WHY CONNECTING TO THE INTERNET OF THINGS SHOULD TOP YOUR PROJECT LIST
YOUR VEHICLES HAVE A STORY TO TELL

ARE YOU LISTENING?

THE INTERNET OF THINGS (IoT) IS MADE UP OF BILLIONS OF SMART DEVICES, LIKE CAMERAS, SENSORS, AND MOBILE DEVICES, ALL USING WIRELESS TECHNOLOGY TO COMMUNICATE WITH US AND WITH EACH OTHER.

Currently, there are around 15 billion devices in the IoT, with 5.5 million new ones connecting each day. And connected vehicles are the third-fastest-growing technological device, after smart phones and tablets. From self-diagnosing engines to self-monitoring cargo, the IoT is empowering new capabilities and opening up new possibilities.

In fleet management, it's fueling innovation to maximize safety and efficiency, minimize environmental impact, and keep cargo secure and in optimal condition.
HERE ARE THE TOP REASONS

AN IOT-BASED TRANSPORTATION SOLUTION SHOULD BE A TOP PRIORITY FOR YOUR COMPANY

1. **Realize new value from current assets and infrastructure.** This is a big deal: Even if your vehicles and systems weren’t originally designed to connect to the Internet and share data, they still can. By attaching intelligent gateways to existing assets, you can collect data from these previously untapped resources. So implementing an IoT solution doesn’t mean starting from scratch. Your current things have plenty to say; you just have to give them a voice.

2. **Increase efficiency.** Do your trucks recognize you? Can their tires contact the repair shop when they’re low? Does your cargo let you know if it’s too hot or too cold? Do your dispatch and customer relationship management (CRM) systems have a working relationship? Creating connections between vehicles and outside systems brings together disparate systems to enable new efficiencies and operational models.

3. **Gain actionable information.** IoT solutions connect, manage, and secure devices that collect data from things like sensors, tires, engines, dashboards, cameras, and smart phones. The raw data is then secured, filtered, and managed. In some cases, data can be processed right in the vehicle and used to direct driver or vehicle actions; otherwise, it’s sent to the cloud for storage and further analysis. Either way, you gain new streams of information that you and your fleet vehicles and systems can act upon, along with near-real-time visibility into operations.

4. **Save money and boost agility.** The information gleaned from an IoT solution can help you save money. You can lower fuel usage and carbon emissions. Slash repair costs and downtime with predictive maintenance. Streamline delivery routes and make better use of assets. You’ll have the insight, hard data, and control you need to lower costs and respond more quickly to both issues and opportunities.

5. **Create new revenue streams and deliver new experiences.** The newfound connectivity, manageability, and efficiency provided by the IoT can lead to new offerings. Is there a data stream you can monetize with partners? New services you can offer? Can you combine the two, as in in-vehicle commerce or delivery tracking? Are there new experiences you can create that will increase customer loyalty? You’ll see your business through an entirely new lens.
Decrease theft and unauthorized use. The IoT is also enabling security systems that use multifactor authentication to prevent vehicle tampering or theft. You can combine data from interior cameras, vehicle sensors, and facial-recognition software to not only authenticate drivers, but modify vehicle capabilities based on who is driving. And geofencing and location-based services help ensure that drivers stay within proscribed areas.

Empower innovation. At the intersection of commute and compute, the IoT provides the ultimate platform to dream, think, and act big. Your fleet vehicles are quickly becoming less modes of transportation and more intelligent data devices on wheels. And with the development of the 5G network, devices and network will communicate more efficiently, transport data and content more quickly, and share computing resources more seamlessly. That will open up whole new vistas of possibility, from vehicle-to-vehicle and vehicle-to-infrastructure communications, to automated maintenance scheduling and the gamification of driver-behavior tools.

Intel is helping IoT innovations get to market faster, reducing solution complexity, and defining how to derive actionable intelligence more quickly and securely.

The Intel® IoT Platform breaks down the barriers to IoT adoption by offering a defined, repeatable foundation for how devices will connect and deliver trusted data to the cloud. And it allows OEMs, systems integrators (SIs), and vertical industries to develop and deploy solutions using building blocks on our platform.

The Intel IoT Platform includes IoT reference architectures and a portfolio of products from Intel and our ecosystem that fit into an end-to-end IoT solution.
YOUR BEST FLEET MANAGEMENT SOLUTIONS ARE BUILT WITH INTEL TECHNOLOGY.

START WITH INTEL INSIDE®