INTERNET OF THINGS (IoT) IN TRANSPORTATION

IoT is a system of connected devices that speak to and interact with each other and other networks to improve the way our lives and businesses operate

OPPORTUNITY DEFINITION | INTERNET OF THINGS (IoT) | ROAD TO VEHICLE COMMUNICATION

Receive real-time roadway information from central traffic management systems. The vehicles recognize high-risk situations in advance, resulting in driver alerts and warnings through specific actions. The drivers are also made aware of their surroundings such as traffic lights, traffic signals, parking lots and emergency situations to be able to act accordingly.

TARGET MARKET

Target Market
Number of registered vehicles **1.52 million** (2017)

Target Users
> Public Transportation Operators
> Emergency Responders
> Drivers
> Passengers

ADJACENT OPPORTUNITIES

> Connected Vehicles (V2V)
> Real-Time Crowd and Transportation Management
> Mobility Contextual Pre-Advice

STAKEHOLDERS

> Ministry of Transport & Communications (MOTC)
> Ministry of Interior (MOI)
> Telecommunication companies

KEY PROBLEM STATEMENT | NEED

Vehicles operate in silos despite being the primary cause of traffic congestions and incidents on the road.

There is a potential to decrease congestions and collisions by connecting vehicles to the infrastructure. This also enables a wide range of other safety, mobility, and environmental benefits.

OWNER AND SECTOR

Owner Ministry of Interior (MOI)
Sector Transportation

PROCUREMENT CYCLE

Post Tendering Stage
The opportunity is in post tendering stage.

TIMESPAN

Total duration of 3-5 years including implementation and testing

BUDGET ACROSS INTERNET OF THINGS (IoT) ECOSYSTEM

The Qatar market for IoT is projected to reach **USD$573 million** by 2022, at a compound annual growth rate (CAGR) of 35% from 2019 to 2022.