



Digital Myth Solutions



Company Profile - 2023



Visit Our Website

[www.avl-ksa.com](http://www.avl-ksa.com)



## About Company

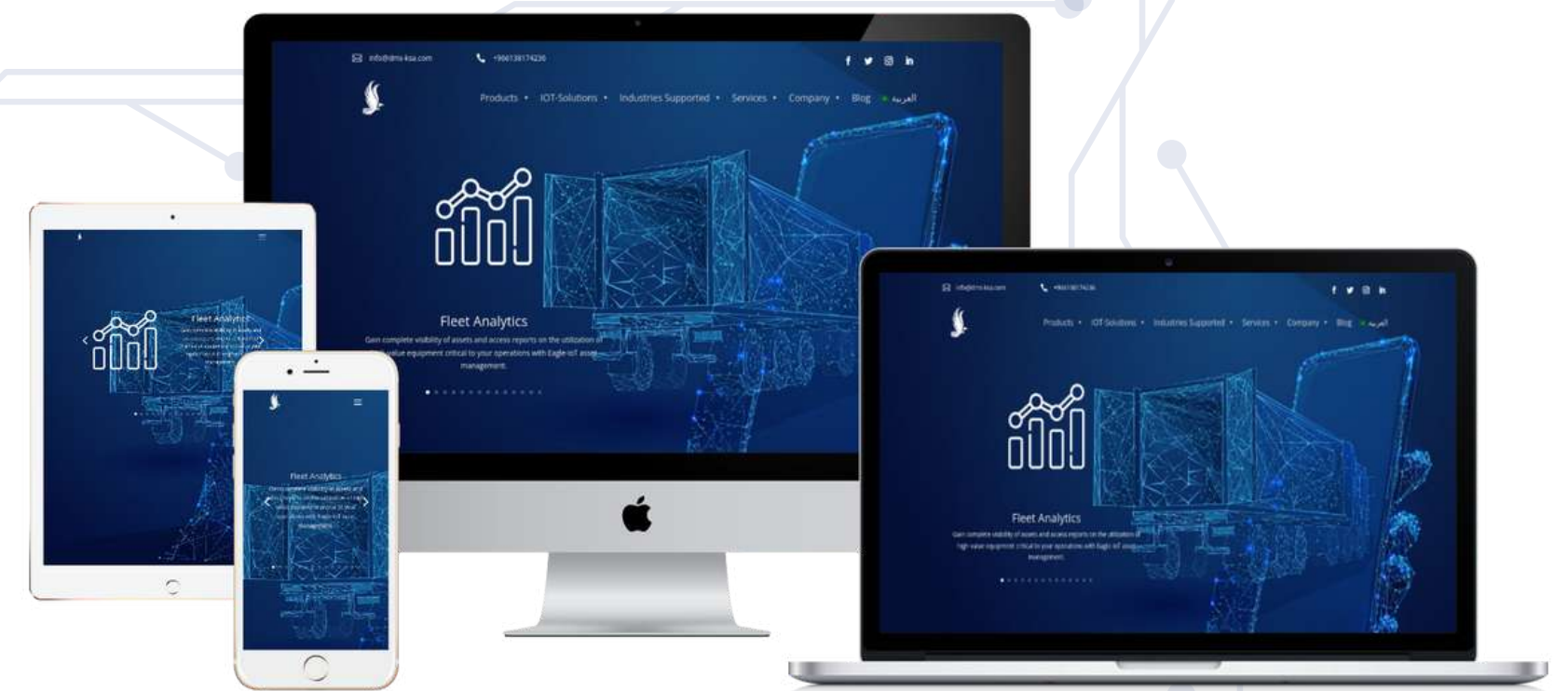
Digital Myth Solutions (DMS), as a leader in innovating fleet management and tracking service represents the new trend of the Internet of Things (IoT) in the fleet management industry. DMS has established its head office in Dammam with its presence all over the Kingdom. Since being established in 2007, Eagle IoT has established itself country-wide as a leader in providing solutions for fleet management and vehicle tracking

# WHO WE ARE?

**17**

**Years**

**Serving the Industry of Fleet  
Management**



# WHO WE ARE?

**>300**

**Clients**

**Crossed the benchmark of  
300 satisfied clients all  
across the Kingdom**

**10**

**Partners**

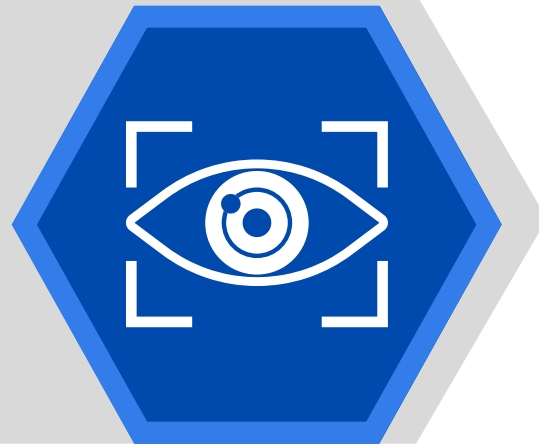
**Our Partners are our pride**

# WHO WE ARE?

To support and protect businesses in challenging market conditions, Eagle-IoT offers

- Technical Support
- On-Ground Installation
- Regional Telecom Network Support (4G/LTE)
- Dual Mode Connectivity (4G/LTE + Satellite Connectivity)
- After-sales service





# Company Vision

DMS views technology for business as an unrivaled opportunity. We relish the challenge of finding the perfect formula for your business. Moderate investment, high performance, lasting results.





