

SITE DEVELOPMENT & FIELD SERVICES

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FOCUS MARKETS



CASE STUDY

INDUSTRY

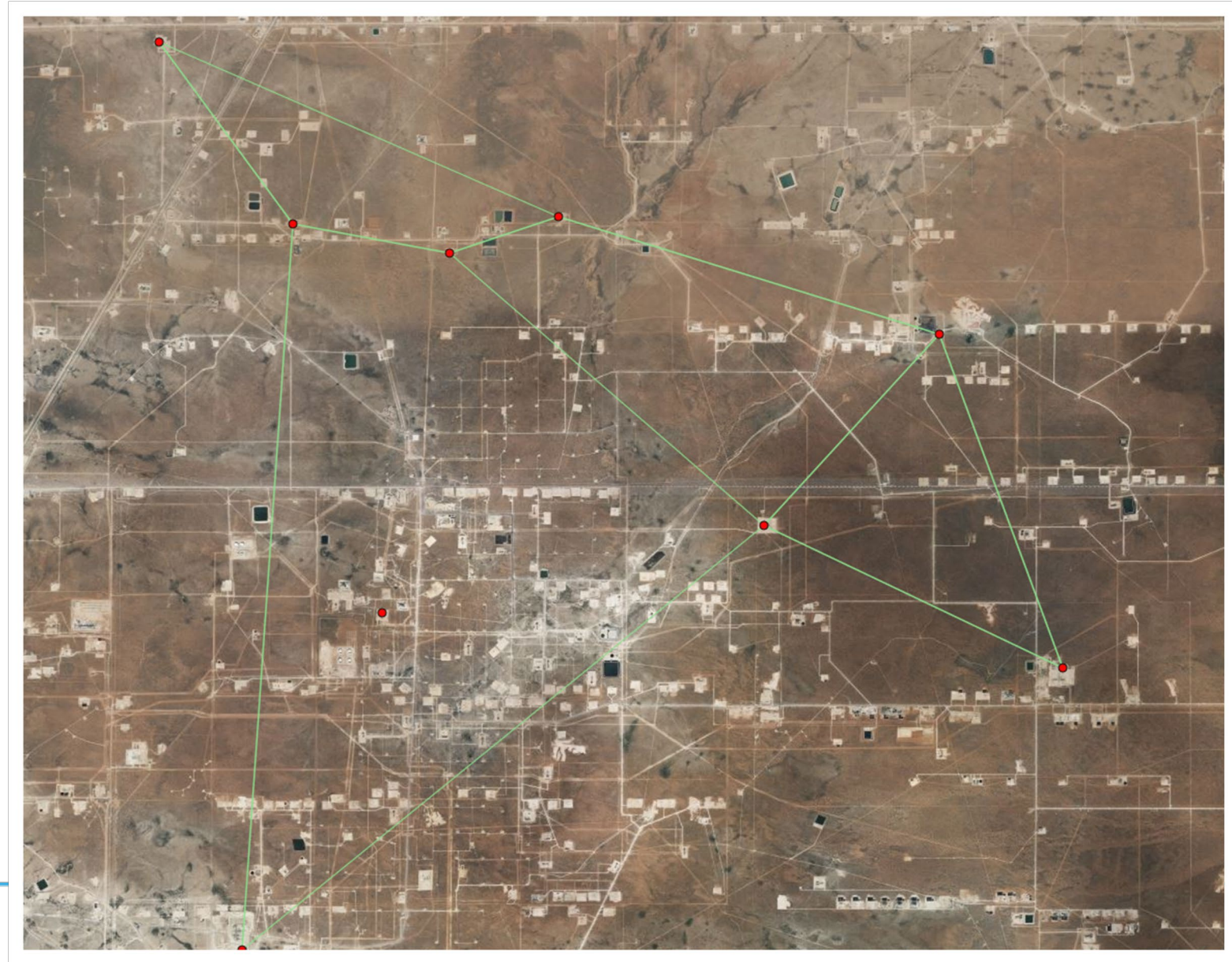
Oil & Gas

CLIENT

Multinational Fortune 150

SOLUTION

Licensed Microwave
CBRS FAN
Site Development
Advisory Services
Private Cellular
LoRA WAN
Cameras
Staff Augmentation



LAB TESTING & NETWORK INTEGRATION

PRE-DEPLOYMENT (FAT Testing)

- Replicate customer network in FT Lab
- Controlled setting to complete network integration tests
- Site solution engineering (Cabinet, Power, Cabling)
- Conduct inter-operability testing
- Establish configuration and installation standards
- Provide hands-on training workshop

FIELD DEPLOYMENT

- Transport network integration
- RAN Commission & Integration
- Network Integration

POST DEPLOYMENT (LAB / FIELD)

- Software regression testing
- Network inter-operability testing
- Drive test, tuning and optimization
- Troubleshooting support w/ Replica Network
 - (Requires coordination with customer and sparing plan)
- Hands on Training



NETWORK DEPLOYMENT

FIXED BROADBAND DEPLOYMENTS

Microwave, Point to Point, Point to Multi-Point
E/V-Band, NB-IoT, SCADA, LoRa, FAN Networks

MOBILITY – MOBILE BROADBAND - IoT

4G LTE, PLTE, 5G, CBRS, Wi-Fi, Mesh, 2G/3G Legacy

LINES AND ANTENNAS

New Site Builds (NSB)
Overlays / Carrier Adds

SMALL CELL DEPLOYMENTS

Indoor & Outdoor Small Cell Deployments
Distributed PLTE/5G Core Deployments (Azure, VM, AWS)
Full turn-key deployments

