



Asset Telematics

IoT | Analytics | Cloud | Mobility

Executive Summary



Asset Telematics is a Global IT and Digital Solutions Provider Committed to Quality and Innovation

A reliable partner for robust, scalable & innovative enterprise level software solutions on **IoT, Web, Cloud & Mobile** based solutions

Started as a GPS-tracking and Fleet Management provider, we have evolved over the years to meet industry needs

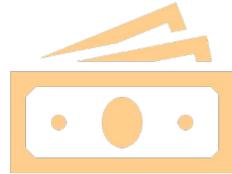
Key Service Lines

- Engineering Consultancy
- Digital Transformation
- Product Engineering
- Mobile Computing
- Quality Engineering



Market Leader in Fleet Management Solution

- Pioneer in developing enterprise-level asset tracking & monitoring solution



Project Cost Optimization

Reduced 20-30 % project development cost for customers with the help of our re-usable components



Global Company

- Headquartered Hyderabad, India
- Development centers in Hyderabad & Bangalore
- Presence in Singapore

15 years

In the business

2000+

Reusable Components

20k



Assets tracked

100+



Global clients

5 Major Telcos
2 Fortune 200
1 Fortune 100



countries

9

200 Employees worldwide



Industry Recognition & Certification

nasscom
Member



ISO 27001:2022



Our Client



Our Services



Product Engineering

- Software Product Development
- Product Modernization
- Maintenance & Support



Mobility

- Android apps Development
- iOS apps Development
- Hybrid & PWA Apps development



Digital Transformation

- Application Modernization
- Business Workflow Automation
- Enhanced User Experience



Internet of Things

- Connected Automotive
- Fleet Management & Truck Dispatch
- Asset Management



Technology Consulting

- Full stack App development
- Database development
- Mobile App development



Cloud Solutions

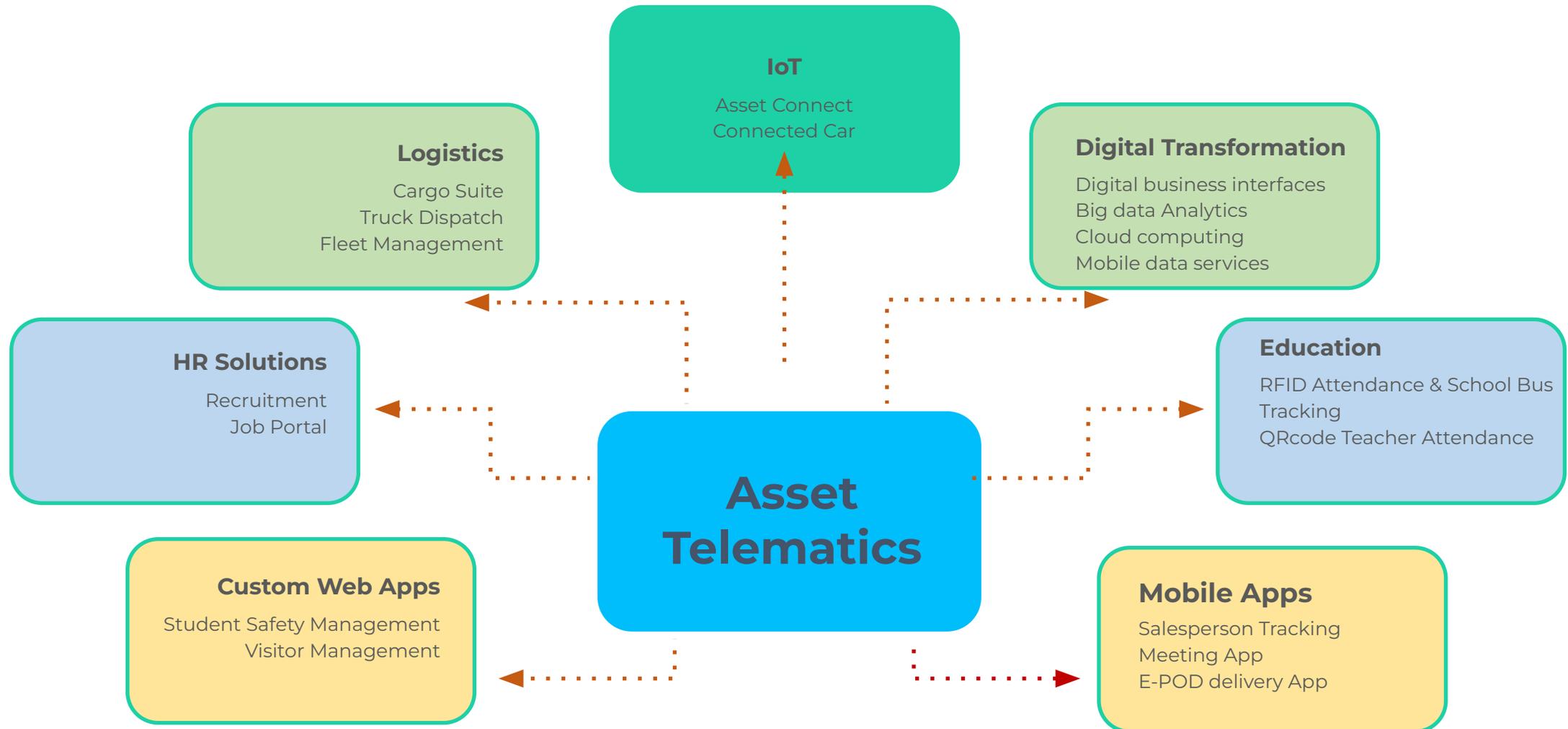
- Developing, customizing and migrating applications.
- Cloud computing consulting services
- Azure, AWS and GCP



