



Asset Tracking Solution

By Unyde Systems Pvt. Ltd.

Proposed Solution

- Unyde Systems supplies an effective and simple e-tracking solution for asset tracking. The company designs, manufactures, and operates an asset tracking solution, a tool for monitoring any asset for readily accessible information for seamless operations, mitigating occurrences of theft and lags.
- ATS tracks, monitors, and reports the status of the concerned asset. In this case, the cable drum will be located via the solution's global positioning system (GPS / GNSS) for outdoor tracking and Bluetooth(BLE) for indoor tracking. Tracking details can be used accessed on an online web portal, which allows us to consistently review the details. Using Google maps, the system can trace property precisely to within 10m of its location.

Technology

- ATS is a combination of three major parts working together in synergy to give desired output/results.
 1. **Tracking Hardware:** GPS-BLE Tracker (For each cable drum).
 2. **Central Server:** Cloud-based Server and Software Programming to run hardware.
 3. **End User Interface:** Web-based platform.

Components



GPS Tracker

To be installed on drums

- Plug & Play device
- GSM based
- Long Battery Life
- IP65



Cloud Server

No Physical Server needed

- High Speed – Quick Deployment
- Data Security & Scalability
- Wireless Data Collection and processing
- Unlimited Storage capacity

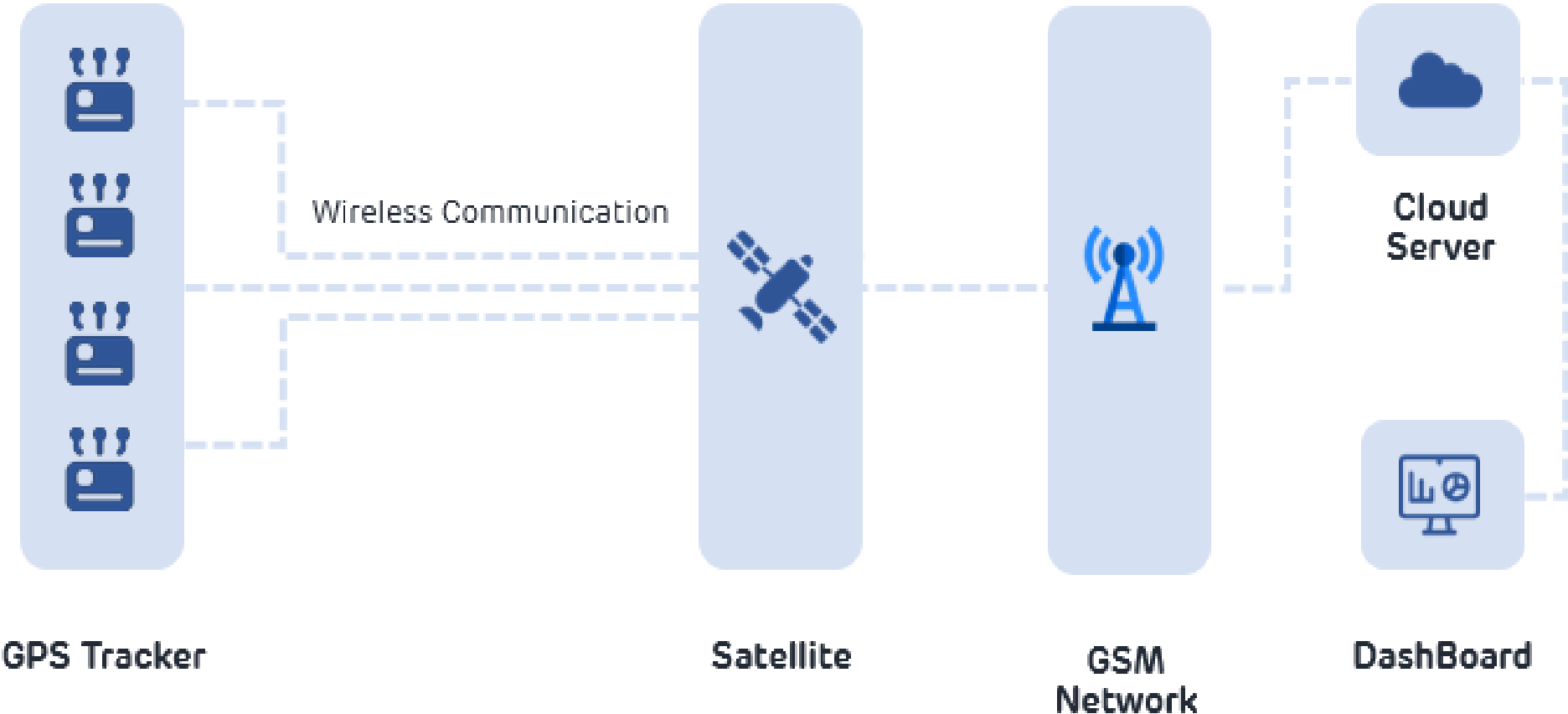


Web based Interface

Can be accessed from anywhere

- Digital Dashboard
- Real time Location
- Reports & Analytics
- Alerts & Notifications

Network Architecture



Device Details

GPS Tracker

A Stand Alone device with an inbuilt battery that uses a GPS/GNSS-based satellite navigation system to determine its movement and geographic location in terms of Latitude and Longitude. Locations are stored and transmitted to an internet-connected device using the cellular network (GSM/LTE).

Description

Material: ABS Plastic

Casing: IP65

Dimensions: 80mm x 60 mm x 60mm

Form Factor: Box Type Enclosure

Weight: 900 grams

Power : Inbuilt Battery

Mounting: Metal Casing with Base Plate and fitment of the device with Nut & Bolt

Technical Specifications

S. No.	Specifications	Description
1	Chipset	ARM
2	Data Communication Support	GSM / LTE
3	Wireless Specifications	GPS Frequency: 1.1 GHz ~ 1.6 GHz GSM Frequency: 900 MHz and 1800 MHz LTE Frequency: 450 MHz to 3.8 GHz
4	Geolocation technologies	Multi-constellation GNSS Precise / GPS for outdoor application
5	Power Supply	14 Ah (5V) Battery with Longer Life
6	Waterproof capability	IP65
7	Position accuracy	< 10 Meter
8	Alerts & Notifications	The frequency of location determines the battery life.
