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) | REAL-TIME CROWD & TRANSPORTATION

Implementation of traffic sensors to monitor traffic conditions and trends and collect actionable data to curb the amount of congestion and foster a safer and more effective travel experience. Ultimately, the goal is to reduce the amount of time that the Qatari population spends stuck in traffic during their daily commutes.

TARGET MARKET

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

Target Users
> Transportation Operators
> Emergency Responders

ADJACENT OPPORTUNITIES

> Connected Transport Network
> Road to Vehicle Communication
> Public Transportation Social Listening

STAKEHOLDERS

> Ministry of Transport & Communications (MOTC)
> Ashghal
> Ministry of Interior (MOI)

KEY PROBLEM STATEMENT | NEED

As Qatar transportation infrastructure grows, an increase in traffic related problems such as traffic congestion, safety and pollution becomes inevitable.
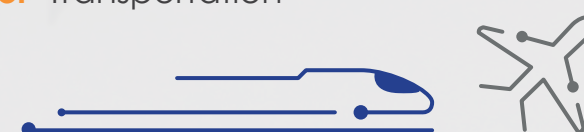
This will necessitate the implementation of sensory infrastructure to collect data about traffic conditions and make the appropriate changes.

OWNER AND SECTOR

Owner Ministry of Transport & Communication (MOTC)
Sector Transportation

PROCUREMENT CYCLE

Post Tendering Stage
The opportunity is in post tendering stage.

TIMESPAN

Total duration of 2-3 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.