

# Track and Trace



## Challenges

**Lack of asset Visibility:** Real-Time visibility of assets not being available reduces the efficiency and utilization

**Theft / Misplacement:** Assets are misplaced during put-in or put-out operations

**Under Utilization of Assets:** Not Tracking the actual utilization of the assets often leads to re-ordering of already available assets or not ordering critical assets on time



## Track and Trace Solution

The Smart Asset Track and Trace solution from Wipro addresses the challenges faced by different industries in tracking indoor and outdoor assets. The solution leverages IoT and cloud technologies to track different types of assets and monitors the asset's real time location to increasing asset visibility, reducing theft/misplacements and increasing over all operational efficiency.

The end-to-end solution offering includes – Sensor Tags, IoT Gateway, Connectivity, platform, and a cloud-hosted Track and Trace Application which is secured end to end. The solution can be integrated with enterprise systems for Asset Management, Inventory Management, and other ERP systems to provide seamless operation with high degree of automation.

## Benefits



### Increase Asset Location visibility

Increased asset location visibility to reduce human effort in locating assets.



### Reduce Losses and Reconcile

Asset monitoring and geo-fencing to reduce loss/theft and increase accountability.



### Increase Operational Efficiency

Near real time monitoring to increase overall operation efficiency.

## Wipro and AWS

Wipro is an innovation-led Cloud provider, helping enterprises in their digital journey. Wipro is a Premier Consulting Partner. We help customers with their business transformation journey across the entire cloud lifecycle. Whether through strategizing, migrating, innovating, or operating, Wipro enables customers to make the most of AWS industry-leading technology platforms and services. Our proven track record of successful AWS migrations, deep expertise in AWS, and outstanding execution approach helps accelerate customer's AWS journey. Wipro's unique Business First strategy, supported by strong industry domain solutions in partnership with AWS, positions us uniquely to help the enterprises of tomorrow to drive customer experience, business acceleration and connected insights. Leveraging AWS IoT capabilities Wipro has been able to provide a seamless indoor and outdoor asset tracking solution which could be used to track different types of assets. AWS IoT provides a highly scalable, secure and enterprise ready platform which works as the backbone of the solution collecting location data from different tags.

## Features



### Real Time Tracking

Real time tracking of asset location to increase asset visibility to reduce human effort in locating assets. Thus increasing labor efficiency and utilization. Leverages different IoT tags to get real time location.



### Different Asset types

Can connect to different asset types and classes.

- Asset Class Supported: Man, machine, and material
- Asset Types Supported: Powered assets, and unpowered assets
- Type of Tracking Supported: Outdoor, indoor, and in transit

## Why Wipro?

Wipro's Industrial & Engineering Services (IES) is the driver of Engineering Services portfolio of offerings and facilitates 500+ clients across multiple industries / verticals globally with a platform to innovate and engineer the products, platforms and technologies at scale. We term this platform of service offerings as "Engineering NXT", with 400+ patents, Engineering NXT continues to deliver services by leveraging IP's/Frameworks, Engineering processes and unique Global Delivery execution models across the technology stack covering connectivity (Wireless technologies), Cloud and Data Platforms, Systems Design, VLSI, Next Gen Software Development and Testing Processes and Industrial Automation (IoT, Industry 4.0).

## Get started with Wipro and AWS

<https://www.wipro.com/en-IN/cloud/awspractice/>

To power your cloud journey with Wipro and AWS, write to [aws.practice@wipro.com](mailto:aws.practice@wipro.com)