FLEET MANAGEMENT SYSTEM FOR LOGISTICS

BY :

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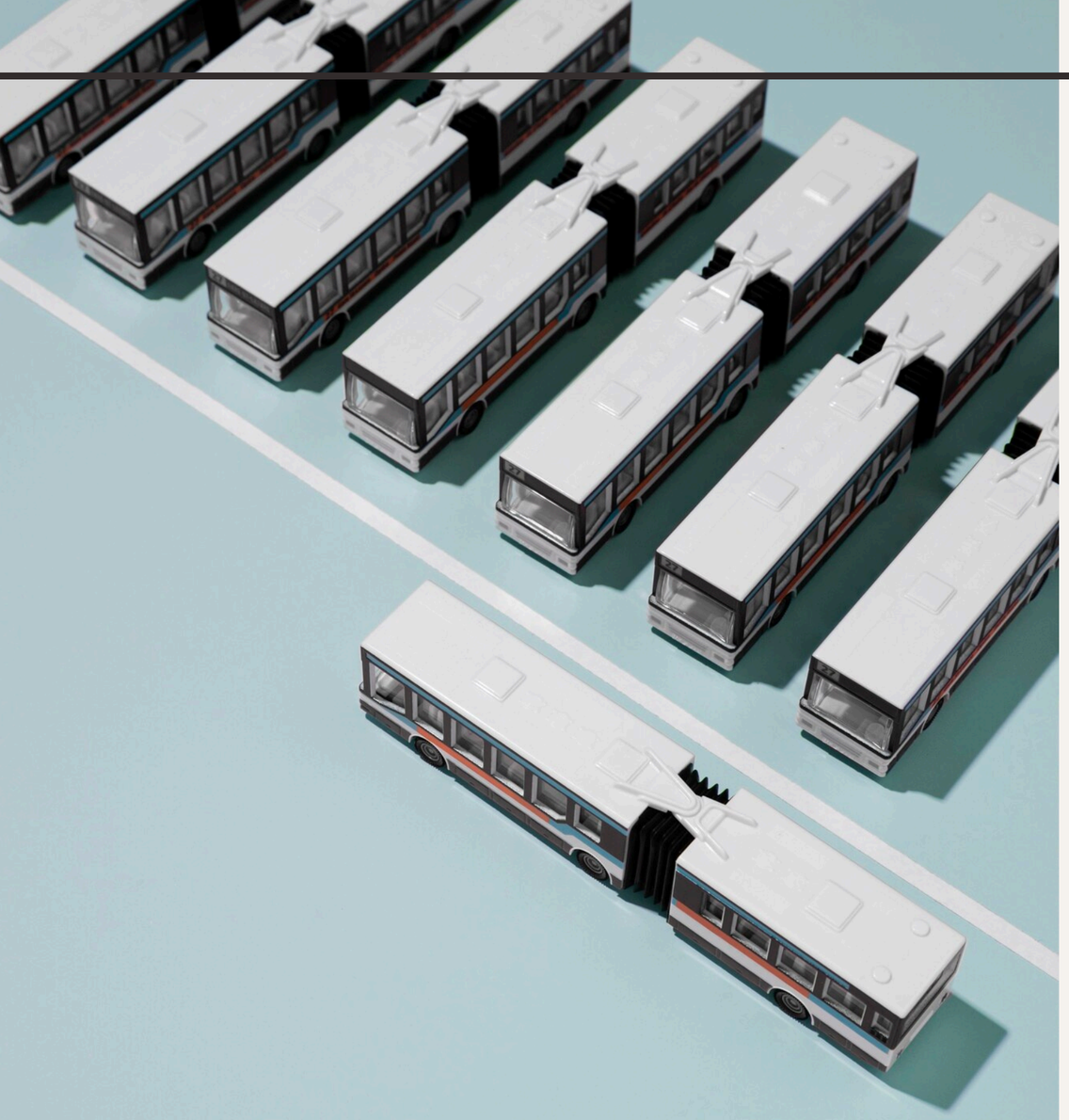
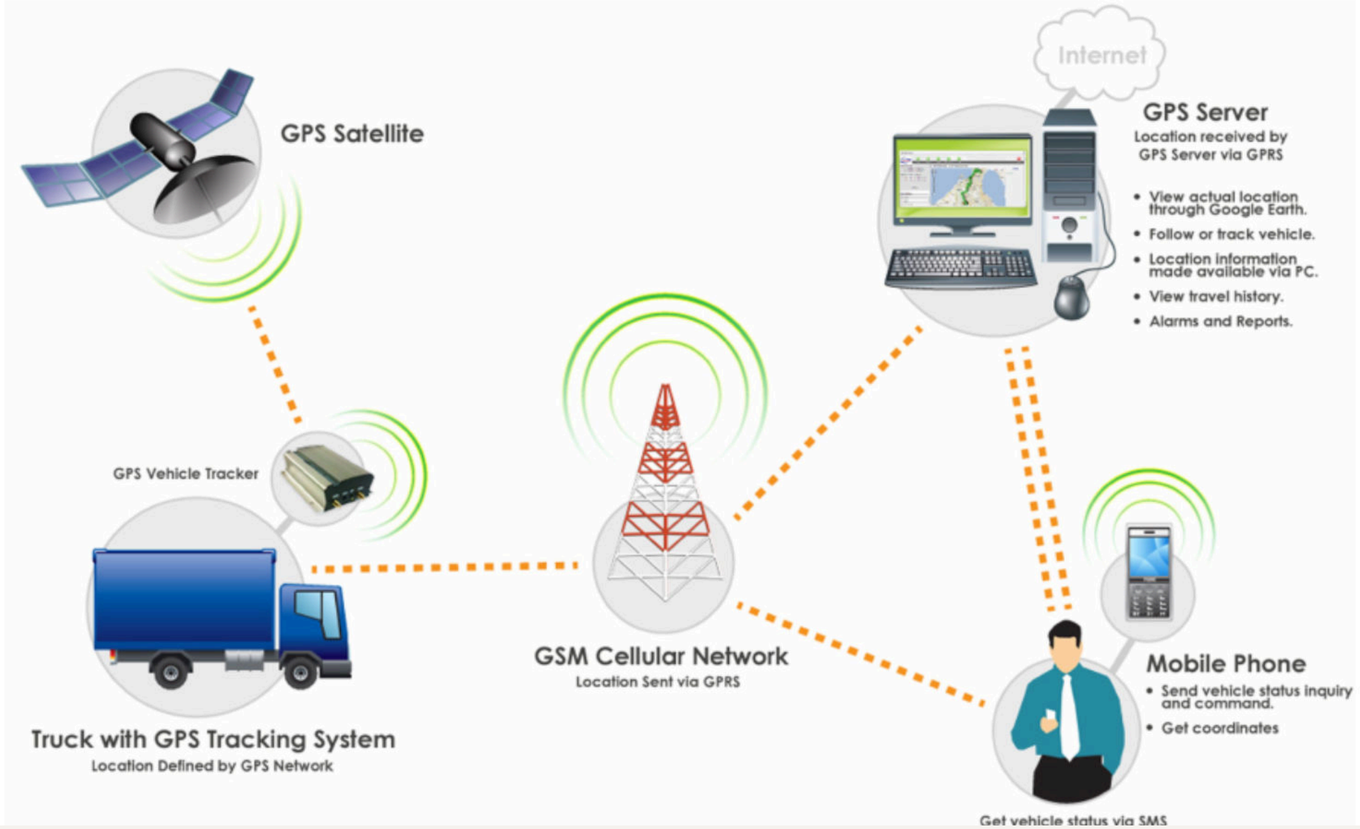


