

# Cloud as enabler for Digital Transformation in CGDs

**Presented by**

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## Maintain network availability and safety levels

Real-time monitoring of  
gas distribution network  
parameters, critical asset  
monitoring and leakage  
detection

## Increase operational efficiency

Integrated processes,  
performance monitoring,  
analytics will help drive  
operational efficiency

## Increase consumer base

Consumer experience  
factor drives consumer  
satisfaction

## Cost Optimization

Identify areas of improvement  
to optimize costs (demand  
planning, IT resource  
management etc.)

Digital Transformation enables flexibility and greater focus on core Utility objectives



Reliability



Safety and security



Agility and  
time to market

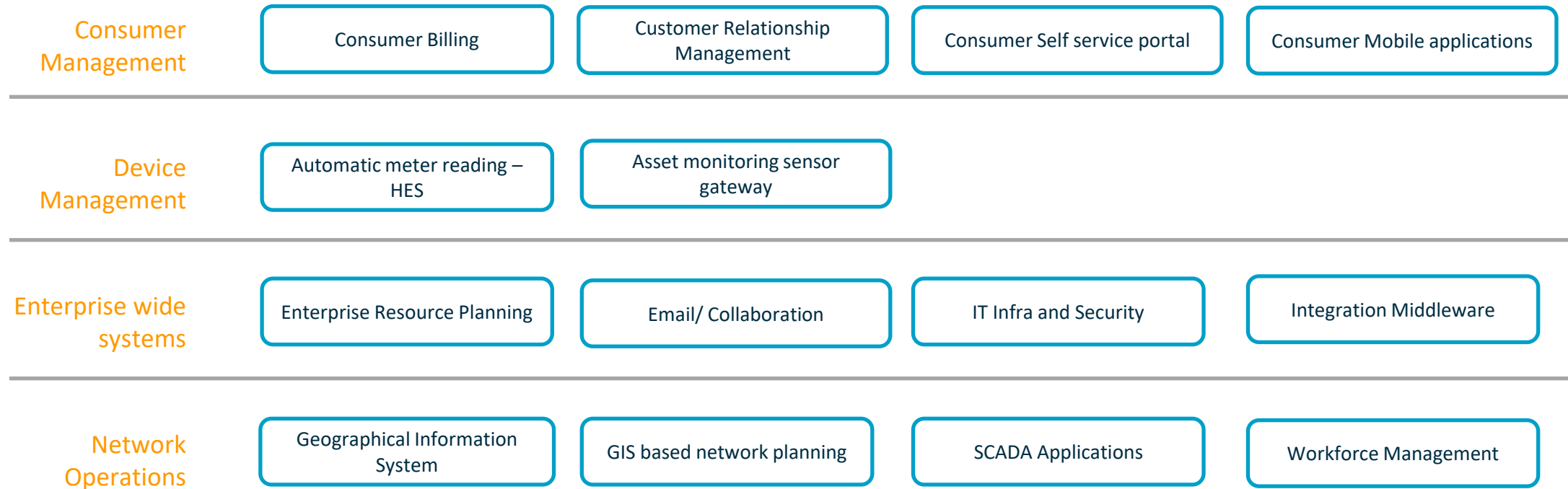


Customer satisfaction



Revenue and costs

# Systems landscape in a CGD utility



SCADA & IOT sensors

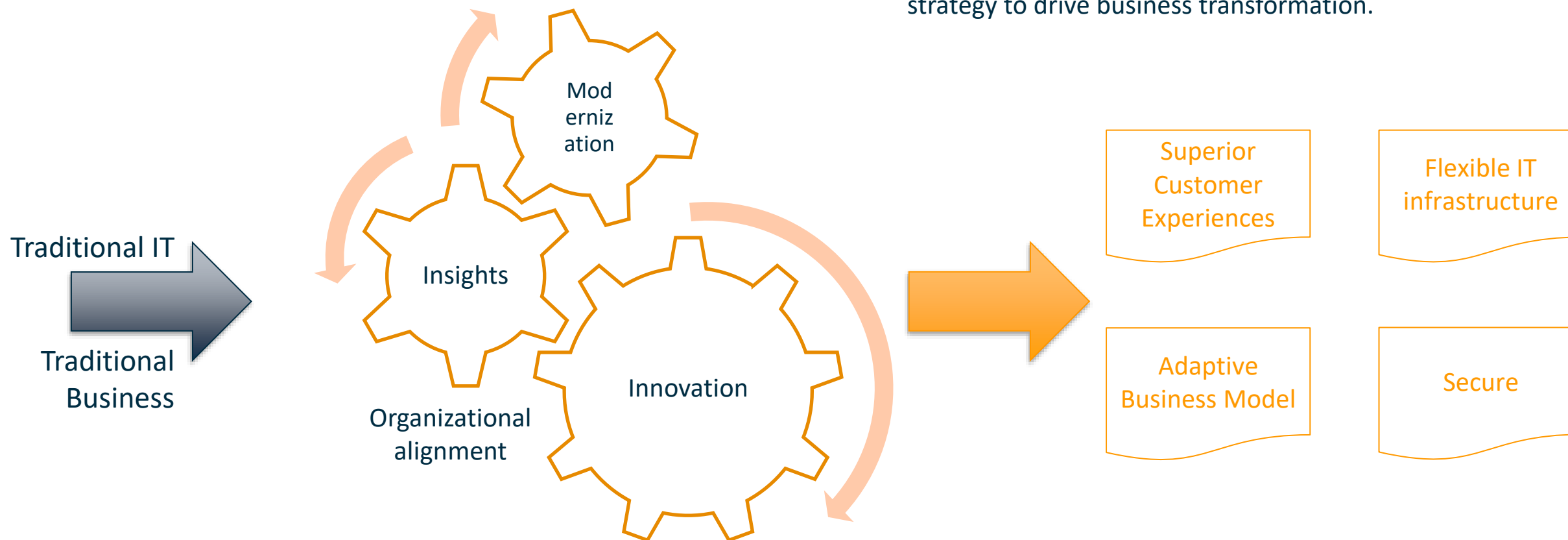


Smart meters



Domestic, Industrial and commercial consumers

- Bring technology and business closer together
- Combine and align business priorities with Modernization, Innovation, Insights, and Org Change into a manageable strategy to drive business transformation.



Modern engagement proactively crosses over multiple channels **capturing more consumer data**, and **giving consumers more of what** they want, via the channels they prefer.



