



INTERNET OF THINGS (IoT) IN PUBLIC CONSTRUCTION, OPERATIONS & MAINTENANCE

The Internet of Things (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) | IoT STRATEGY DEVELOPMENT

This initiative is part of the organization's ambition to investigate and develop an end-to-end IoT strategy that can support the business objectives. The strategy requires investigation into the potential use cases, integration and networking requirements, security considerations as well as procurement, testing and implementation of solutions based on stakeholder consensus and buy-in.

TARGET MARKET

Target Market

Ashghal Public Works Authority

Target Users

- Digital, IT & Network functions within the organization
- Operations & Maintenance Functions
- Projects Implementation



KEY PROBLEM STATEMENT | NEED

IoT Implementations are typically quite challenging and can increase in complexity as they scale, especially where there are several OEMs involved. There is a requirement to devise a solid IoT strategy prior to embarking on a large-scale implementation to reduce the risk of an IoT implementation across aspects of the IoT value chain. For example, standardizing devices to reduce procurement and maintenance costs.



PROCUREMENT CYCLE

Procurement Approval

Opportunity Tendering: TBD.



TIMESPAN



Total duration of 18 months including strategy development, testing (PoC) and stakeholder alignment.



ADJACENT OPPORTUNITIES

- Digitization and Business Excellence function (Innovation Hub)

STAKEHOLDERS

- Ashghal Public Works Authority



OWNER AND SECTOR

Owner Ashghal Public Works Authority – Information Systems Department (ISD)

Sector Public Administration



BUDGET ACROSS INTERNET OF THINGS (IoT) ECOSYSTEM

The Qatar market for IoT is expected to grow at a compound annual growth rate (CAGR) of roughly 35% over the next four years, becoming a **USD 573 million** market in 2022.

