

Nama Group Advanced Metering Infrastructure Rollout Project

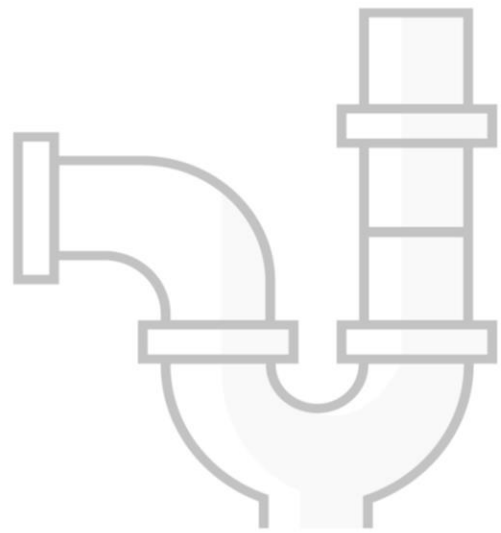
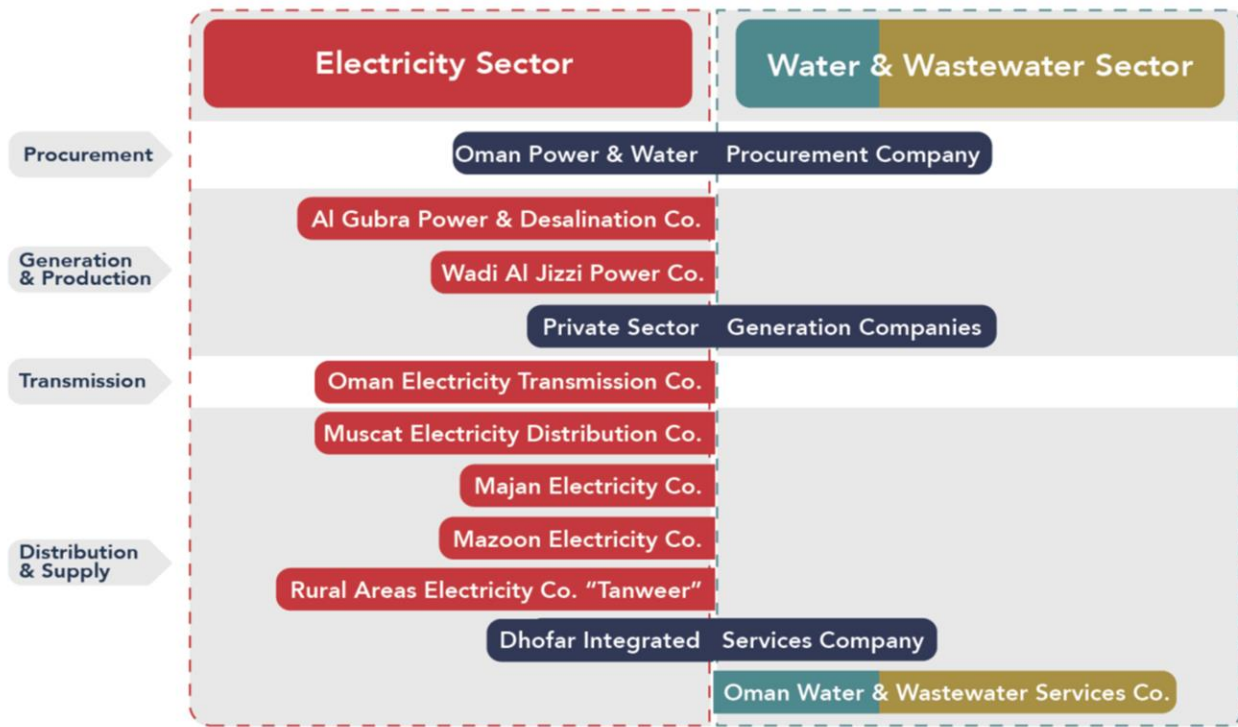
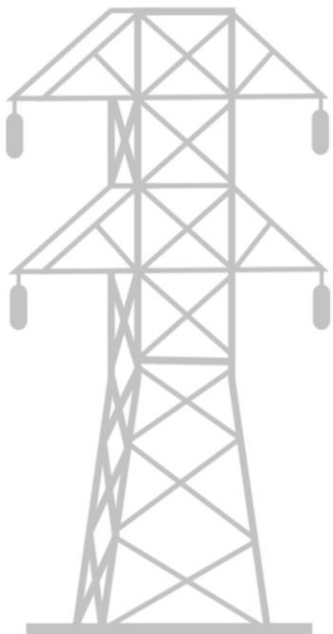
Khalfan Al Burtamani