Contact center  
customer service



Web portals and mobile  
apps



Chatbots, voice commands,  
Alexa Skills



Email, text alerts,  
push notifications



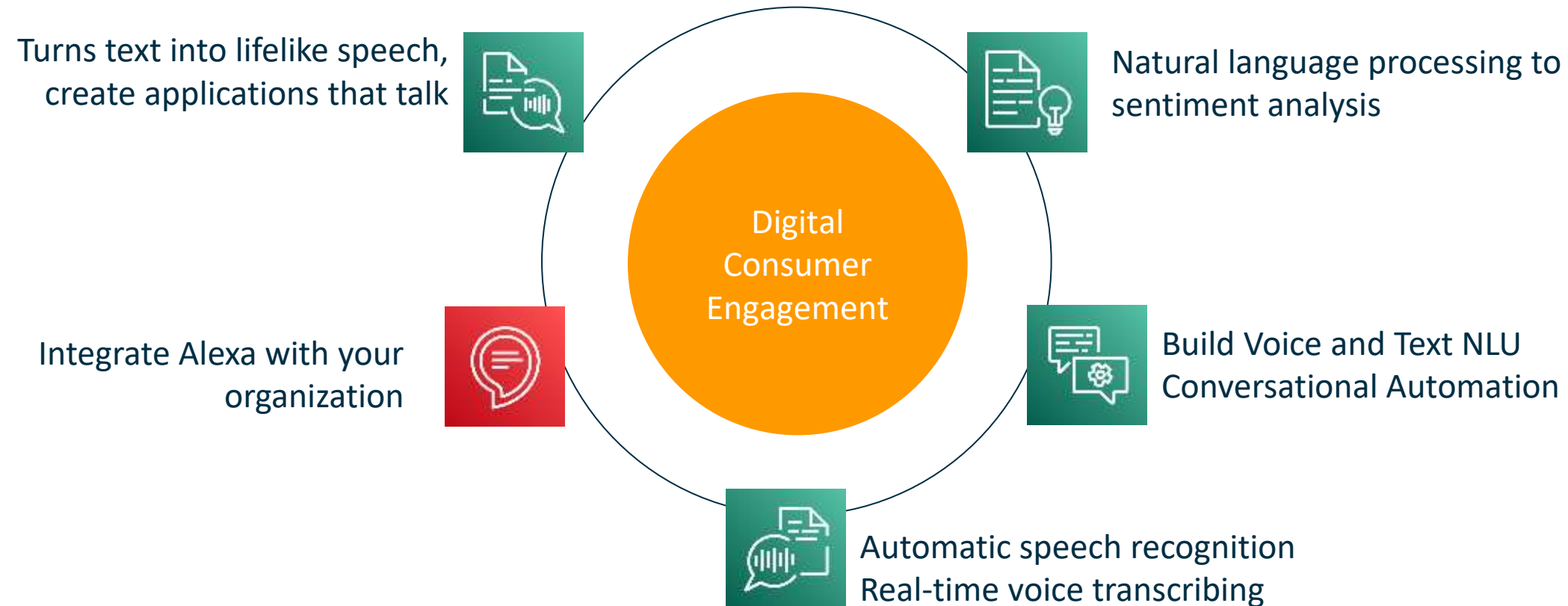
Connected home programs



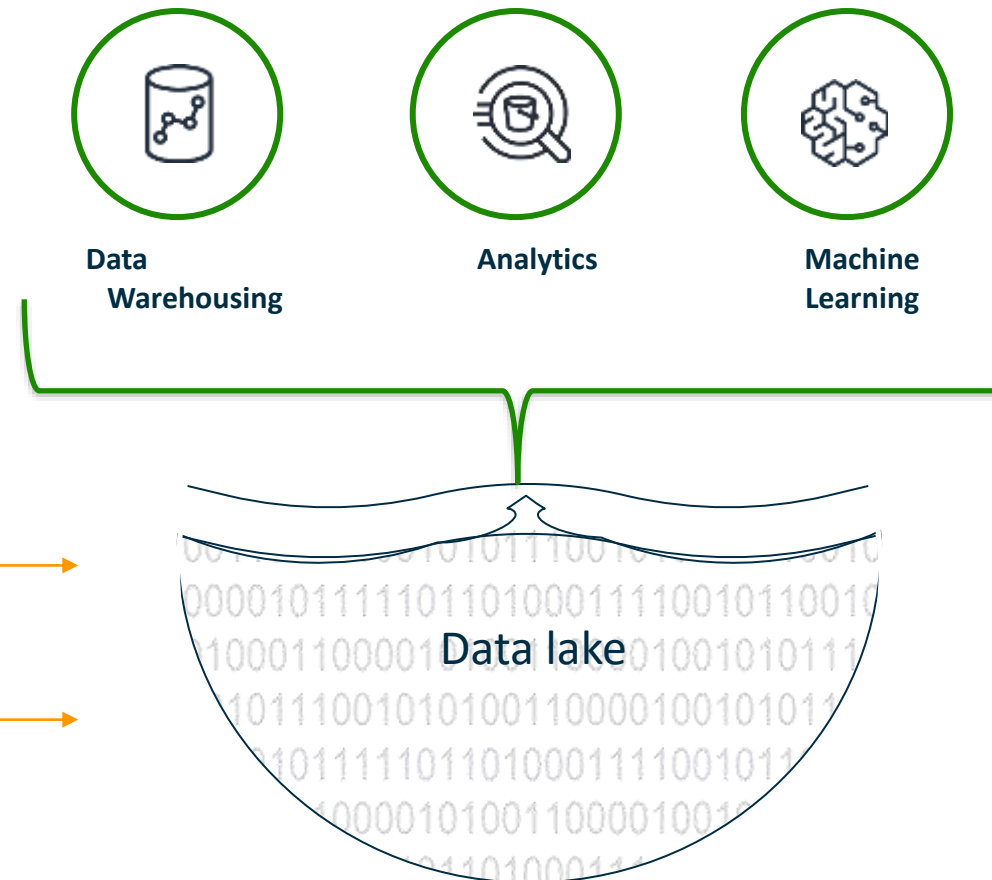
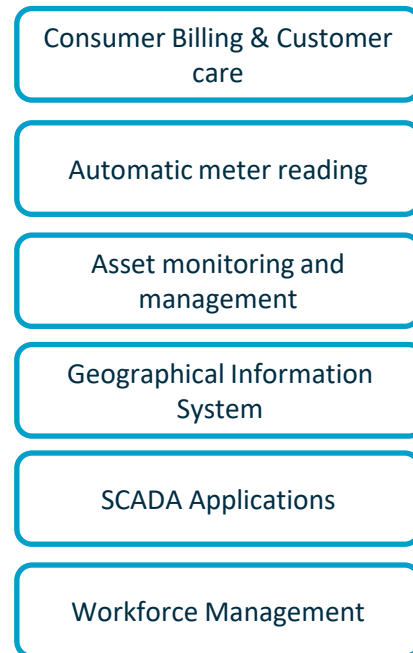
Smart devices