9	Operating Temperature	-20 to 80 degree
10	Warranty	1 Year
11	Make & Model	UNYDE (Make in India)
12	Weight	900 grams
13	Approval / Certification	CE, WPC

Features

Real-time Location tracking

Geo Location, IoT, and AI-based highly accurate tracking. Web-based management to track the real-time location of the cable drum. The system will track the asset precisely with 10m accuracy of its location.

Digital Dashboard

A digital dashboard that will act as a business intelligence tool that allows the management to track, analyze and report based on real-time data and metrics. A cloud-based platform which can be assessed from anywhere and at multiple locations simultaneously. A modern, interactive dashboard will make it easy to combine data from multiple sources and deeply explore and analyze the data directly within the dashboard, and generates custom reports for management.

Long Battery Life

The device will carry long battery life and is rechargeable too. Battery Management system in the dashboard which will raise an alarm in case of a critical battery (less than 20%).

Features

Stand Alone System

Stand-alone system with no physical server and no wiring with the minimum infrastructure required for Installation. Easy installation and dismantling make it feasible to complete large numbers in a quick time.

Secured Server

Secured Cloud-based Server with the implementation of the latest security protocols to avoid any data breach and security threats. Firewall protection along with all necessary protocols and certificates make our server 100% free from intruders.

Reports & Analytics

System software will combine data from multiple devices, analyze the data and generate custom reports and unmatched analytics for management to explore the concerning areas.

Client List from similar Track & Trace Projects.

- **DMRC (Delhi Metro Rail Corporation)**

Solution: Real-time Train Occupancy Monitoring System with train positioning.

Location: Delhi

- **Crompton Greaves**

Solution: People Tracking

Location: 9 factories in 3 States (Himachal Pradesh, Goa, Gujrat)

Form Factor: Smart Tag

Asset Covered: 3000 No

- **Adani Mines**

Solution: Fleet Management System

Location: 5 Mines in 3 States (Orissa, Chhattisgarh, Madhya Pradesh)

Form Factor: Tracker device

Asset Covered: 925 No.

About Unyde Systems

UNYDE is an Indian Startup working on Location Intelligence founded by experienced entrepreneurs and advised by Industry Veterans. Technologies developed by UNYDE are majorly consumer focused and are targetted towards bringing online like intelligence to offline. Having filed a patent for Positioning System.



Organizations using our Solutions



+ 122 more