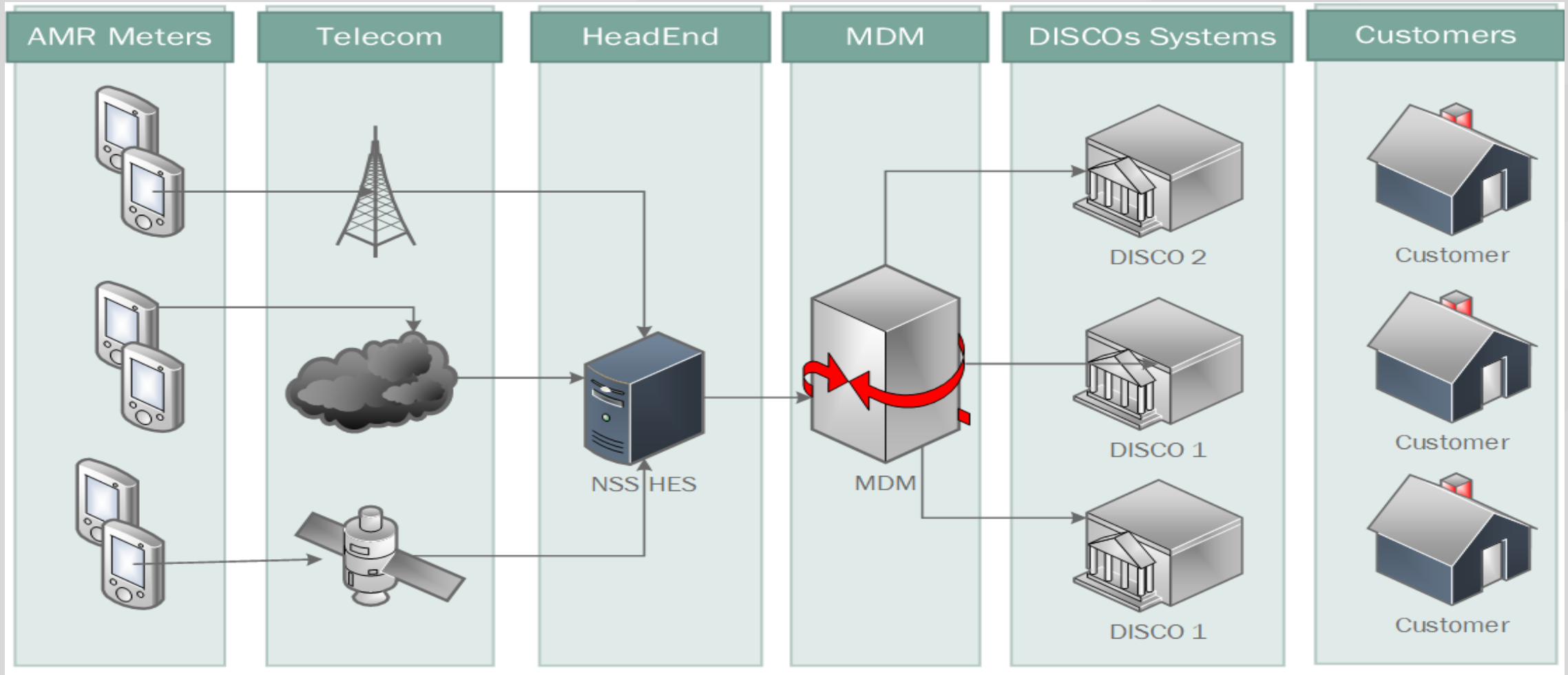
Nama Group

- Nama Group (NG) was established in 2004 and commenced its commercial operations on 1 May 2005.
- NG's operations are spread across generation, procurement, transmission, distribution and supply of electricity and water & wastewater in the Sultanate.
- The Group consists of 12 joint stock companies and 2 limited liability companies registered in the Sultanate of Oman.
- **The Distribution and supply business managed by the following companies:**
 - Muscat Electricity Distribution Company (MEDC)
 - Mazoon Electricity Company (MZEC)
 - Majan Electricity Company (MJEC)
 - Rural Areas Electricity Company (Tanweer)
