designs, cost-effective wireless deployments, and effective asset and lifecycle management of network infrastructure.

### The Telorics Software Platform



## TELORICS SOFTWARE PLATFORM AND APPLICATIONS

- **Telorics Structural Analyzer (TSA)** - conducts structural and modification analysis for telecom towers, poles, and antenna mounts, validating capacity, structural integrity, and performance for all structures. The TSA ensures compliant equipment installations and **collects and maintains data** from all engineering designs.
- **Telorics Workflow Monitor (TWM)** - tracks all telecommunications project workflows—from initial design and deployment through modifications and ongoing inspections—providing real-time visibility and accountability across engineering, contractor, and operations teams.
- **Telorics Inspection Manager (TIM)** - enables predictive maintenance through comprehensive lifecycle inspections and condition assessments for all assets within the telecom infrastructure. The **TIM features a mobile application that facilitates data capture** during post-modification inspections, scheduled inspections, and scaled remediation.
- **Telorics Engineering-Grade Digital Twin Engine (TDT) and AI-Engine** - leverage the platform's centralized and persistent engineering data, enabling precise digitization of telecom infrastructure and associated assets with embedded engineering details. Engineering-grade digital twins ensure high efficacy with AI productivity tools, efficient engineering, scenario planning, and operational benefits across sales and marketing through natural language search capabilities.

## KEY CAPABILITIES

### Persistent Site Data & Asset Data Management

The TES platform maintains a centralized Data Lakehouse that contains all cell site infrastructure details, serving as a single source of truth for every tower, mount, and structural component. The data empowers MNOs and Tower Companies to make confident, data-backed decisions leveraging real-time access to:

- Structural drawings and analysis - towers, poles, mounts
- Mount configurations, asset inventories, and condition reports
- Vendor compliance records and post-mod inspection (PMI) data
- Manufacturer specs, geotechnical reports, and CAD drawings
- Full historical data of all site modifications and inspections
- KPI tracking for contractors, projects, and regulatory compliance

This persistent, federated data environment ensures complete site lifecycle continuity—from initial build through modifications, inspections, and maintenance—and enables AI-enhanced decision-making, predictive maintenance programs, and future-ready digital infrastructure planning.

### Engineering-Grade Digitization

The TES Software adds additional value beyond drone imagery and basic BIM overlay data to enable true **engineering-grade digital twins** built from validated and site-specific engineering data, including:

- Real-time structural analysis
- CAD-based mount configurations
- Geotechnical, electrical, and foundation mappings
- Vendor-verified load-bearing specs and capacity data

The engineering-grade digital twins are high-fidelity, trusted, data-rich assets that unlock measurable business value across engineering, operations, sales, and marketing functions.

Leverage interactive and persistent digital twins to support "What-If" scenarios, design validation, space and capacity planning, and automated risk identification. The engineering-grade digital twin is updated with each modification or inspection, ensuring a single source of truth for every site.

### AI-Enabled Insights & Automation

**Natural Language Query Support** - Ask: "Which sites in Dallas need modifications for new 5G panels?" The TES Software will return data-rich answers in seconds.

**Agentic AI Application Support** - Combine TES data with external sources such as weather, resource availability, and equipment specifications to automatically generate BOMs, optimize project timelines, and provide cost estimates.

### Business Outcomes

- **Significant capex savings** per site with optimized designs and reduced material usage.
- **Accelerated time-to-value** with reduced project cycle times.
- **Real-time dashboards** for operations, engineering, and executive teams.
- **Risk reduction** with persistent closeout and condition assessment records.
- **Fewer site visits** thanks to remote access to comprehensive site asset data.