



IoT-based Fleet Management Solution



The colossal potential of IoT in higher visibility across fleet operations has led to a significant rise in its awareness and usage among fleet managers.

This leading-edge innovation has helped the fleet management industry achieve staggering market value. Studies show that where the global IoT-backed fleet management solutions revenue was mere **\$3,250** million in **2017**, the expected revenue is set to reach a whopping **\$15,500** million by the year-end of **2024**.

Fleet managers and organizations across the globe have been adopting the best vehicle maintenance solution for fleet management, given the magnitude of growth IoT brings.

Let's see how it is impacting business processes.





Fleet Maintenance

The in-built processor capabilities of IoT-enabled devices help detect and act on prevalent issues with a fleet vehicle. In addition, the collected data can be processed and evaluated to create a barrier for future difficulties that may cause operational hindrances and inconsistencies.

Vehicle Monitoring

Fleet managers can comprehensively check the vehicle environment with cameras, image processing, and built-in sensor devices. IoT-based fleet management system delivers real-time updates of vehicles, pedestrians, and nearby objects. It also indicates battery life and sets maintenance alerts to safeguard drivers against accidents.



Driver Safety

Cutting-edge technologies like backup cameras and blind-spot detectors warn drivers against mishaps and provide assistance whenever required. The recorded video data can be stored for future use in workflows like driver training. Cameras installed inside the cabin allow managers to oversee driver behavior and avoid drunken or rash driving.

Cargo and Fuel Management

IoT-run processors check the security and state of cargo during transit. By helping regulate temperature, IoT helps preserve perishable goods such as medicines and food. It is also helpful in preventing theft and pilferage, as the cargo is continuously monitored. Lastly, vibration sensors ensure any fragile freight in the vehicle reaches its destination in good condition.

Consistent insight into fuel status, usage, and trends ensures zero-pilferage and optimized consumption. Ultimately, this adds to the bottom lines while making fleets more environment-friendly.



Insurance and Claims

Insurance companies also benefit from IoT-based telematics data. For example, data collected from telematics help them develop extensive summaries for their underwriters. It ensures rightful claims are processed in time to help their businesses recover accident costs.

Asset Assignments

Real-time data on fleet status, schedules, and location help operators manage vehicle assignments seamlessly. As a result, fewer conflicts and quick assignments improve operational efficiency.





Regulation and SLA compliance

Fleets work closely with other industries like food & beverage, healthcare, pharmaceuticals, ecommerce, and more. These sectors must comply with dynamic and strict government regulations and sky-high customer demands.

Compliance with such rules is easier with IoT. For example, IoT-based fleet management solution can help operators remotely control temperature and preserve weather-sensitive drugs or food items. Shipments can also be monitored so deliveries are made within specified SLAs, delays can be prevented, or customers can be kept updated.

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