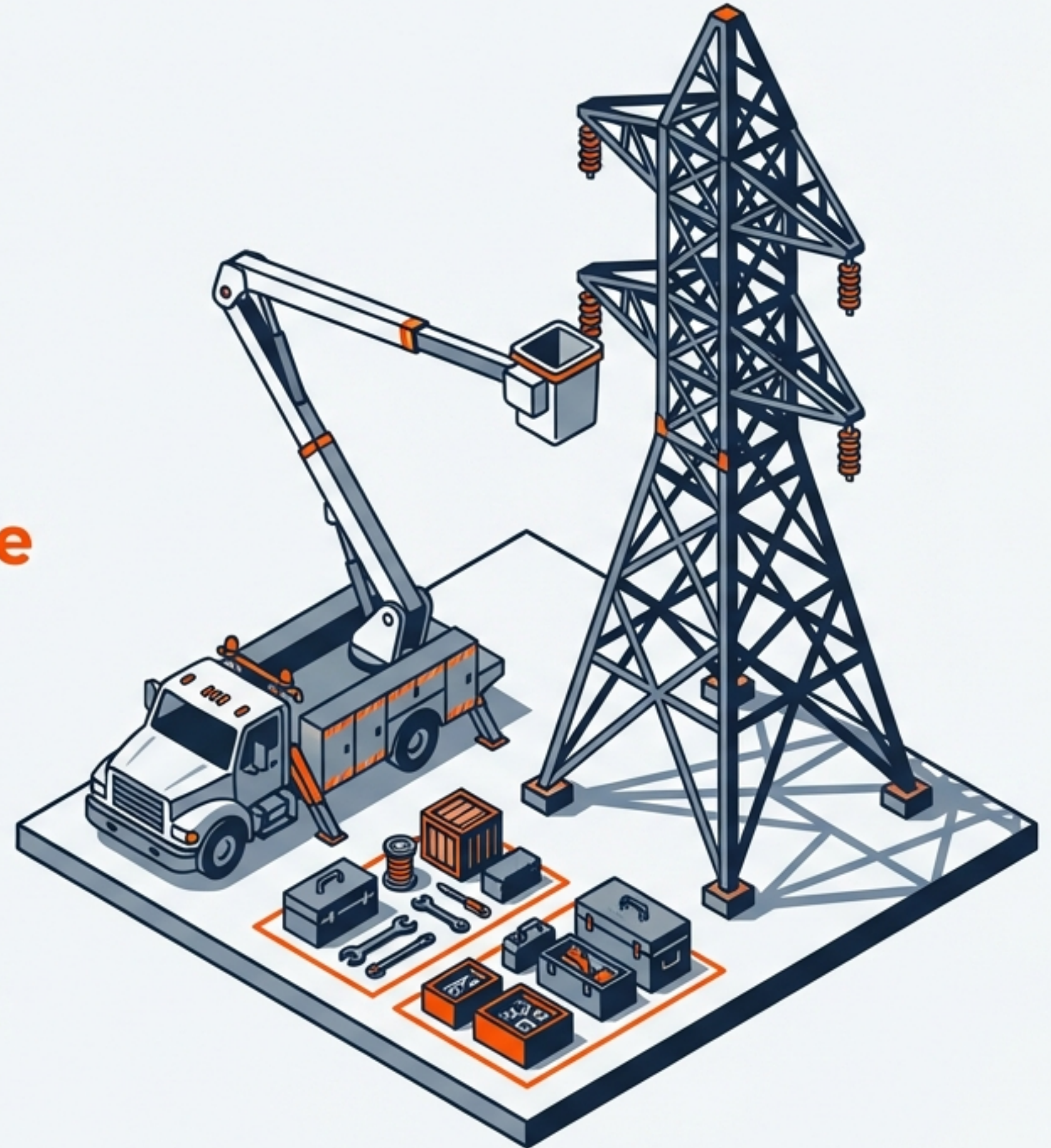


FieldForce Tool Tracker

The Complete Asset Intelligence & Risk Mitigation Platform

- ✓ Purpose-built for utility operations and electrical transmission infrastructure.
- ✓ Combining enterprise-grade tracking software with turnkey physical onboarding and premium loss control.



The \$1 Billion Overhead Black Hole



\$1B Annual Industry Loss

Equipment theft and loss costs the US construction and utility sector \$1 billion annually, with an average loss of \$30,000 per case.



\$260K/Hour Downtime

Unplanned downtime affects 82% of organizations, costing up to \$260,000 per hour when critical transmission tools are missing or uncalibrated.



5-15% Annual Shrinkage

Utility companies lose up to 15% of their inventory yearly. A single lost high-value asset represents a \$5,000 to \$50,000 replacement cost.

The FieldForce Paradigm



Enterprise Software Ecosystem

- Cloud-native, real-time tracking platform.
- Automated left-behind detection & compliance management.



Complimentary White-Glove Onboarding

- Zero-friction implementation.
- Our specialized labor team conducts a complete physical audit and tags your inventory.



