

Agenda



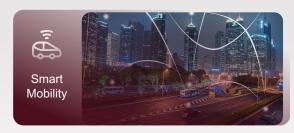
Gen-Al for Industry Solutions

Gen- AI
e& enterprise
iot & ai

Gen-Al can give us significant advantage over competitors by providing the smart data analytics. We are starting with Utilities to build our first model followed by Smart City









Full Life Cycle

End to End Solution as a Service

Consultancy

Design

Development

Delivery

24x7 Operations

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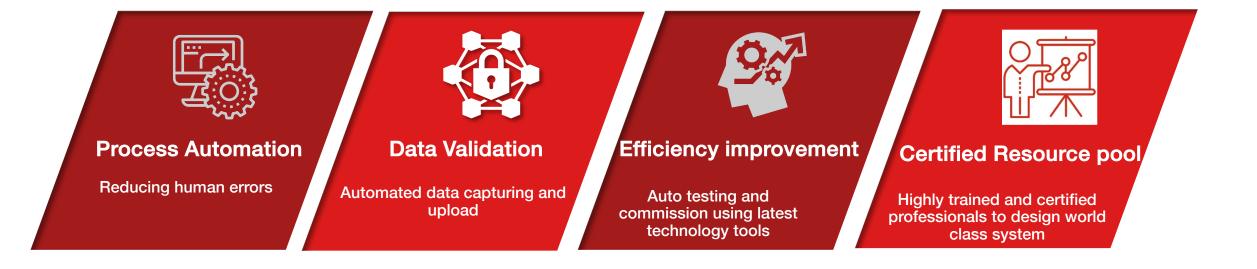
Utilities Co-Pilot

e&enterprise

e& enterprise has created proprietary platforms to automate the complexities of utilities industries

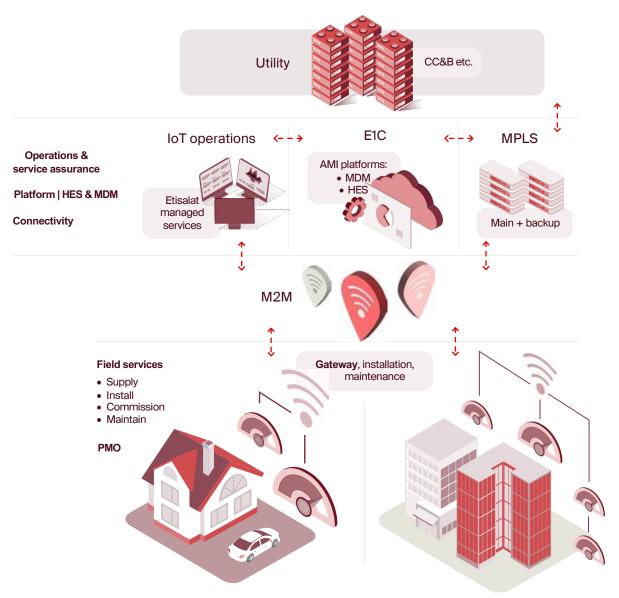
End-2-End Automation of the entire workflow





e& enterprise iot & ai

Utilities AMI Architecture



Scale



Connecting 2 M + Electricity & Water meters & ...



Processing 1.5 + Billion transactions per month

Sites and Meter **Ecosystem**

- 65+ Meter Model
- 145 Premise types
- · Geographical scattering
- 18 different meter manufacturer
- Different Meter Software

7 Protocols

- DLMS
- MBUS
- Wireless MBUS
- Modbus
- ST
- IEC
- Euridis

Device Ecosystem

- 33 Different DCU types to connect
- 1:1. 1:2 & 1:M
- Wireless/Wired
- AC Powered
- Battery operated
- NB-IoT/LTE

47 Functionalities

- Schedule meter reads with varied intervals
- Connect/Disconn ect
- Events/Alarms
- Billing Profiles
- Tariff agreements









