

## BLOCKCHAIN FOR ENHANCED TRANSPARENCY AND SECURITY

Blockchain is an open distributed ledger that can record transactions between two parties. Transactions are verified immediately by a distributed network of computers, without needing a central authority. Approved transactions are then added to the existing blockchain permanently and cannot be altered

### OPPORTUNITY DEFINITION | BLOCKCHAIN | BLOCKCHAIN IMPLEMENTATION

This initiative is part of the organization's ambition to investigate the potential use cases for blockchain adoption within the organization's operations and business processes to increase efficiency, transparency and security.

#### TARGET MARKET

##### Target Market

Ashghal Public Works Authority

##### Target Users

- Digital, IT & Network functions within the organization



#### KEY PROBLEM STATEMENT | NEED

Blockchain technology can enhance business operations and processes where there is an appropriate use case and defined business opportunity.

Evaluate current business process to identify potential use cases for blockchain adoption and implementation and define a minimum viable product for a Proof of Concept (POC).



#### PROCUREMENT CYCLE

##### Information Gathering

The opportunity will be tendered during 2021.



#### TIMESPAN



Total duration of 12 months including identification, testing (POC) and pilot program implementation.

#### ADJACENT OPPORTUNITIES



- Cybersecurity Strategy
- Digital Transformation

#### STAKEHOLDERS

- Ashghal Public Works Authority



#### OWNER AND SECTOR

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

**Sector** Public Administration



#### BUDGET ACROSS BLOCKCHAIN ECOSYSTEM

The blockchain market in Qatar is projected to grow sharply at a CAGR of 120% until 2022, reaching a market size of **USD 19 million** by 2022.