# Our Partner



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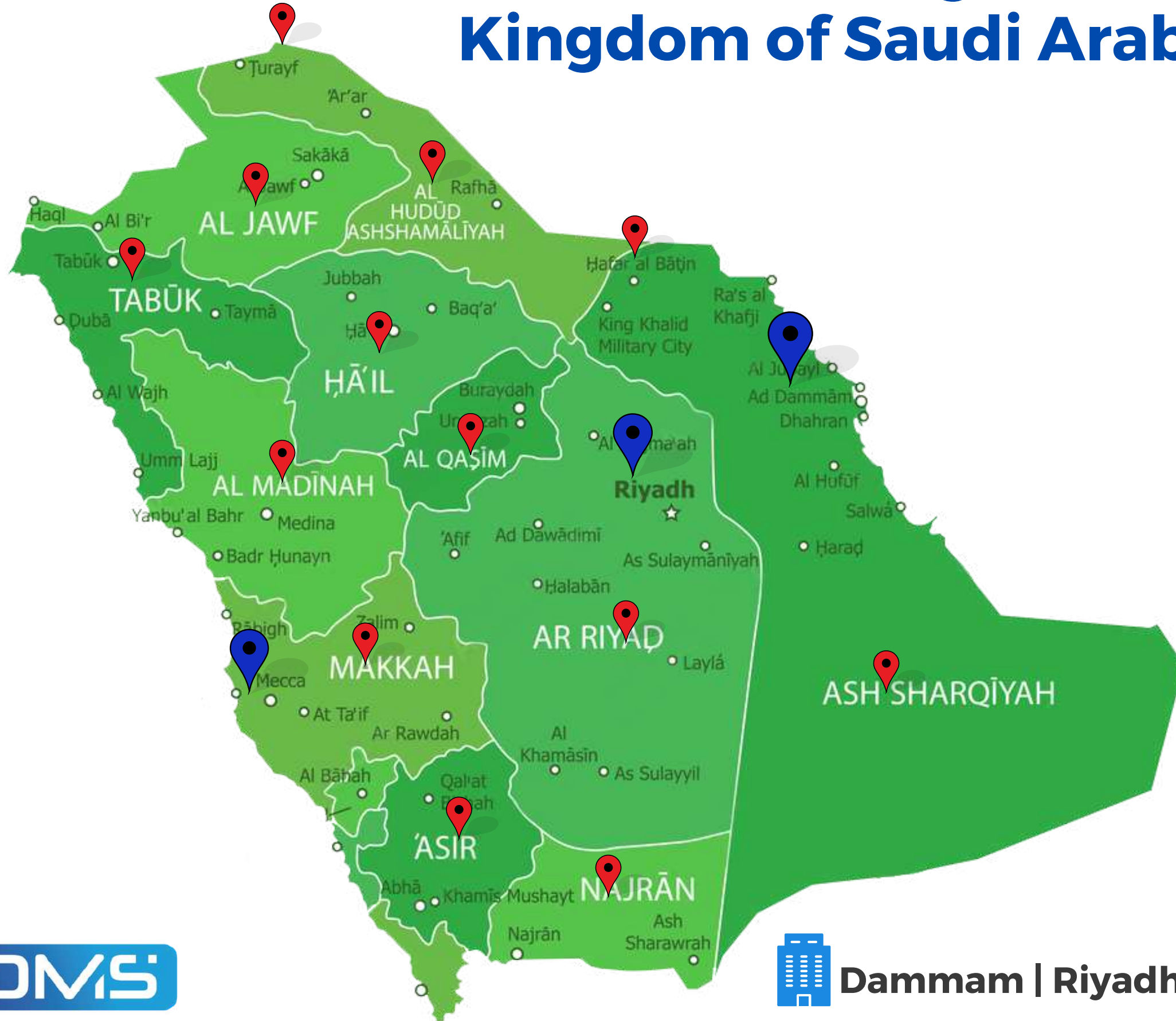
# Our Clients







# We serve throughout the Kingdom of Saudi Arabia



 **Dammam | Riyadh | Jeddah**



## Inception

Digital Myth Solution was established with an idea to provide industry specific fleet launched

2007

## Fleet Management

Eagle-IoT Solution was officially launched

2008

## VoIP & Networking

A new branch of Digital Myth Solutions inaugurated offering out-of-the-box VoIP and Networking solutions

2010

2022

## AI Video Telematics

Eagle-IoT incorporated AI based video telematics solutions as Safe-Driving

2020

## Asset Management Solution

Eagle-IoT added Asset Management Solutions catering sectors of Healthcare and Oil & Gas

### CITC License

CITC - the regulatory body for IT and communications granted DMS license to provide services in Saudi Arabia

### Transport General Authority

TGA approved DMS as a service provider for the Smart Mobility and Transportation System Eagle-IoT is now connected with WASL

### Saudi Food & Drug Authority

CITC - the regulatory body for IT and communications granted DMS license to provide services in Saudi Arabia

### Cybersecurity Compliance

DMS started implementing a 5-year cybersecurity implementation plan as per the CITC CRF (Cybersecurity Regulatory Framework)

**Industrial Automation**  
**Machine learning**  
**Industrial IoT**  
**Data science**  
**Blockchain**  
**5G**

**Future Ventures**

**Cold chain**  
**Oil & Gas**  
**Transportation**  
**schools**  
**Pharmaceutical**  
**Ready Mix**  
**Healthcare**

**Industries**



**Solutions**

**Fleet management system**  
**Asset management system**  
**Video Telematics**  
**Thermal Mapping**

**Software as a Service | Cloud Computing | 4G/ LTE | NB IoT | Edge Computing |  
GNSS | BLE | LoRaWAN | Satellite Communication | API Economy**

**Eagle-IoT**  
**A SaaS IoT Platform**



**Cloud-based**

Eagle-IoT platform is a true cloud-based platform that is scalable vertically and horizontally



**Global Access**

The platform is globally accessible through web applications and beautifully designed iOS and Android apps



**IAM**

Identity Access Management with 2- factor authentication ensures secure access with tenant-level privileges



**Locally Hosted**

Eagle-IoT with all its services is hosted inside the Kingdom of Saudi Arabia (Oracle Cloud Infrastructure - Jeddah)



**Eagle-IoT**  
**A SaaS IoT Platform**

**Functionalities**

**Track n Trace**

Never a loose sight of your asset through the live tracking module. The assets are equipped with state-of-the-technology AVL devices which are primarily built upon GNSS for location accuracy and 4G LTE for data transmission

**Connectivity**

AVL device in particular used as part of Eagle-IoT solutions are equipped with 4G LTE wireless data communication modules with Fallback Function

**Positioning**

Devices can connect to GNS systems of GPS, Galileo, GLONASS and BeiDou as per the availability