Software Solutions



A wide range of software solutions for the Internet of Things (IoT), Automotive telematics, Logistics and Custom Web & Mobile apps. We help our clients in data analytics, business intelligence and data visualization. We build scalable cloud solutions to our SMB and enterprise clients. Automated business processes through digital transformation technologies and customized their reimagining business requirements.



Technology Stack



Asset Telematics has helped companies in the digital world and successfully established trust. We provide custom web apps, mobile apps, DB development using various technologies and platforms.

Mobile



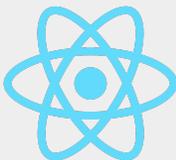
android



iOS



Web



API & Back-end



SQL & NoSQL



Cloud Computing



Front-end Apps

Middle-ware

Database

Cloud



Work Process



1st

IDEA

To analyze the requirement through in-depth research with the help of brilliant tools.

2nd

WIREFRAME

To draft the design that is related to the research in order to check the feasibility.

3rd

DESIGN

After completing feasibility test, a final design is prepared by using smart tools.

4th

DEVELOP

Now, our development team starts developing the solution according to design.

5th

TEST

In testing phase, we test every component to make sure that our solution fits the requirement.

6th

CELEBRATE

We make delivery for the solution and assist our clients to control and administer solution.



Asset Telematics Flagship Products



AssetConnect – Stay Connected with Smart fleet



AssetConnect solution is designed based open source IoT architecture, capable of integrating numerous types of devices, sensors, 3rd party systems and communication channels.

Realtime Fleet Tracking

Real time fleet tracking using Maps, fleet movement, watch trip history with playback



Truck Dispatch & Monitoring

View fleet status like moving / idle / stopped, Fleet efficiency, notifications, trip duration with journey time and ETA



Control Tower Management

Emergency alerts and events display in dashboards, notify users via SMS / Email / Push Notifications to take actions.



Geofencing

Create Geofence to monitor entry & exit of POIs like warehouses customer delivery points, and factories



Devices & Sensors Integration

OBD and Non-OBD devices integration, Remote Locking, RFID, door, fuel, temperature and pressure sensors integration



Last mile delivery

Warehouses / Hubs are dispatch centers where shipments are shipped to these hubs and from there sent to last mile delivery



HumSafar – Connected Auto Platform



Humsafar is a scalable platform that supports wide range of connected auto use cases, quick fleet onboarding, driver behavior alerts, cargo trip analysis, alert videos, Eway bills, E-POD and much more.

Fleet Performance

Fleet usage in a day, distance travelled, tips completed / ongoing, long idle, engine, journey durations



Cargo Trip Management

Create trip, select transporter / material / consignee / route, Track trip status from first mile to last mile, get instant updates and whereabouts of shipment, alerts, Eway bills, EPODs



ADAS

Advanced Driver Assistance System enable drivers to receive safety notifications through monitoring cameras and sensors



Systems of Systems Integration

Integrate with external systems like ERP / SAP / partner systems / ticketing systems, web hooks, 3rd party APIs

Multiple Tracking Sources

OBD / Non-OBD GPS trackers / SIM / mobile app / portable trackers / 3rd party device platform to platform



Data Analytics

Trips scheduled, yet to start, delayed, on-time. Devices active / inactive statistics, Fleet performance trends, driver score and trip rating trends



AssetTrack– Smart Assets Management



AssetTrack enables users get access to real-time asset data through sensors like Beacon / BLE, RFID tags. Manage assets by knowing the location, identify anomalies and send alerts, increase efficiency and life.