Premium Risk Mitigation

- A la carte loss control.
- Integrated replacement insurance, 24/7 security monitoring, and advanced GPS telematics.

The Platform Ecosystem



Operations Dashboard

Built on AWS with a 99.9% uptime SLA. Real-time mapping, KPI tracking, and Time-Series location history (TimescaleDB).



Field Crew Mobile App

iOS and Android native. Offline-first capability ensures functionality in remote transmission corridors without cellular service.



IoT Tag Network

Continuous Bluetooth Low Energy (BLE) and GPS syncing. Automatically tool locations via nearby crew devices.

Automated Chain of Custody and Left-Behind Detection



1. Crew and tools inside the geofenced site.



2. Foreman's mobile device exits the boundary.



3. Tagged tool remains inside, triggering an instant alert.

Continuous Monitoring

Tool-crew-site associations are recorded the moment equipment is dispatched.

Automated Alerts

If a crew device exits the job site boundary while a tagged tool remains, a critical alert instantly notifies the foreman.

One-Tap Check-In/Out

Eliminate paper logs. Scan to instantly transfer custody, record condition photos, and establish auditable accountability.

Moving from Reactive Repairs to Predictive Maintenance

Automated Maintenance Schedules

Track usage and time to trigger preventive maintenance and calibration alerts (e.g., daily inspections, annual servicing).



Worker Certification Enforcement

Ensure workers hold required, active certifications (e.g., Arc Flash PPE, Hot Stick training) before the system allows tool checkout.



Compliance & Auditing

Maintain immutable, audit-ready logs of all maintenance histories, damage reports, and chain-of-custody transfers.



NIST-Traceable Megohm Tester

Maintenance Due
00 : 31 : 33

Calendar View

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

User Profile & Certifications

Arc Flash
Active

Hot Stick
Active

Audit Log & History

Time	Event
12:00 PM	Maintenance Irr I Traceable Megohm Tester
12:00 PM	Damage report of damager: Maintainable Megohm Tester
12:00 PM	Maintenance & Maintenaner Transfers

The Right Hardware for the Right Asset



Level 3: GPS Telematics

Best for: Heavy equipment, bucket trucks, ultra-high-value assets.

Function: Active real-time location streaming anywhere in the world.



Level 2: BLE Tags (Tile Pro / Beacons)

Best for: Power tools, testing gear, mid-value assets.

Function: Up to 300ft proximity tracking, automated location pings, 1-3 year battery.



Level 1: QR & Barcodes

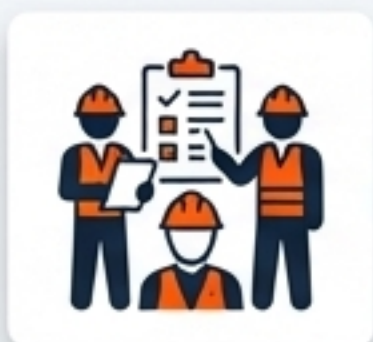
Best for: Consumables, PPE, and low-cost tools.

Function: Fast scanning, digital manual access, low cost.

Complimentary White-Glove Onboarding

Zero Friction

We Do The Heavy Lifting: Software is only as good as the data inside it. We eliminate the administrative burden of implementation entirely.



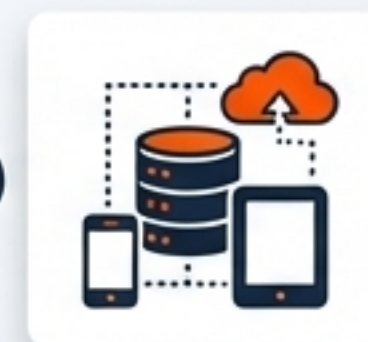
Physical Inventory Audit

Our specialized labor team arrives at your depot or job site.



Hardware Application

We physically apply the optimal mix of QR and BLE tags to your inventory.



Database Construction

We build your initial PostgreSQL database, categorize assets, and map your digital tool crib. You do not lift a finger.

A La Carte Risk Mitigation & Loss Control

Advanced GPS Tracking Services

Dedicated hardware and cellular data plans for active, real-time tracking of mission-critical, high-value assets (e.g., excavators, cable reel trailers).

Replacement Insurance Integration

Automated, seamless coverage for high-value assets officially logged and tracked within the FieldForce system.

24/7 Security Monitoring

Proactive oversight of geofence breaches. If a high-value asset moves outside authorized hours, our monitoring center escalates the alert instantly.

Seamless Enterprise Integration

REST API & Webhooks: Built on OpenAPI 3.1 standards for robust, secure data exchange.