 - Dhofar Integrated Services Company (DISC)

The Structure of Electricity & Water & Wastewater Sector Structure



Advanced Metering Infrastructure architecture



NG AMI Journey

Initiation started,
design , planning
for small scale
(pilot)

2016

AMI considered as
National Program
(APSR, Oman
Vision 2040)

2020

NAMA Group
decided to move to
massive rollout and
replace all existing
meters to Smart
meters

2022

2018

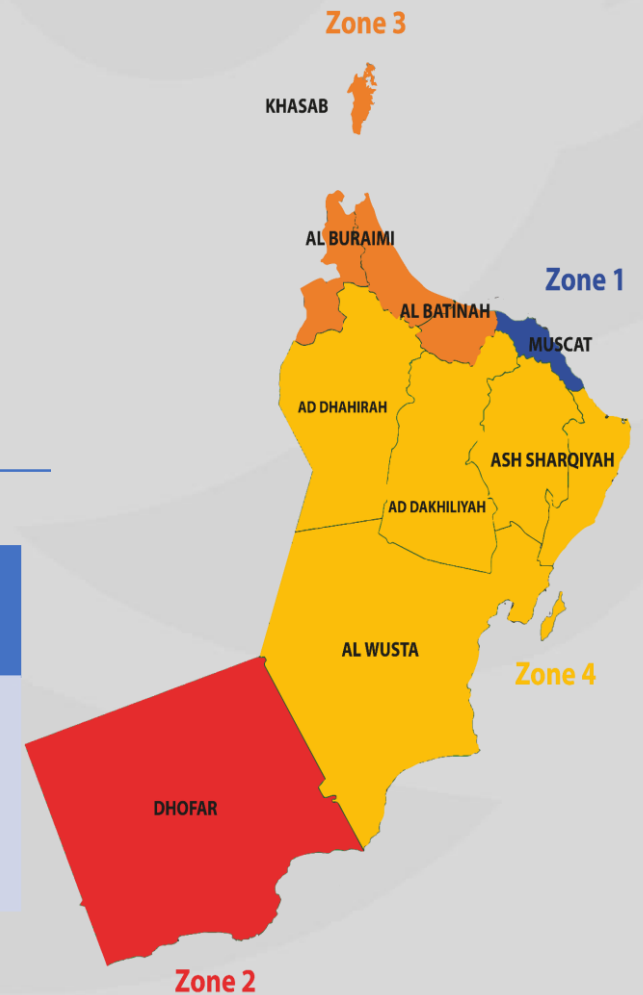
Small scale for 50 K
customers with
annual
consumption of
150 MWh

2022

Smart meters
Increased
gradually and
reached around
200 K by Sep 2022

2025

Rollout completed
for all of Oman-
target



Project benefits and objectives

NAMA (DSO)