Sensors and Tags

Asset are embedded with BLEs, RFID tags, temperature and pressure sensors to get access & continuous monitoring



Assets Inventory

Connected supply chain at the asset level is helping to manage inventory positions, get greater visibility into actual inventory



Asset Tracking

Real time asset tracking for its live location, in or out asset movement, monitor environment conditions, theft prevention



Alarms

Automated alerts and notifications for major events and asset failures, abnormalities, sudden change in temperature



Predictive Maintenance

Analyzing real-time data from the devices, rule engines tell when a device is headed towards a complete failure, send predictive maintenance alerts to enhance efficiency and productivity



Analytical Insights

Historical data collection, data modeling, examining patterns in large datasets, valuable insights and effective forecasting for better informed decisions



AssetHealth– Remote Healthcare Management



AssetHealth is a remote care platform, ecosystem of IoMT sensors like wearables, pulse monitors used for constant monitoring of patient's vitals, accurate diagnosis,, preventive care, connected blood banks and diagnostics

Remote Health Monitoring

Smart watches, bands, heart rate sensors to monitor patient vitals, connected wearable diagnostics to help prevent potentially fatal incidents



Blood banks, Diagnostics, PHC

Connected apps for blood blank, donor and receiver. Smart Kiosks, Labs with minimal expert staff supervision. Health centers and patients receiving online report results,



Physician Care

Physicians remotely monitor patients, track treatment progress, customized treatments become possible, along precise investigations.



Smart Hospitals

Tracking of movable assets and better visibility into medical asset utilization. Streamlines ordering, storage and use of medical devices & consumables to reduce inventory costs



Drug Management

Better drug management, doctors can monitor the dosage and track effectiveness, sending reminders to patients to take medicine on time



Data Management & Analytics

Process, assess, and use medical sensors data to analyze, notify to care providers, preventive care, offer personalized treatment



Cargo Truck Dispatch

Trucking industry needs a workflow automation and technology assistance to seamlessly connect transport companies and drivers with shippers to manage their business in a more efficient way. Truck Driver Dispatch module provides features like taking new load bookings, assigning them to the right drivers, ensuring timely deliveries and managing trips efficiently.

Truck Booking



Receive load bookings from agent portal. Booking details like, load and unload locations, date & time, material type and vehicle capacity type etc.

Auto Dispatch Service



Dispatch service processes booking request, finds suitable vehicle, receives trucker acceptance and sends confirmation to customer

ETA & Truck live track



Provide Truck ETA to customer and share real time vehicle location for Tracking, call to driver option

Trips History



View past customer Trip information and billing details. Details like vehicle, loading & unloading address, date & time, trip distance, total amount

Dashboard & Reports



View live booking dashboard. Generate reports like customer wise bookings day wise revenue report etc. Vehicle category and load capacity wise billing master configuration

Driver App



Truck Drivers app gets new load pickup and unload requests from customers. Built-in navigation, ETA and more make the process much smarter



Cargo Scheduling



Cargo scheduling and planning solution provides tools to shippers for control and visibility over their supply chains. Shippers can see shipment activity to prepare and schedule labor for heavy or light dock volumes. At the same time, the end customer receives tracking links to carrier portals for location updates on shipments, Electronic Data Interchange (EDI) messages, or the updates come from application.



User & Role management

Create user profiles for an enterprise client, map roles to user profile and provide permissions to access features



Warehouse & Hub

Warehouse / Hubs are dispatch centers where entire shipments are shipped to these hubs and from here shipments are consolidated and sent for last mile delivery



e-way Bills

Operator can download E-Way bill for every vehicle that supposed to start the trip, multiple E-Way bills can be tagged to a trip



Order Management

Shippers can drive the logistics process through the application, starting with order planning and carrier selection, through the entire order life cycle to invoicing



Order Live Tracking

Track orders live status from first mile to last mile reached, get instant updates and whereabouts of shipment, alerts & notifications to required stakeholders



e-POD

e-POD mobile app is an unique paperless delivery system facilitates a successful delivery which consists of handing over of goods from the delivery person to end recipient.



Case Study - RFID-based Transport Attendance Tracking



Enhancing Student Transport Attendance Tracking for an International School

Client – A prestigious international school with 200+ branches in 20 cities

Challenge:

Manual attendance tracking for school transport, lacking real-time updates and integration

Project Scope:

Design, development, and implementation of an RFID-based student transport attendance tracking solution, integration with the school's ERP system, and the creation of a mobile application to provide parents with real-time updates on their child's transport attendance.

Solution:

- ❑ **RFID Tags & Reader:** Passive RFID tags for students; RFID reader on each bus.
- ❑ **ERP Integration:** Real-time syncing of attendance data with school ERP system.
- ❑ **GPS & Geofencing:** GPS devices on buses for real-time tracking; geofencing for accurate attendance.
- ❑ **Mobile App:** Parents receive real-time transport updates via mobile app.

Outcome:

Successful RFID-based tracking solution, empowering school with modern, efficient system.

Technology: (TBA)



Benefits:

- ❑ Real-time & accurate attendance tracking
- ❑ Automated data entry, reducing errors
- ❑ Enhanced security through GPS & geofencing
- ❑ Improved parent-school communication
- ❑ Streamlined operations & route optimization
- ❑ Data insights for informed decisions



Our Footprint



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