The ROI Equation

- **80% Reduction in Tool Loss**

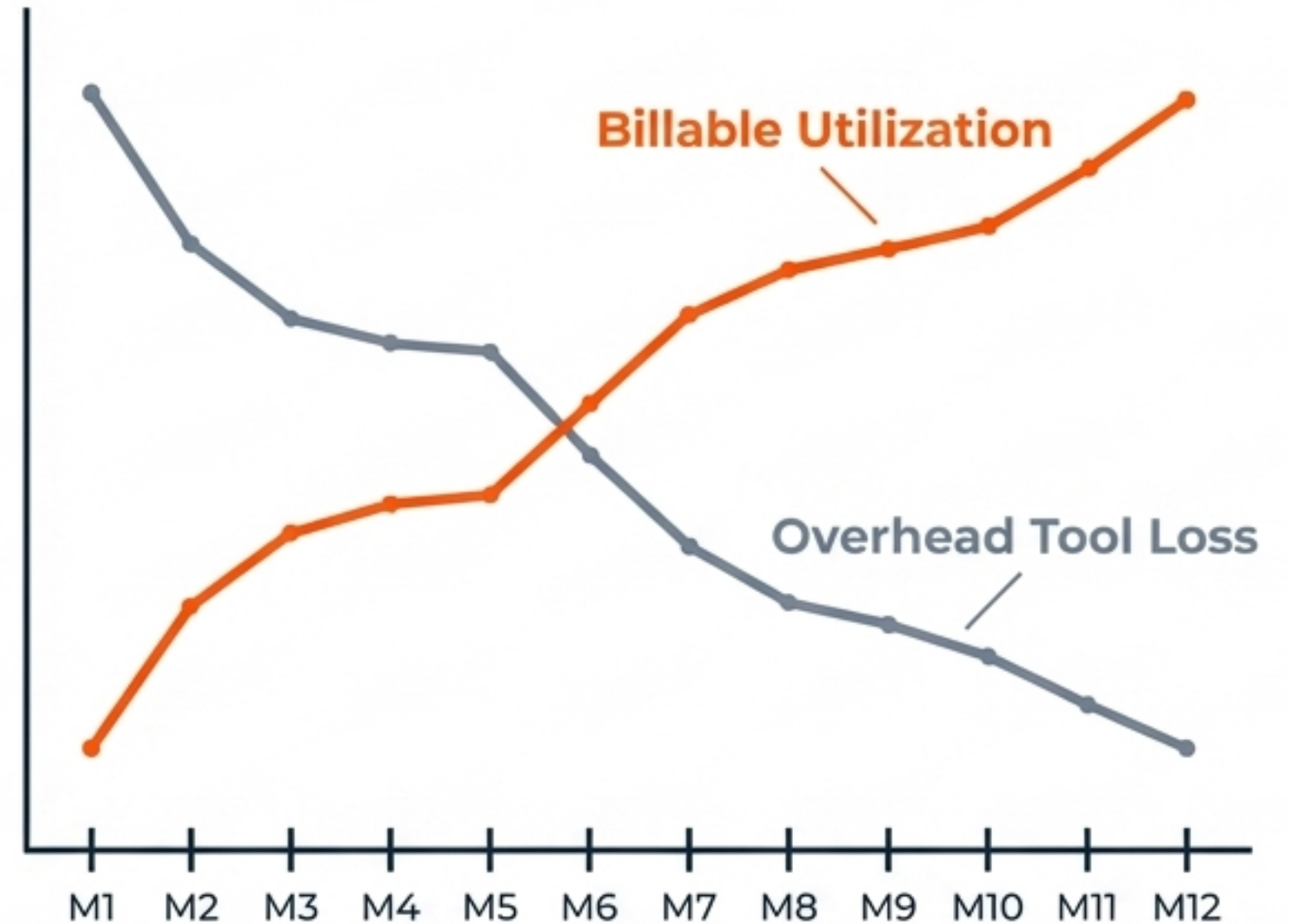
Target minimum reduction of shrinkage within the first 12 months of deployment.

- **Eliminate Hoarding**

Full visibility stops field crews from hoarding assets "just in case," freeing up idle capital and reducing duplicate purchases.

- **Accurate Job-Costing**

Transform overhead black holes into billable assets. Track precise tool utilization per project to provide accurate billing rates to clients (historic implementations regularly recover \$750k+ in unbilled tool utilization).



Accelerated 32-Week Implementation Roadmap

Accelerated by
White-Glove Audit



Phase 1: Foundation (8 Weeks)

Cloud infrastructure setup, user auth, and White-Glove Physical Audit.

Phase 2: Tracking Engine (6 Weeks)

BLE/GPS integration, geofence engine configuration.

Phase 3: Mobile Deployment (8 Weeks)

Field app rollout, offline mode activation, crew training.

Phase 4: Integrations (6 Weeks)

ERP and CMMS REST API connections established.

Phase 5: Go-Live & Hardening (4 Weeks)

Security audits, load testing, and full production launch.

Launch a Low-Risk Pilot

Prove the Value On-Site:

We propose a focused pilot program on a single active job site or regional depot.

Includes the Free Audit:

We will dispatch our team to audit and tag this pilot location at no cost to demonstrate the zero-friction onboarding.

Define Success:

We will benchmark time-to-locate, left-behind alert accuracy, and variance between system records and physical counts.

Next Steps: Schedule a technical scoping call to define pilot parameters.