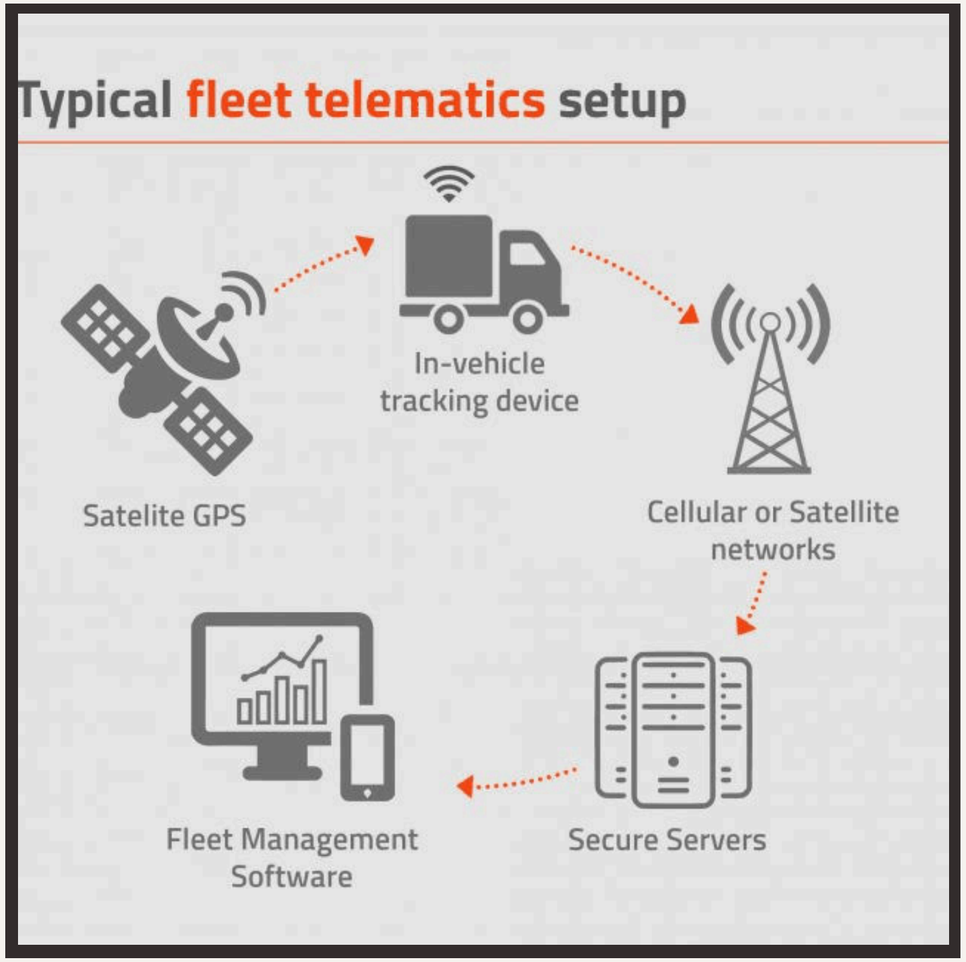
Introduction to Fleet Management

- **Fleet management involves the management of commercial vehicles such as cars, trucks, and vans for the purpose of ensuring their effective operation.**
- **Smart Fleet Management** is transforming the logistics industry by enhancing **efficiency** and **productivity**.
- Purpose: The goal of a Fleet Management System (FMS) is to improve efficiency, reduce costs, and maintain real-time tracking of vehicles, drivers, and cargo..