**Other modes available...**

- Low Earth Orbit Satellite System
- NB-IoT
- WiFi
- LoRaWAN



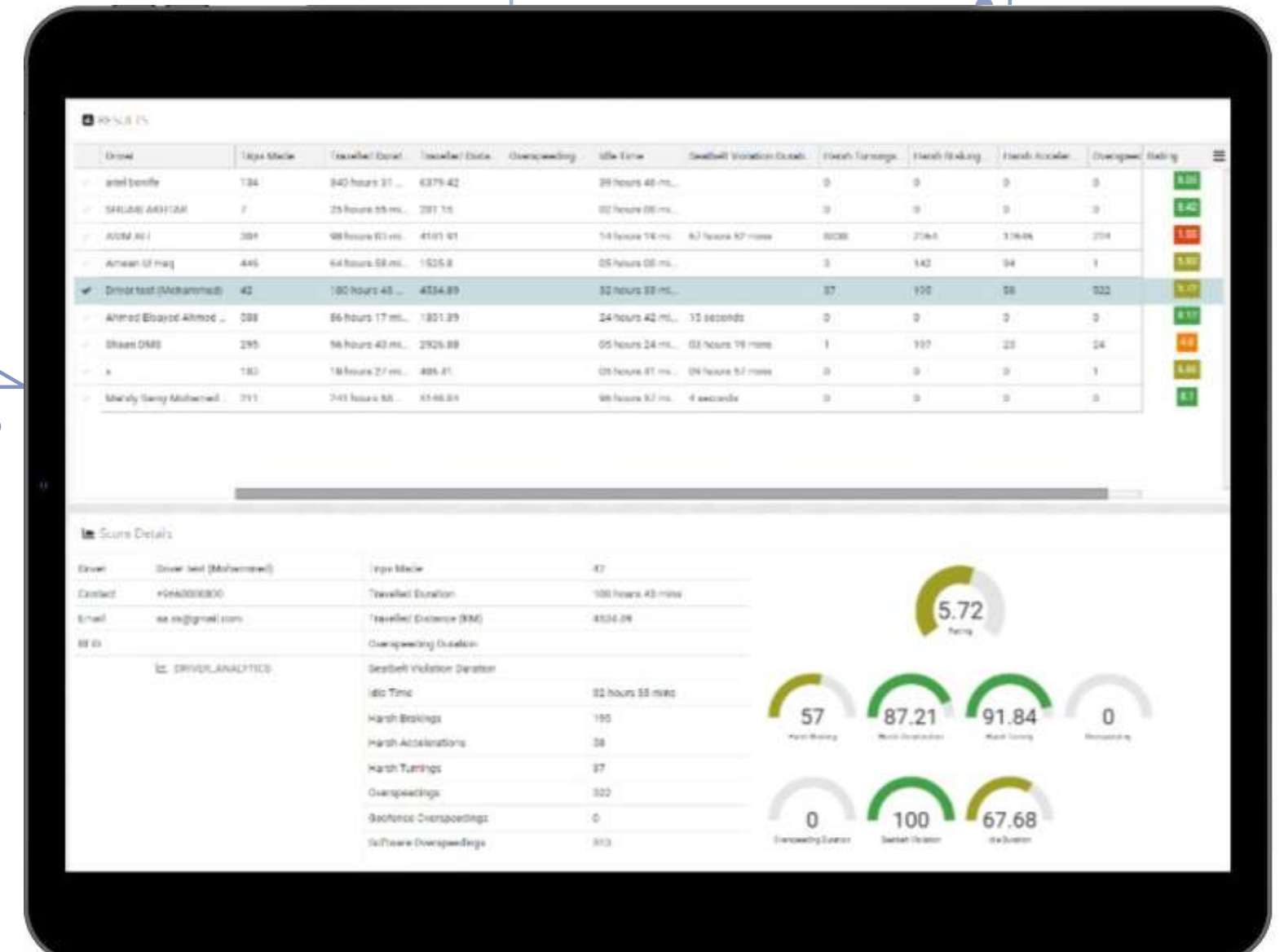
## Functionalities

### Driver Management

From utilization, behavior monitoring to KPIs, Eagle-IoT provide in-depth analysis. With driver/operator identification and authorization, users can eliminate the disputes and assets misuse completely.

### Key Performance Indicators

- Number of Trips Made
- Total Distance Travelled
- Minimum Number of Violations
- Zero accidents
- Following Safety Measures
- Time traveled
- Driver Identification
- Dallas iButton Keys
- RFID Cards
- BLE beacons
- Eco-Driving Parameters
- Harsh Driving (Acceleration, Braking, Cornering)
- Number and Duration of speeding events
- Excessive Idling
- Violating speed zones
- Fatigue Driving
- Seatbelt
- Distracted Driving



**Functionalities**

**Fleet Analytics**

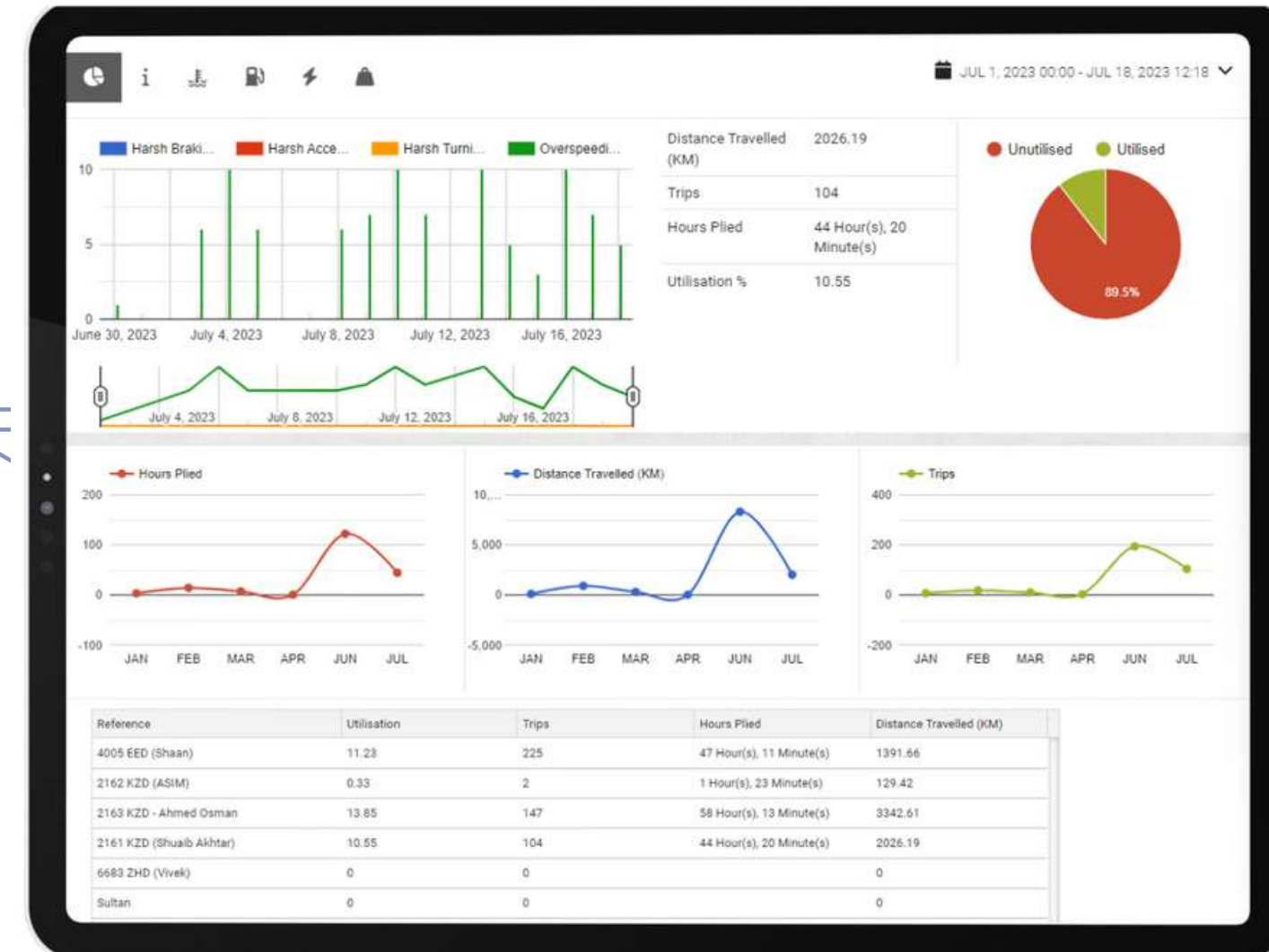
Fleet overall performance can only be analyzed with the correct set of data and relevant performance metrics. Eagle-IoT not only ingest and plot data, but the analytics engine under the hood also provides insights and KPIs in such a way that makes it the best investment for your fleet.

