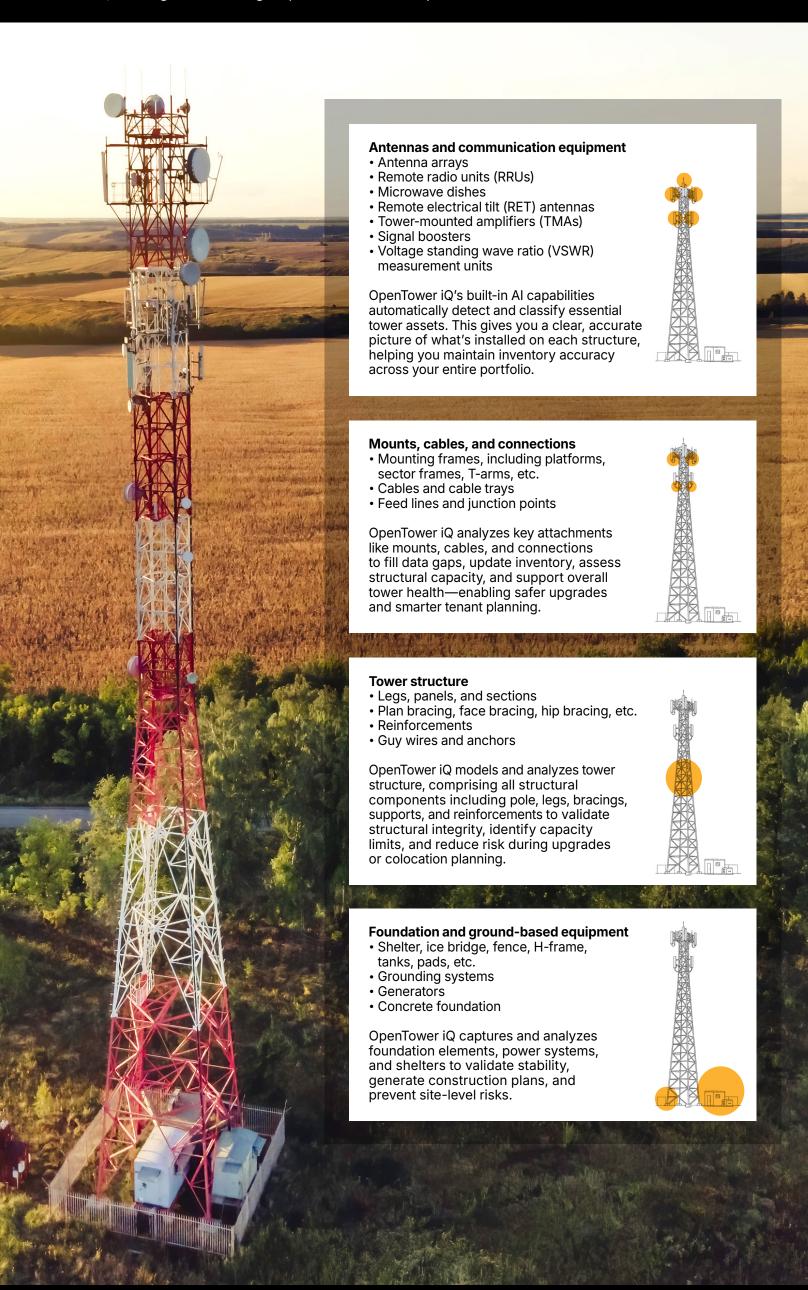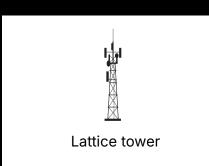# Bentley®

What's on your tower?

A visual guide to AI-powered equipment insights with OpenTower® iQ

Every telecom tower is packed with critical assets, from antennas and mounts to cables, power systems, and structural supports. But without clear, reliable visibility, managing them can be slow, risky, and expensive. This guide breaks down the key tower components that can be automatically identified, classified, and organized through OpenTower iQ's AI capabilities.
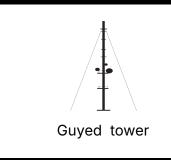
Antennas and communication equipment
- Antenna arrays
- Remote radio units (RRUs)
- Microwave dishes
- Remote electrical tilt (RET) antennas
- Tower-mounted amplifiers (TMAs)
- Signal boosters
- Voltage standing wave ratio (VSWR) measurement units

OpenTower iQ's built-in AI capabilities automatically detect and classify essential tower assets. This gives you a clear, accurate picture of what's installed on each structure, helping you maintain inventory accuracy across your entire portfolio.

Mounts, cables, and connections
- Mounting frames, including platforms, sector frames, T-arms, etc.
- Cables and cable trays
- Feed lines and junction points

OpenTower iQ analyzes key attachments like mounts, cables, and connections to fill data gaps, update inventory, assess structural capacity, and support overall tower health—enabling safer upgrades and smarter tenant planning.

Tower structure
- Legs, panels, and sections
- Plan bracing, face bracing, hip bracing, etc.
- Reinforcements
- Guy wires and anchors

OpenTower iQ models and analyzes tower structure, comprising all structural components including pole, legs, bracings, supports, and reinforcements to validate structural integrity, identify capacity limits, and reduce risk during upgrades or colocation planning.

Foundation and ground-based equipment
- Shelter, ice bridge, fence, H-frame, tanks, pads, etc.
- Grounding systems
- Generators
- Concrete foundation

OpenTower iQ captures and analyzes foundation elements, power systems, and shelters to validate stability, generate construction plans, and prevent site-level risks.

Common tower types:

OpenTower iQ identifies assets and components accurately across all tower types

Lattice tower

Monopole tower

Guyed tower

From top to base, knowing your tower is key to smarter planning, safer upgrades, and stronger returns. Act with precision. Scale with confidence. Lead with OpenTower iQ.