

T-MOBILE EMERGENCY MANAGEMENT (EM)

SATELLITE CELL ON WHEELS (SATCOW)



MISSION // T-Mobile Emergency Management (EM) provides cellular and Wi-Fi services to areas impacted by natural disasters as well as during planned events. T-Mobile EM was primarily using geostationary (GEO) satellite and microwave backhaul for these deployments, and wanted to integrate low Earth orbit (LEO) satellite from the Starlink constellation to provide improved communications support.

SOLUTION // Nomad GCS designed, manufactured, and integrated this advanced mobile solution to enhance response capabilities. Built on a custom dual-axle trailer, it features a 100' pneumatic mast, Starlink™ LEO and AvL GEO satellite antennas, and a vendor-agnostic design for RAN integration. The fully enclosed shelter, equipped with dual HVAC systems and Nomad Total Command™ automation, ensures optimal performance. Powered by a 30kW generator, this unit boasts easy setup with an automatic four-point leveling system and NTC-supported mast deployments.

FEATURES //

- Custom Nomad Dual-Axle Bumper Pull Trailer
- 100' Pneumatic Mast with 3-Stage Deployment Structure
- Secondary 60' Mechanical Mast
- Fully Enclosed Equipment Shelter with Dual Wall Mount HVAC
- Vendor-Agnostic RAN Compatibility Design
- Starlink™ LEO Satellite Antenna
- AvL 1.8M GEO Satellite Antenna
- Nomad Total Command™ (NTC) Asset Automation + Control
- Powertech 30kW Generator
- Automatic Four-Point Hydraulic Leveling System
- Multi-Unit Order

Delivery Date:
10/25/2024