**Analysis Is Based On Three Pillars**

- Driving behavior
- Asset Utilization
- Maintenance costs (OpEx)

**Benefits**

- Prevent Over utilization
- Identify The Underutilized Assets
- Normalize The Maintenance Costs
- Identify The Assets Having High OpEx
- Reach Out To Drivers Having Low Performance





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## FLEET MANAGEMENT SYSTEM

### Functionalities

#### Sustainability as an Initiative

Eagle-IoT understands the importance of achieving net zero and is in line with the Saudi Green Initiative. Integration of the Carbon The emission Module with the CAN data, enables the vantage view of Carbon Emissions in a given time, fuel consumed, and distance travelled in a single dashboard.

- Advance Telematics
- On Board Diagnostics (OBD II)
- Fault Code Identification and Alerts
- Fuel Consumption Analysis
- CAN Bus Integration
- CAN Control (Immobilizer)
- Trailer Telematics

#### Advance Telematics Future...

- Predictive Maintenance
- Bigdata analysis
- Reduced carbon emissions through operational trends
- Movement/Operational Heatmaps

The screenshot displays a dashboard for Carbon Emissions. The main table lists vehicle references, fuel types, carbon factors, distances, fuel consumption, and carbon emissions. A summary panel on the right provides a detailed view for a specific reference (8392 LLD (CAN)), showing fuel type (Petrol), total fuel costs (0), distance travelled (49.56), fuel consumed (2.9 Ltr), and fuel consumed per km (17.09).

Reference	Fuel Type	Carbon Fact...	Distance Tra...	Fuel Consu...	Fuel C.	Carbr
✓ 8392 LLD (CAN)	Petrol	2.27155	49.56	2.9	17.09	6.59
✓ 4005 EED (Shaan)			138.01	0	0	1
✓ 3742 JDB (Coca C...			1705.31	0	0	1
✓ FMC001			0	0	0	1
✓ 6682 ZHD (A/week)			215.62	0	0	1

Reference	8392 LLD (CAN)	Carbon Emissions	6.59
Fuel Type	Petrol	Total Fuel Costs	0
Distance Travelled	49.56		
Fuel Consumed (Ltr)	2.9		
Fuel Consumed (KM/Ltr)	17.09		
Fuel Refills	0		





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# FLEET MANAGEMENT SYSTEM

## Functionalities

### Eagle-IoT as a Fleet Budgeting Tool

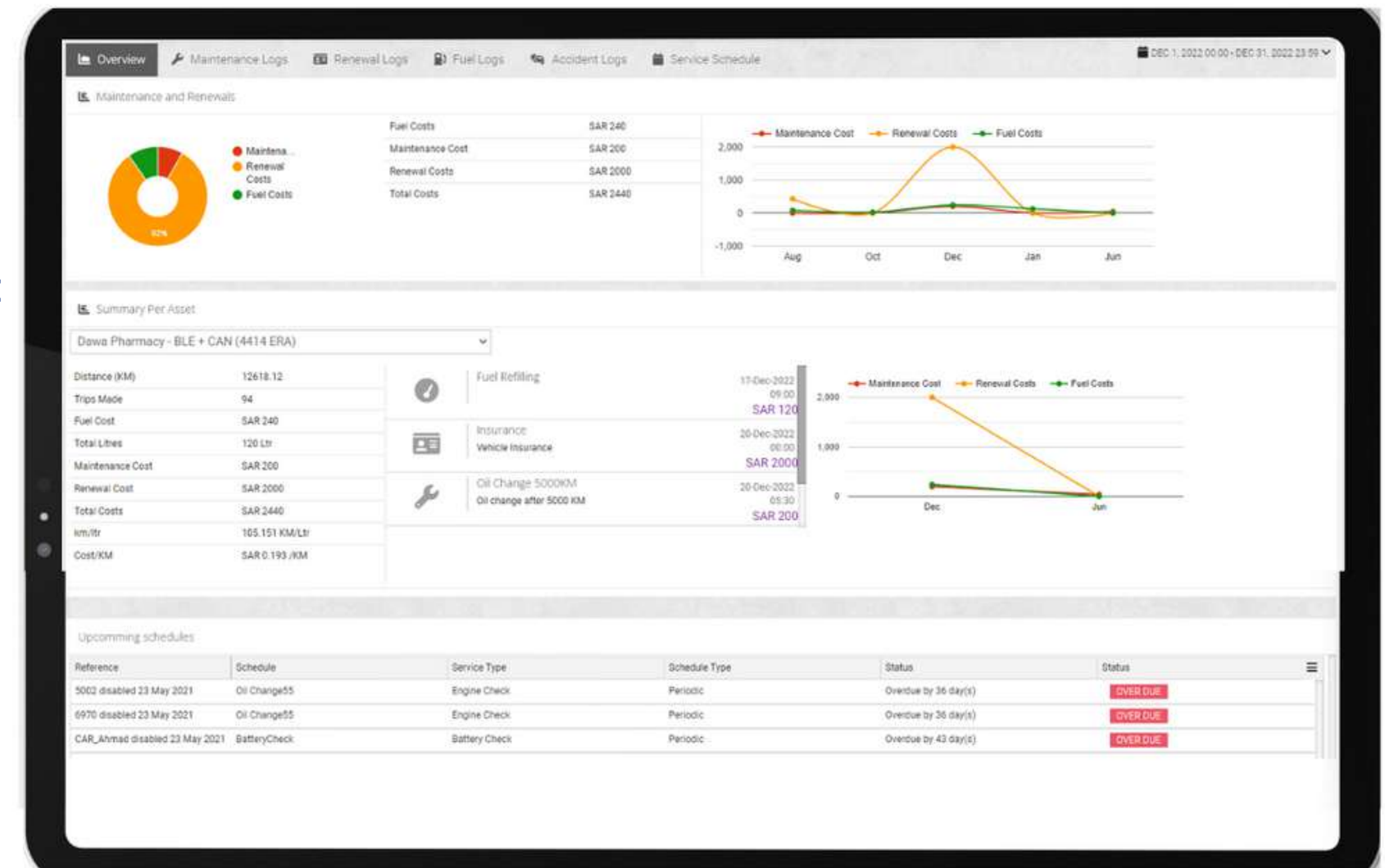
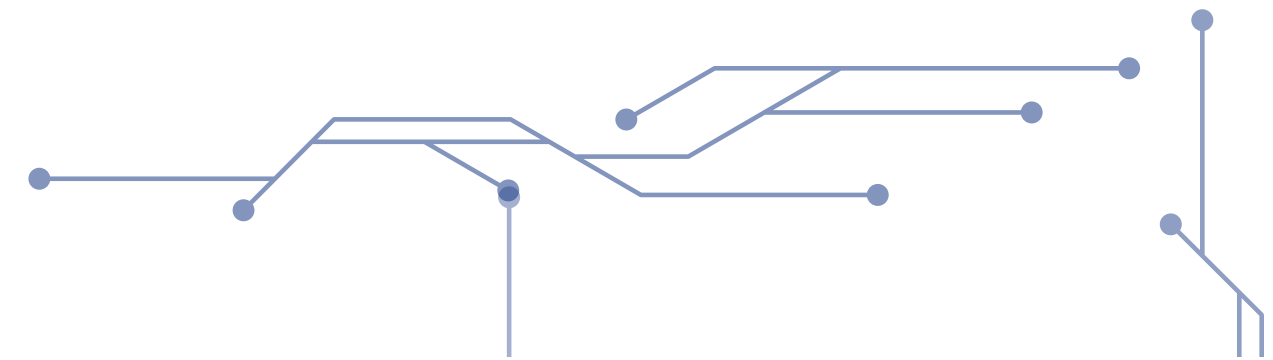
The Eagle-IoT platform offers way more than any other conventional fleet management system. From fleet analytics to daily task management, Eagle-IoT encompasses all the dimensions of fleet management.

