

TELORICS DATA LAKEHOUSE

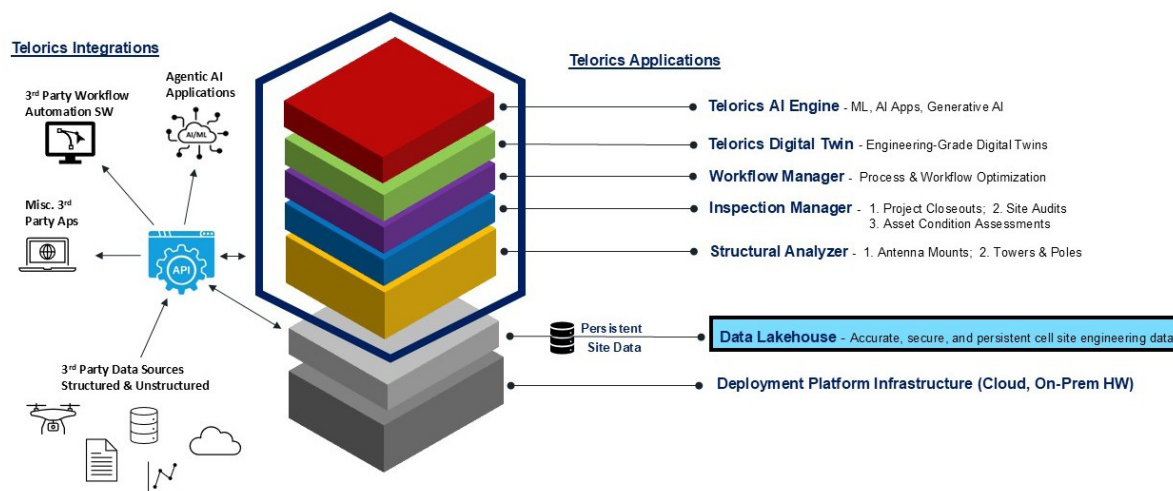


Foundation for Engineering-Grade Digital Twins and AI-Powered Infrastructure Intelligence

The Telorics Data Lakehouse serves as the authoritative data backbone for telecom infrastructure management—capturing, organizing, and maintaining 100% accurate, engineering-verified data from tower, pole, and mount analyses, as well as from field inspections and project closeouts. **Every dataset originates from structural engineering evaluations performed by certified professionals and validated in the field in collaboration with the Engineer of Record (EOR) for each site.**

This engineering-grade data environment establishes an unparalleled foundation for building true digital twins—not just visual replicas, but structurally sound, engineering-grade models that power predictive analysis, risk assessment, and informed decision-making throughout the telecom asset lifecycle.

The Telorics Software Platform



KEY FEATURES

- **Unified Engineering Repository** – Stores 100% actual engineering data, including structural loads, inspection logs, and material certifications to ensure accuracy for mission-critical decision-making.
- **Field-Validated & EOR-Certified** – Data is collected in conjunction with on-site inspections from pre/post installations/modifications and approved by certified engineers to ensure reliability and compliance.
- **Augmentation of Drone & Image Data** – Enhances drone imagery and photogrammetry outputs by supplying qualitative, structurally accurate data for high-fidelity digital twin construction.
- **AI-Ready Architecture** – Structured to power AI tools for structural health monitoring, predictive analytics, compliance workflows, and infrastructure planning.

BUSINESS OUTCOMES



Significant Cost Savings

- Reduces rework, redesign cycles, and site visits by ensuring accurate, field-validated data is always available.



Faster Access to Actionable Insights

- Sales, finance, and operations teams gain immediate access to engineering-backed data to accelerate go/no-go decisions, budgeting, and lease negotiations.



Improved Sales Enablement

- Instant queries from data lake insights help sales and operations teams identify open capacity, structural capabilities, and available upgrade paths.



Stronger Compliance and Risk Mitigation

- Ensures reliable audit trails and documentation for safety, compliance, and insurance purposes.



AI-Enablement and Predictive Readiness

- Supports future-facing initiatives by feeding robust datasets into AI models for predictive site planning and maintenance.