Meter to cash

Revenue Protection

Outage detection

Remote Disconnection

Postpaid to prepaid

Asset Analytics

Remote meter reading

Distribution Automation

Power Quality improvement

Losses reduction

Customers

Outage management

Demand Management

Consumer portal

Home Energy Management

Behavioral conservation

Environment

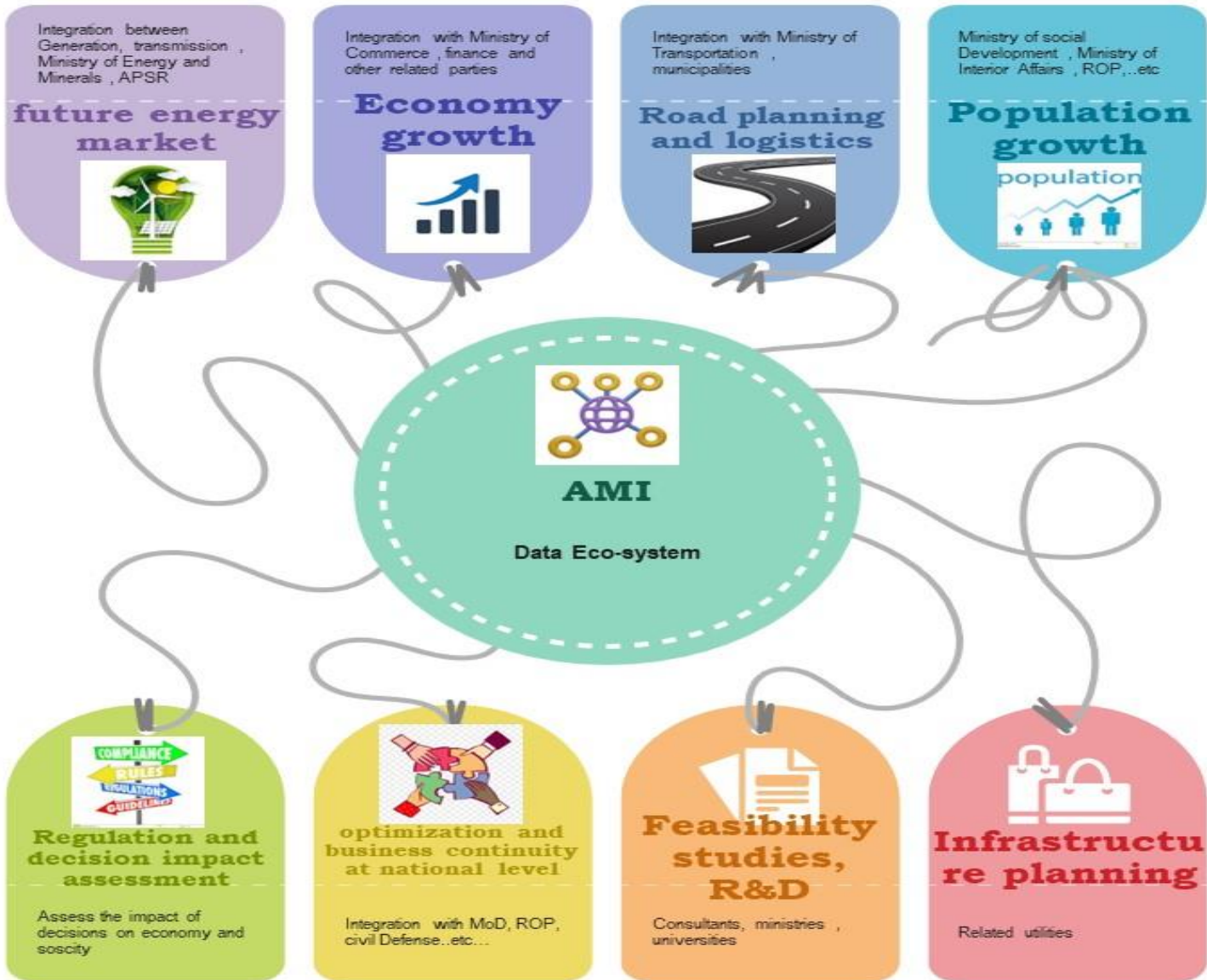
Time of use tariff

EV and PV

Lower carbon footprint

Big Data

Is there anymore Beyond Electricity and Water sector





Thank You