## Features

- Maintenance and Renewal reminders
- Cost-Benefit Analysis
- Yearly expenditures
- Fleet utilization data
- Logging all kinds of fleet expenses
- Keeping a record of accidents

## Benefits

- Plan the budget for next year
- Identify assets that are liability
- Keep an eye on overhead costs
- Identify the cost-effective asset type to include in the fleet
- Identify the workshops which suit your fleet in terms of costs and time





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## FLEET MANAGEMENT SYSTEM

### Functionalities

#### Eagle-IoT Axle Load Monitoring

Eagle-IoT offers an axle load monitoring system to the owners of fleets of public transport, commercial vehicles and trucks, construction machines, and municipal vehicles to monitor the cargo transportation process in detail with a precision of 90% as instructed by Public Transport Authority (Saudi Arabia).

### Technologies

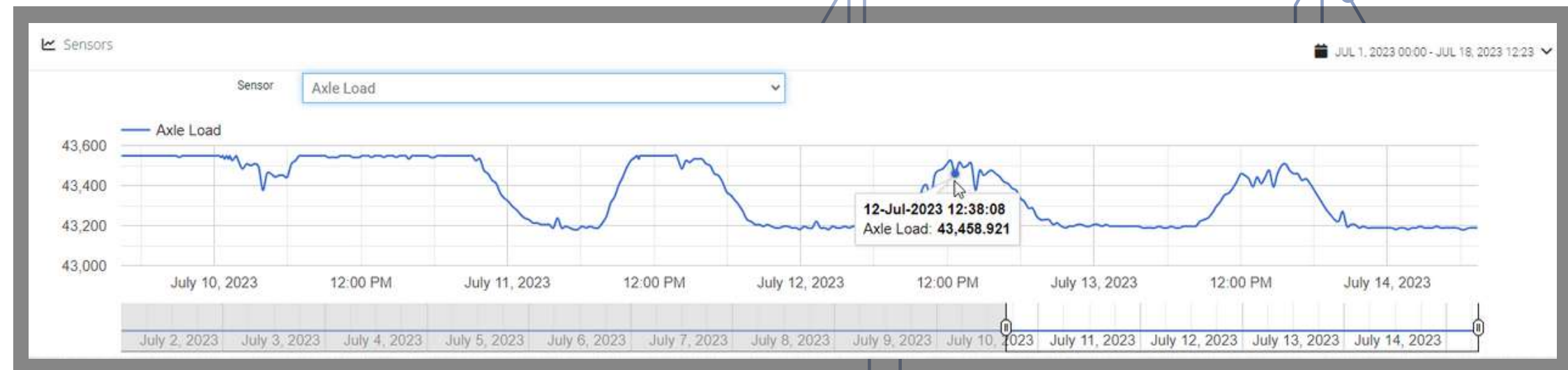
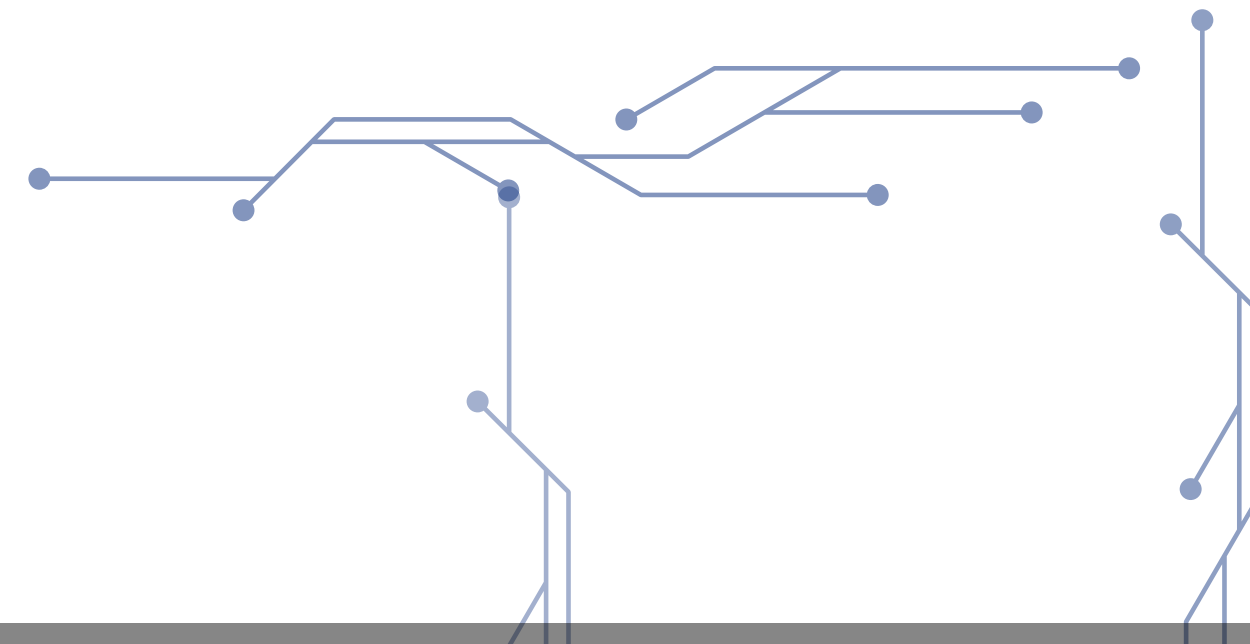
- Air Pressure Sensors
- Mechanical Sensors
- Strain Sensors