HARDWARE REQUIREMENT



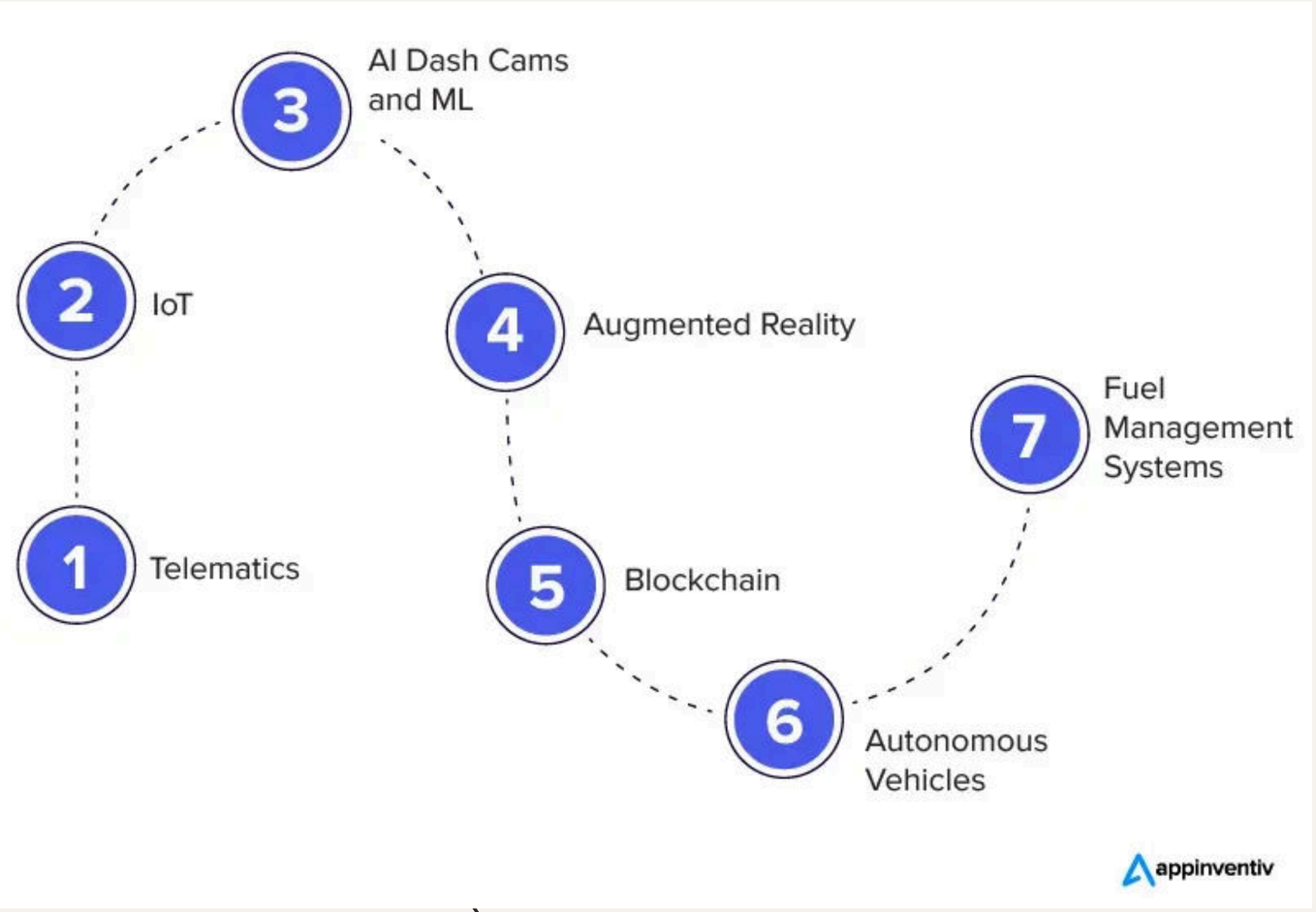
- GPS Devices: For real-time vehicle tracking.
- Telematics Devices: To collect data from vehicles, including fuel consumption, speed, engine diagnostics, etc
- .Mobile Devices/Tablets:For driver communication and management access.On-Board Cameras/Sensors: For monitoring driver behavior, vehicle surroundings, and safety.
- Server Hardware: For central data processing and storage (if on-premises)
- Network Infrastructure: Robust internet connectivity for data transfer, preferably 4G or 5G for real-time updates.



SOFTWARE REQURIMENT

- Core platform that supports vehicle tracking, reporting, and data analytics (e.g., Geotab, Fleet Complete).
- Mobile App: For drivers and fleet managers to monitor performance, receive updates, and log events.Database Management System: For storing fleet data (e.g., MySQL, PostgreSQL, or cloud-based solutions).API Integration:
- To connect with third-party systems such as ERP, CRM, and management.

