



3 Major Benefits of IoT in Smart City Transportation

Client: Telit IoT Solutions, Inc.

The Internet of Things (IoT) in smart city transportation will transform how drivers, and even cargo, get from one destination to the next. In this article, we'll look at a 3 major benefits and two Telit customer use cases in transportation.

Deb Monfette B2B Technology Content Writer and Strategist
deb@contenttriggers.com

Thought Leadership Article: The Use of IoT in Transportation

3 Major Benefits of IoT in Smart City Transportation

The Internet of Things (IoT) in smart city transportation will transform how drivers, and even cargo, get from one destination to the next.

In fact, [Research and Markets](#) latest transportation forecast stated that IoT is one of the most important platforms for smart cities. The global market size is expected to reach \$495.57 billion by 2030.

IoT devices and connectivity makes cities smarter and safer. It also makes the systems easier to manage.

IoT is being used across several transportation segments to address challenges like traffic congestion and public transportation. Another area of impact is vehicle telematics. These smart devices track, monitor and analyze key performance data from vehicles in real-time.

The benefits are fueling the growth of IoT. In this article, we'll look at a 3 major benefits and two Telit customer use cases in transportation.

3 Major Benefits of IoT in Transportation for Smart Cities

IoT sensors, data, and connectivity can improve citywide operations throughout the transportation sector. Here are 3 major benefits.

- 1. Reliable Communication**
Communication between vehicles and passengers to the vendors must be reliable. Whether its fleet managers, EV service providers or rail operators. Getting people from one destination to the next safely and timely is crucial.
- 2. Cost-effective Connectivity and Flexibility**
5G IoT networks enables faster and cost-effective connectivity. Hundreds to billions of devices can be connected while data can be consumed and transmitted from multiple devices.
- 3. Real-Time Data Insights**
IoT Telematics provides real-time information. Operators can gain insights on traffic

Thought Leadership Article: The Use of IoT in Transportation

patterns and idle time. They can even monitor weather and maintenance issues. This data can be used to increase productivity while reducing expenses.

Two Use Cases for IoT in Transportation

Use Case 1: [The World's first 5G-enabled router](#) broke the throughput record in transportation

[Icomera](#) has a solid track record for delivering “world firsts” in transportation. It’s also the leading provider across Europe and North America for public transportation. It serves millions of transit passengers daily from trains to buses.

In 2003, Icomera installed the first on-train passenger Wi-Fi service. Fast forward to 2020. Icomera partnered with Telit to launch the world’s first rail-certified 5G mobile connectivity and applications router — the Icomera X5.

[Telit FN980 data cards](#) were used as a 5G modem solution across multiple regions. Together with Icomera’s SureWAN, the router delivered the fastest and most reliable connection for both rail operators and passengers. In fact, the trial broke the record for throughput known as “The Gigabit Train.” This would be equivalent to streaming over 200HD films all at once. The SureWAN was even faster.

Use Case 2: [Fleet Management](#) - Real-time monitoring with fleet telematics

[BSQ](#) is a security surveillance leader for fleet management. Cellular coverage can be tricky because it involves moving trucks. So, they needed dependable secure connectivity that wouldn’t require their customers to purchase additional components.

Using Telit’s IoT Platform, they adopted a data SIM that provides worldwide coverage with stable data costs. BSQ was able to offer customers competitive monthly rates, a free GPS locator on loan and a data SIM. This enhanced their customer experience.

BSQ’s software developers were also able to collaborate with Telit’s ecosystem of applications, system integrators and device suppliers.

Deb Monfette | Contenttriggers
Client: Telit IoT Solutions, Inc.

Thought Leadership Article: The Use of IoT in Transportation

Solving Smart City Transportation Challenges

Smart cities need a smarter infrastructure with reliable and manageable connectivity. Telit has many transportation solutions. We can build customized, ready-to-launch options with our IoT modules, connectivity and platforms. Get one-touch access to your global connectivity network with Telit IoT connectivity plans and management solutions.

Speak with a Telit IoT smart city expert to get started on your smart city transformation solution. Click on the link to schedule a call.