### Supported Axle Types

- Air Balloon
- Leaf Spring

### Benefits

- Reveal Underhand Cargo
- Monitor Loading And Unloading Of The Vehicles
- Optimize Cargo Load
- Alarm Signal





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## FLEET MANAGEMENT SYSTEM

### Functionalities

#### Temperature & Humidity Monitoring

With Eagle-IoT Temperature and Humidity monitoring, get complete visibility of your valuable assets from production to the end-user. Deviations from desired temperature and humidity ranges will not get unnoticed may it be from power failure or human error with Eagle-IoT's powerful monitoring and alerting system.

#### Technologies

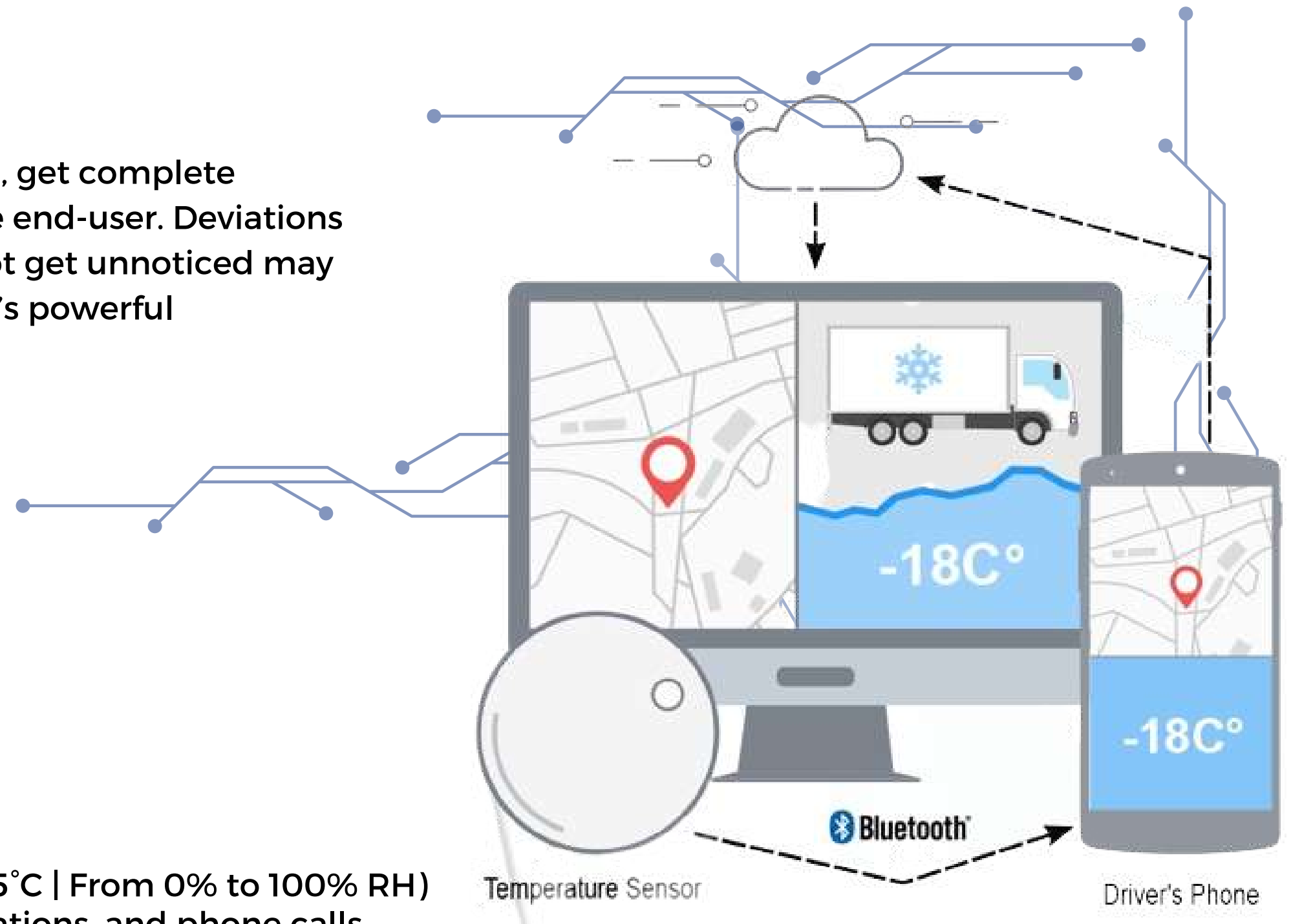
- 1-wire digital sensors
- RF based wireless sensors
- BLE based wireless sensors

#### Communication over:

- Ethernet
- Wi-Fi
- 4G LTE

#### Features

- Temperature and Humidity monitoring (-40°C / + 85°C | From 0% to 100% RH)
- Instant alerts through emails, mobile & web applications, and phone calls
- Timely detection of refrigeration unit failure
- State-of-the-Technology wireless and battery-operated sensor
- Complete SFDA-compliant solution (Registration of asset/inventory with WASL)



## 4G /LTE+SATELITE Dual Mode Connectivity

Eagle-IoT ensures an uninterrupted fleet management solution, even when cellular networks are unavailable. With **Eagle-IoT Hybrid Approach** switch automatically to the Iridium network in case of unavailability of GSM signal.