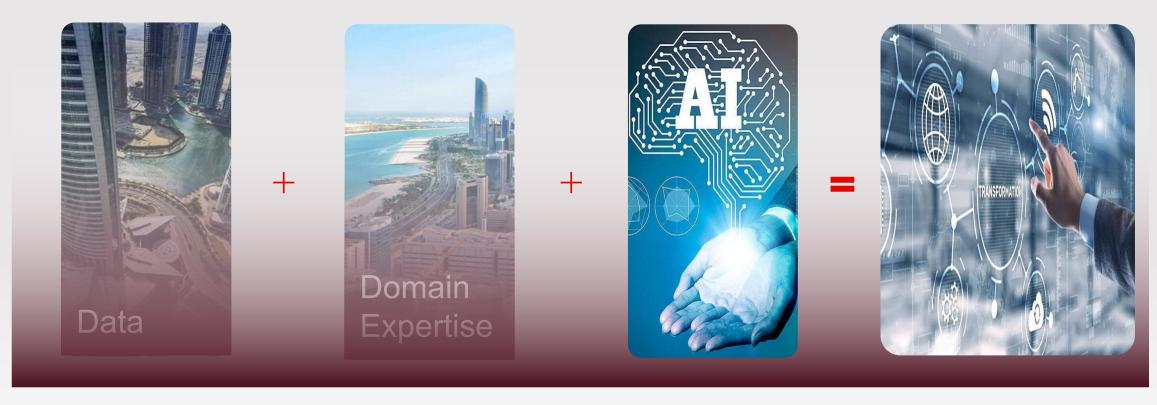
Utilities – Co Pilot

Villas/Farms/Shops...

Buildings/Factories...

Empowering your decisions with instant solutions.

exenterprise | Potential.Realised | Using the rich data sets and Domain experience along with Gen - Al



Real Data Resolving real problems

Gen-Al Models

Transformation

With end-2-end use being built and managed by e&, bringing automation we have understanding of all parameters with knowledge of the current challenges being faced by the industry. Gen Al can move the static information to dynamic, real-time analytics to ease decision making and change the way organizations currently work

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Utilities.Co-Pilot – Target Segment

Utilities& its End Customers

Utilities Co-Pilot not only addresses challenges it transforms the way of working at the utilities organization level & also for their end customers



Data type

- General Static Data (FAQs)
- Structured Data
 - Personalized Data
 - Utilities Data

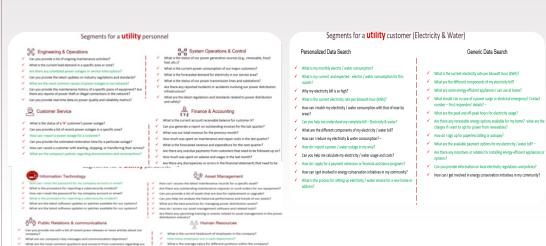


- Customer Service
- Engineering and Operations
 - Outage Management
 - Predictive analysis
 - Load Management
- Management reporting
- HR



- Current Consumptions Daily / weekly alerts
- Provide energy saving tips like optimal use of AC's, TOD tariff usage etc
- Providing energy usage details report billing issues / temp connect / disconnect
- Provide feedback for service etc.





Issues

Managing Cost & overheads

Lack of visibility & slower response time

Availability of system / resources.

Single source of truth, decision making

Data Management and segregation

High Workload

Latency and speed of information



Outcomes

Cost optimization and effective utilization

Better Visibility and faster response time

24/7 availability and better coverage across systems

Executive decision making at pace and certainty

Defined logic for data compilation and storage

Reduced workload to focus on critical tasks

In memory solutions ranging from dynamic dashboards to summarizations

we are using Gen-Al to transform the way we operate, enhance your utility organisation employees work and end customers experience! Collaboration with Microsoft Open Al and the Domain expertise from e& Enterprise making dynamic information available for Utilities and also their end customers

Demo Use Cases

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Demo.UseCases



- 1. Plot the Total consumption in kwh, for each Area
- 2. Calculate the unique no. of customers in each Area.
- 3. Calculate and Plot a bar chart showing Customer IDs that have the highest average consumption in kwh
- 4. Plot a bar chart showing number of scheduled outages, for each area?



- 1. How can I report power outage? Pls reply in Arabic.
- 2. What is a Bill Estimation?
- 3. How is it calculated? Please reply in Arabic.
- 4. My customer ID is C123401020943522. Plot my daily consumption in a line chart
- 5. My customer ID is C123401020943522. What was my consumption on 28th August
- 6. My customer id is C123401020944142. calculate and compare my average consumption in kwh (in percentage (more or less)) to average consumption of 'KHALIFA INDUSTRIAL CITY' area

THANK YOU

e enterprise