CELL ON WHEELS (COW) DEPLOYMENTS

Full turnkey deployments

DISASTER RECOVERY DEPLOYMENTS

Tiger Teams, Microwave Teams, COW Teams



CONSTRUCTION

RAW LAND SITE DEVELOPMENT

Full turnkey deployments

GROUND CIVIL UPGRADES

Foundations, Ground Rings, Cabinets
Power Plants, Generators

FIBER/WIRELINE COMPOUND UPGRADES

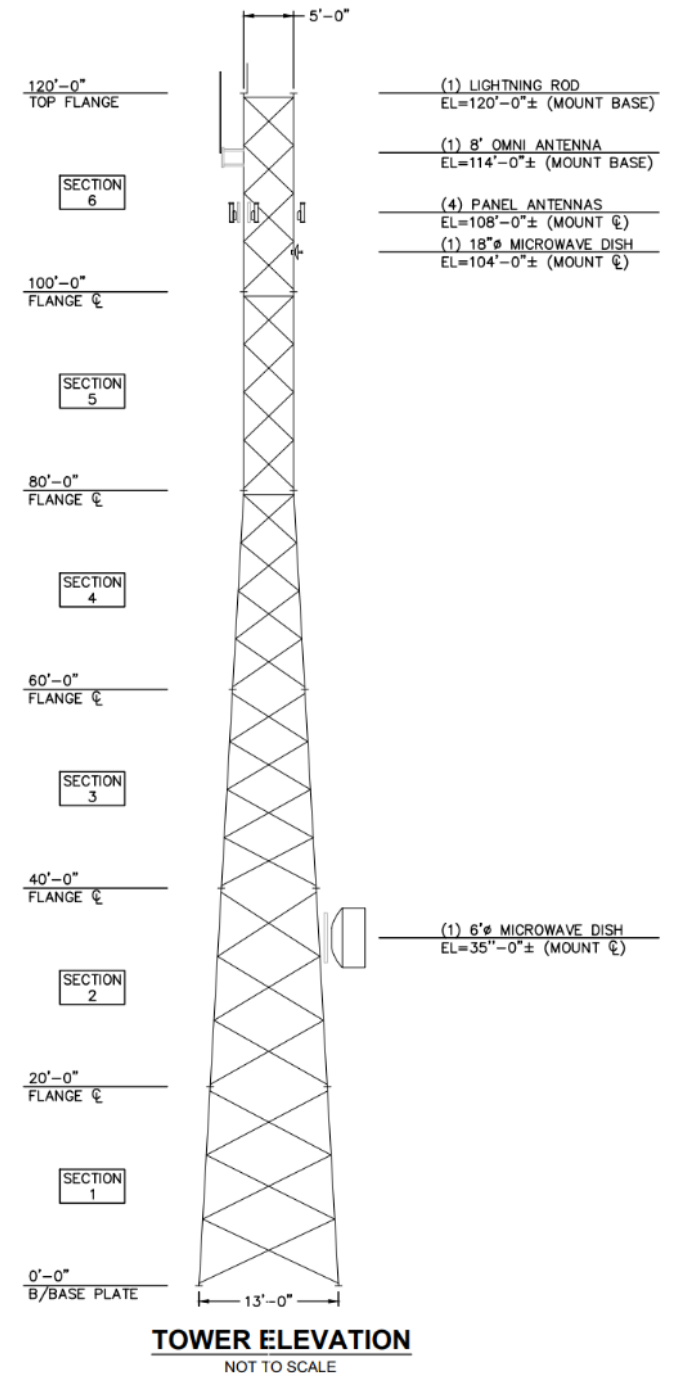
Full turnkey deployments

TOWER CONSTRUCTION

Monopole, Self-Support, Guyed, Stealth, Rooftops
Full turnkey deployments

TEMPORARY MONOPOLE DEPLOYMENTS

Ballast Monopoles



SITE DEVELOPMENT

SITE ACQUISITION

- Site Identification and Assessment
- File and Lease Audits
- Lease Negotiations
- Zoning Assessment and Management
- Permit Coordination & Acquisition

ARCHITECTURE & ENGINEERING

- TIA Tower Inspections
- Tower Mapping
- Structural Analysis, Design & Planning
- Tower & Foundation Design & Detailing
- Rooftop Design
- Electrical Design
- Fiber/Telco Design
- HVAC Design
- Power and Telecom Coordination
- Construction Drawings

ENVIRONMENTAL & REGULATORY COMPLIANCE

- 1A/2C Survey
- Phase I
- NEPA/SHPO Documentation
- Environmental Compliance Documentation
- FAA/FCC Compliance Documentation

PORTFOLIO & ASSET MANAGEMENT

- Master Leasing
- Vertical Assets
- Ground and Tower Equipment
- Tier 1 & 2 Program Management (ATC,CCI,SBA,VB)
- Digital Asset Management as a service

Search Rings

Candidate Packages

Site Selection

Lease Negotiation

Site Design

Permitting

Construction



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DIGITAL ASSET MANAGEMENT

WHAT IS IT?

Asset Management for deployment and operations involves the management, maintenance and organization of documentation for physical assets throughout the entire site and asset lifecycle — including planning, deployment, and maintenance.

WHAT ARE THE BENEFITS?

- ✓ Centralized asset & inventory visibility
- ✓ Consolidated document repository
- ✓ Accessible to field personnel in real-time
- ✓ Inspection interval management
- ✓ Manage and streamline workflow
- ✓ Centralized management of leased sites
- ✓ Identify schedule delays
- ✓ Meet network demand without adding resources
- ✓ Detailed Project Reporting





THANK YOU

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