### Features:

- Iridium Network
- Iridium SBD
- CAN Bus Interface

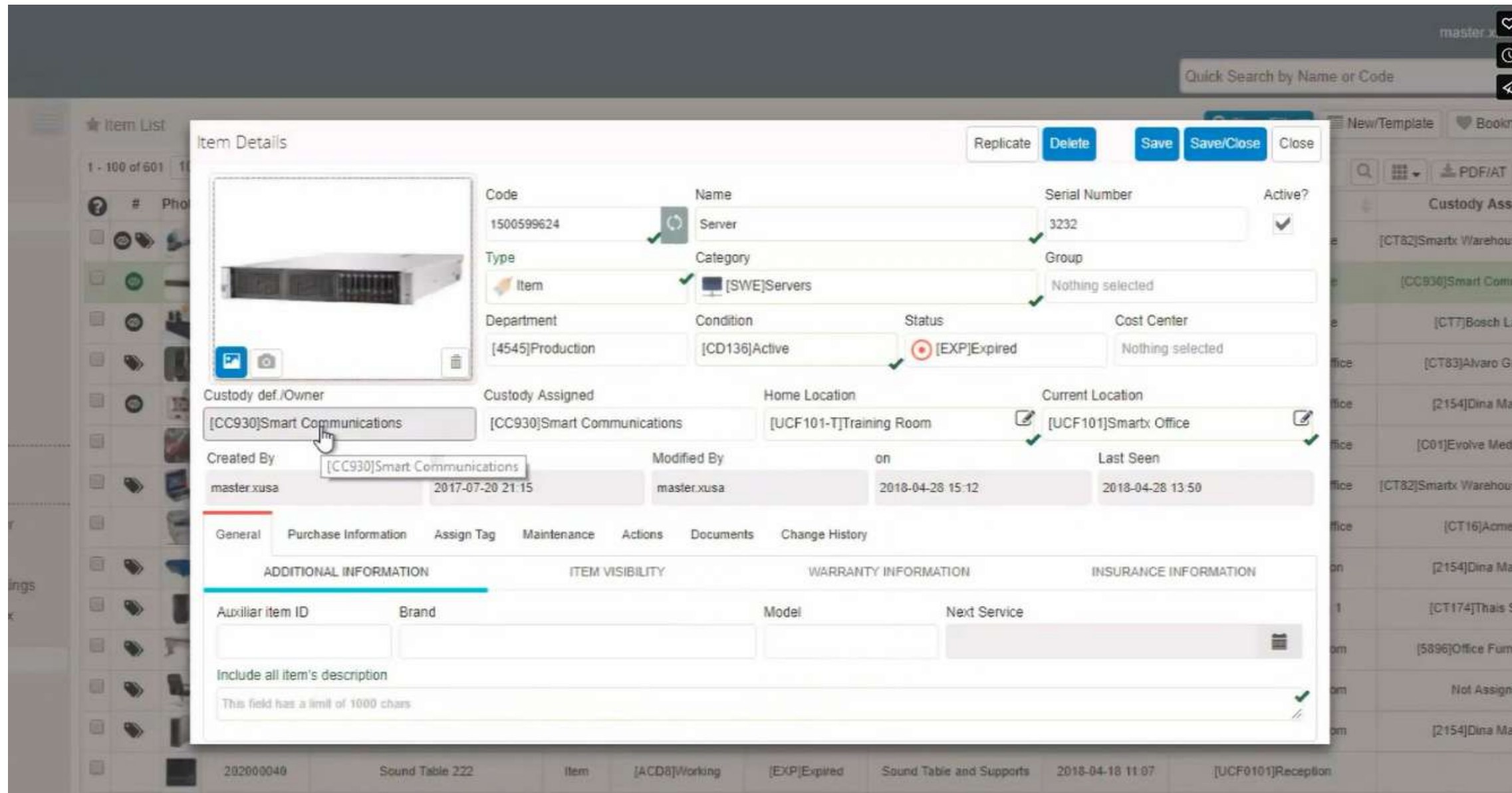
### Supported Technologies:

- CAN bus
- Digital sensors
- RFID Reader



## ASSET MANAGEMENT SYSTEM

Gain complete visibility of assets and access reports on the utilization of high-value equipment critical to your operations with Eagle-IoT Asset Management.



The screenshot displays the 'Item Details' form for a server asset. The form includes fields for Code, Name, Serial Number, Type, Category, Department, Condition, Status, and Cost Center. It also shows Custody Assigned, Home Location, and Current Location. The 'Status' field is marked as '[EXP]Expired'. The 'Created By' and 'Modified By' fields are both 'master.xusa'. The 'Last Seen' field is '2018-04-28 13:50'. The form has tabs for General, Purchase Information, Assign Tag, Maintenance, Actions, Documents, and Change History. Below the tabs are sections for ADDITIONAL INFORMATION, ITEM VISIBILITY, WARRANTY INFORMATION, and INSURANCE INFORMATION. The background shows a warehouse with high shelves and a forklift.

Code	Name	Serial Number	Active?
1500599624	Server	3232	<input checked="" type="checkbox"/>

Type	Category	Group
Item	[SWE]Servers	Nothing selected

Department	Condition	Status	Cost Center
[4545]Production	[CD136]Active	[EXP]Expired	Nothing selected

Custody def./Owner	Custody Assigned	Home Location	Current Location
[CC930]Smart Communications	[CC930]Smart Communications	[UCF101-T]Training Room	[UCF101]Smartx Office

Created By	Modified By	on	Last Seen
master.xusa	[CC930]Smart Communications	2017-07-20 21:15	2018-04-28 13:50

