

# BIG DATA ANALYTICS FOR LIVESTOCK MONITORING & ANALYTICS IN AGRICULTURE

Big Data Analytics provides insights that help governments and businesses enhance their operational efficiency, decision making and promote economic growth

## OPPORTUNITY DEFINITION | BIG DATA ANALYTICS | LIVESTOCK MONITORING & ANALYTICS

This opportunity enables farmers to monitor health & manage feeding of livestock through sensors & robotics that provide data to a monitoring dashboard. Data is fed into the central platform to provide visibility on livestock conditions on a national level.

### TARGET MARKET

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The total number of livestock in Qatar is about **1,600,000 heads of sheep, goats, cows and camels**. (MME, 2019)

#### Target Users

- Farmers



### KEY PROBLEM STATEMENT | NEED

While some of the larger livestock & dairy producers in Qatar have modernized their livestock & dairy analysis and management, many of the smaller scale farmers rely on traditional and manual ways to manage their production, leading to inefficient livestock management.



### PROCUREMENT CYCLE

#### Request For Proposal (RFP)

The opportunity is in a RFP stage.



### TIMESPAN



Total duration of 3 – 4 years including implementation, testing, operations and monitoring.

### ADJACENT OPPORTUNITIES



- National Food Security Analytics
- National Smart Pest Control
- Fish Stock Monitoring

### STAKEHOLDERS

- Farmers
- Ministry of Municipality & Environment (MME) – Livestock Management
- Baladna
- Widam Food



### OWNER AND SECTOR

**Owner** Farmers

**Sector** Environment



### BUDGET ACROSS BIG DATA ANALYTICS ECOSYSTEM

The Qatar market for big data analytics is projected to reach **USD 108 million** by 2022, at a compound annual growth rate (CAGR) of 20% from 2019 to 2022.

