



# AT4

LOCATION + ENGINE  
RUNTIME or ENGINE DATA  
WHEN YOU NEED IT



## STANDARD EQUIPMENT TRACKER

The Geoforce AT4 Equipment Tracker enables equipment managers to view engine data and location for portable powered equipment. By providing higher reporting frequency when the asset is powered on and scaling back reporting when powered down, the AT4 allows companies to more effectively manage portable powered equipment in locations where cellular service is available, and the AT4 will store and forward data created when assets travel out of cellular coverage.

## REPORTING RATES

### Powered by equipment (ignition on)

- Reports every minute whether stationary or moving.
- Provides frequent location and engine runtime data during operation.

### While stationary (ignition off)

- Reports every 12 hours.
- Provides location at a lower rate reducing data and power usage.

### Powered by backup battery

- Reports every 15 minutes when moving and every 12 hours when stationary.
- Provides high data granularity as equipment is being moved or transported.

### Improved Powered Equipment Reliability

- Timely asset maintenance detects and corrects small issues before they become big, costly problems.
- Conditional maintenance and alerts based on actual engine data will help you catch problems while they are still manageable while minimizing wasted service calls.
- Collect engine readings from remote assets instead of relying on calendar-based schedules, you'll easily stay ahead of your equipment and asset maintenance needs.

# LOWER MAINTENANCE COST FOR YOUR POWERED ASSETS

Frustrated with **analyzing stale equipment data** and **high maintenance costs**? Often find yourself in “break/fix” mode repairing an asset after failure occurs?

Receiving **critical operational data** from your mobile powered assets is vital to running your business, but often quite the technical challenge. In addition to **location data**, imagine if you were able to receive **engine data** throughout the day from your mobile device or laptop.

Geoforce’s new **AT4 Cellular Asset Tracker** with Engine data enables you to do just that, and in a small compact footprint that works in **harsh industrial environments**.

## MANAGE YOUR ASSETS WITH GEOFORCE

Geoforce designed and built its web-based and mobile software with field operations in mind, enabling us to provide innovative software for all your field asset tracking needs. By combining this cloud-based software with rugged GPS tracking devices and cellular network integration, Geoforce’s software facilitates asset location and retrieval, service delivery verification, inspection compliance, and equipment maintenance alerts. Because field operations don’t have to be chaotic.

## TECHNICAL SPECIFICATIONS

### GENERAL

Network Technologies 4G LTE CAT 1 / CAT M1  
Equipped with rechargeable battery making it an ideal solution for asset management.  
IP68 rated casing, designed to operate under extreme environment against water and dust.

### GPS

**Receiver Type:** 99 channel engine  
**Location Technology:** GPS & GLONASS  
**SBAS Support:** WAAS, EGNOS, GAGAN, MSAS  
**Tracking Sensitivity:** -167dBm  
**Acquisition Sensitivity:** -149dBm  
**Location Accuracy:** 2.5m CEP 50%

### PHYSICAL

**Dimension:** 4.72” x 3.15” x 1.42” (120mm x 80mm x 36mm)  
**Weight:** 250g (0.56 lb)

### LINE POWER

Powered Asset 12V/24V system

### I/O CONNECTORS

Engine Data (Optional): External Adapter  
J1708, J1939 500/250 kps

### STANDARDS

SAE J1455 MIL STD 810  
NEMA 4X / IP68  
RoHS Compliant

### CERTIFICATIONS

**Standards:** FCC, IC, PTCRB, TELEC  
**Carriers:** AT&T  
**Carriers (Module Certified):** NTT docomo, KDDI, Telstra

### CELLULAR BANDS

**AS11 (AT&T):** LTE FDD Cat.M1, B2, B4, B12  
**Antenna:** Embedded cellular antenna

### ENVIRONMENTAL

**Operating Temperature:** -40 to +70 °C (connected to primary power) -20 to +60 °C (operating on internal battery)  
**Humidity:** 95%RH @ 50° C non-condensing  
**Vibration/Shock:** MIL-STD-810G, SAE J1455, SAE  
Ingress Protection Rating IP 68

### BATTERY TYPE

**Backup Battery:** 3.7V 6400mAh  
Lithium-Ion Charging Temperature 0° to +45°