Auxiliar item ID	Brand	Model	Next Service

# ASSET MANAGEMENT SYSTEM

## Functionalities

### Complete Visibility & Management

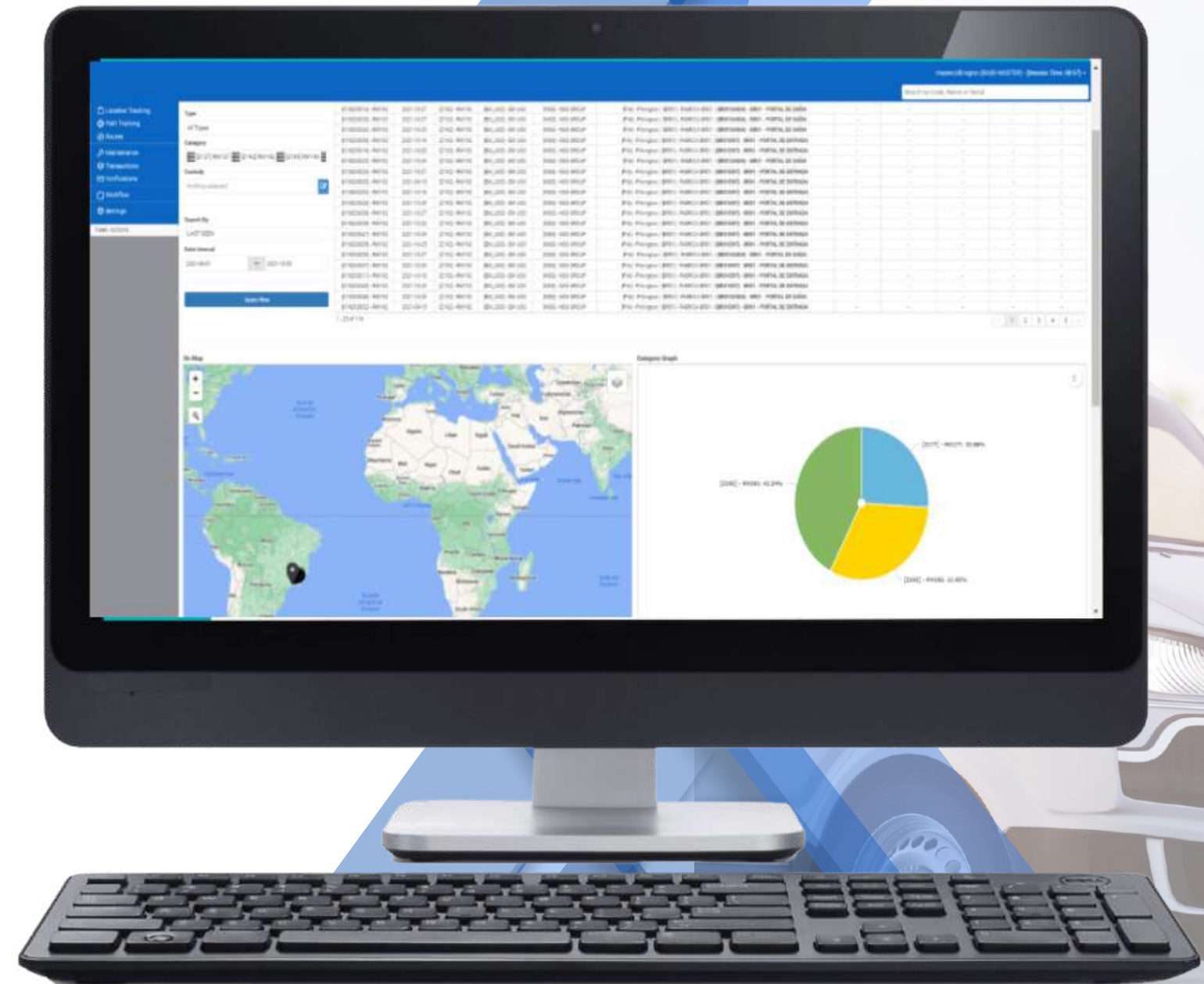
Eagle-IoT offers Asset Visibility Solution to provide a new level of operational rights in a perfect way to manage and monitor the location, status, and condition of your assets across multiple sites.

### Supported Technologies

- RFID Tags (Active and Passive) and UHF readers
- BLE Beacons
- Asset Trackers
- 4G/LTE
- Ethernet/WiFi
- NB-IoT
- LoRaWAN
- Barcode/QR Code Scanners

## Features

- Automated maintenance schedules
- Identify trends in equipment availability and utilization
- Life cycle performance monitoring
- Movement Monitoring including the analysis of wait times, bottlenecks, fixed asset utilization
- Configurable workflows and exception reports



## Thermal Mapping as-a-service

Eagle-IoT Thermal Mapping ensures temperature variations throughout the facility can be mapped, analysed and corrected to assure the effectiveness of controlled temperature units.

### Benefits

- Validate implementation of the current Thermal Monitoring Solution
- Verify the effectiveness of refrigeration units
- Verify fluctuations of temperature in an area
- Comply with Local Regulations

### Certifications

- 1.NIST 3-Point Calibration certified data loggers
- 2.Reports are generated in compliance with FDA 21 CFR11 certified application





**EAGLE-IoT IS SERVING  
INDUSTRIES OF NUMEROUS  
SECTORS ALL OVER THE  
KINGDOM**







**Oil & Gas** Eagle-IoT addresses all the challenges of the Oil & Gas industry which is technology oriented and has high Health, Safety, Environment & Communities (HSEC) requirements.



**Healthcare** From ambulances to medical supplies and pharmaceuticals, Eagle-IoT offers comprehensive solutions to optimize operations while taking care of industry standards.



**Logistics and Transportation** From inventory management to data security and risk management, the logistics and transportation industry require constant attention. Eagle-IoT fleet management addresses these challenges to make the fleet safe and more efficient with improved ROI and a satisfied workforce.



**Cold Chain** Eagle-IoT is an SFDA-approved solution for Cold Chain giving insights into the cargo from end-to-end including transportation and storage



**Ready Mix:** Eagle-IoT Ready-Mix Concrete management solution offers an efficient approach to the ready-mix fleet's real-time collection of data. It allows you to manage slumps in transit and monitors load data over time with an axle load monitoring solution.



**Car Rental:** Eagle-IoT Rental Fleet Solution harnesses the data for rental fleets to serve as a problem-solving tool for fleet management. Get real-time insight into the vehicle engine via OBD data to ensure timely detection of faults leading to failures



**School:** Eagle-IoT offers a GPS-based school bus tracking solution to provide you access to a detailed map view of the trip, which helps you to keep an eye on the driver's behavior.



**Waste Management:** Uncover the dynamics of Waste Collection with Eagle-IoT Waste Management Solution Monitor any type of waste (mixed waste, paper, plastics, glass, clothing, bio-waste, liquids, electronics, metal...) and level of filling, several times a day



**Banks:** With Eagle-IoT ATM Monitoring, banks can keep tabs on their ATMs' locations, maintenance needs, and even potential security threats.



**Supply Chain:** Track your containers and manage your mobile assets with end-to-end supply chain visibility. Eagle-IoT Container Monitoring Solution provides shipping lines, cargo owners, cold store managers and other stakeholders with useful insight – when and where they need it.



**Tow Truck Fleet:** With Eagle-IoT you can monitor all your tow trucks on one screen, making it easier than ever to dispatch the right vehicle at the right time. Additionally, with features like fuel consumption, tracking and driver behavior monitoring, you can save on costs and promote safety.

# Thank You



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