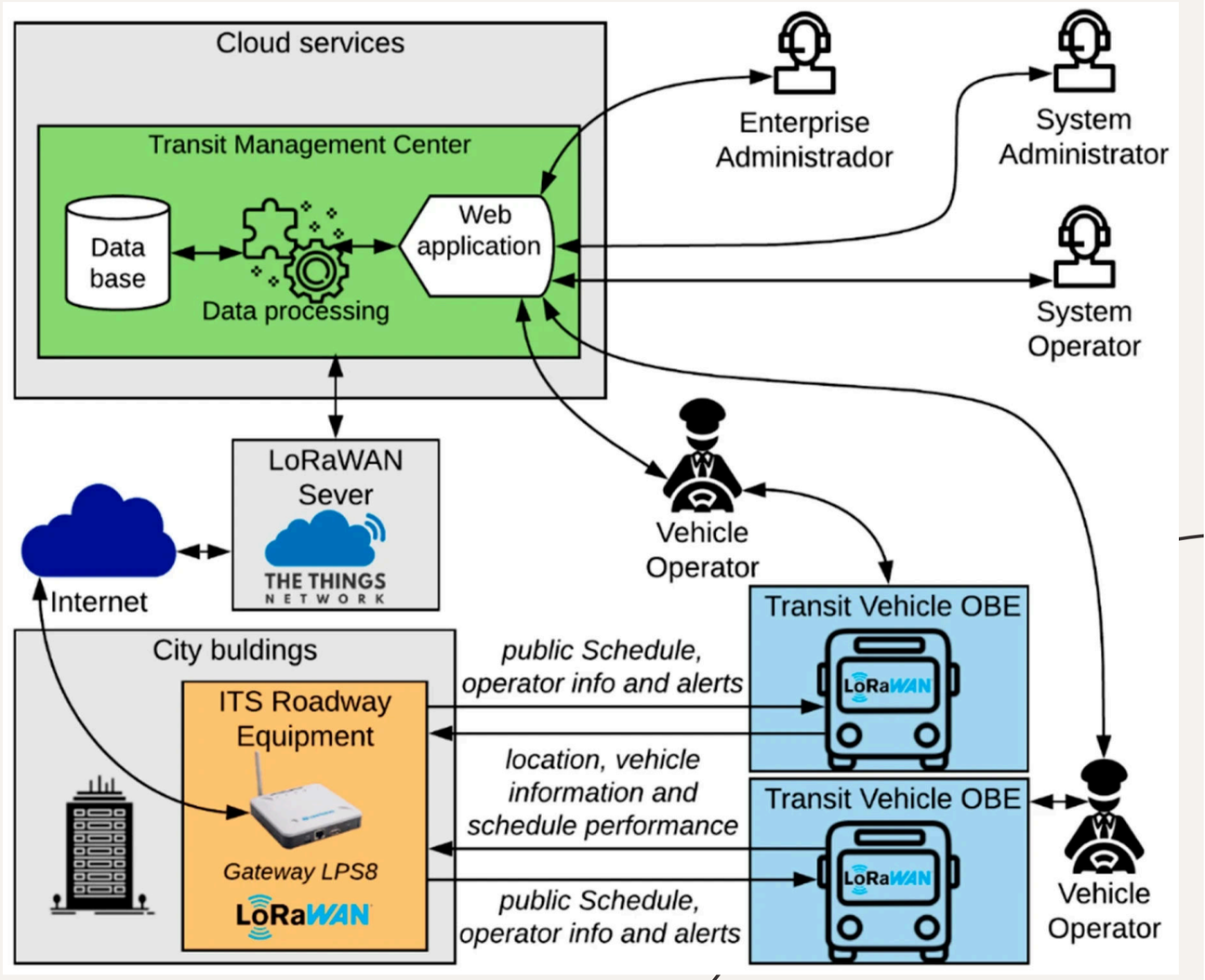
TECHNOLOGY USED



- GPS & IoT Sensors: Collect real-time data for tracking vehicles, cargo, and driver behavior.
- Cloud Computing: Data is stored and processed on the cloud for scalability and accessibility (e.g., AWS, Google Cloud).
- Big Data Analytics: Analyzing vast amounts of data to identify patterns, improve decision-making, and predict maintenance needs.

SYSTEM ARCHITECTURE DIAGRAM

- Diagram Description: A diagram that shows the various components and their interactions. It could include:Vehicle (onboard devices): GPS, sensors, cameras, etc.
- Mobile App: For drivers and fleet managers to access the system.
- Cloud Server: Centralized data processing and storage.
- Fleet Management Software: Interfaces with database and provides analytics.



IMPLEMENTTION

- Planning & Requirements GatheringUnderstand fleet needs, data requirements, and integration points.Define KPIs for fleet performance.
- System Design & CustomizationConfigure software, design user interfaces, and set up database structures.Customize features based on specific business needs. Hardware InstallationInstall GPS devices, telematics, and sensors in all vehicles.
- Provide training for fleet managers and drivers on how to use the new system.
- Go-Live & SupportDeploy the system for daily use.Provide ongoing support, troubleshooting, and system updates.

Thanks YOU