**Digital consumer  
engagement**

# Areas for cloud adoption in CGD



## CGD applications



A single storage layer for all analytics and ML

Build analytics for varied use cases

**Organizational KPIs:** Billing, Revenue, Average revenue realization, average cost to serve etc.

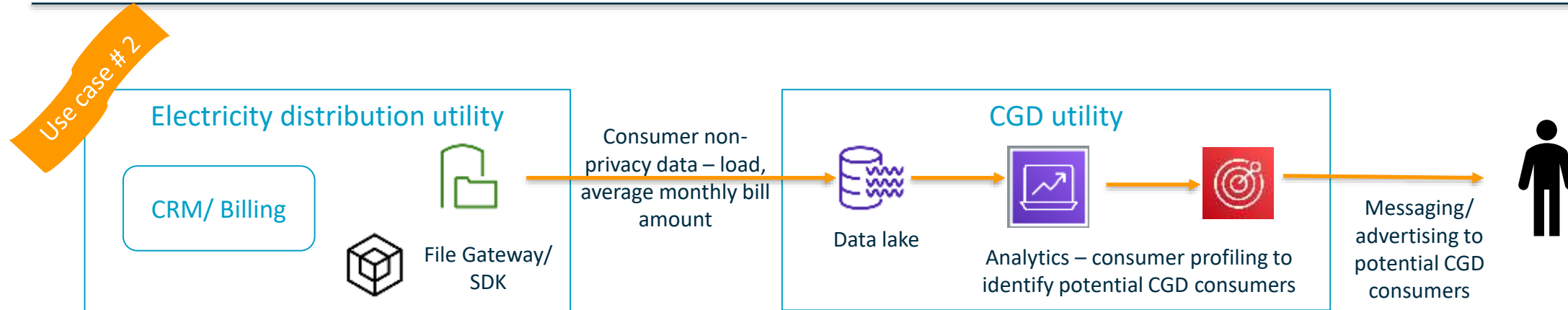
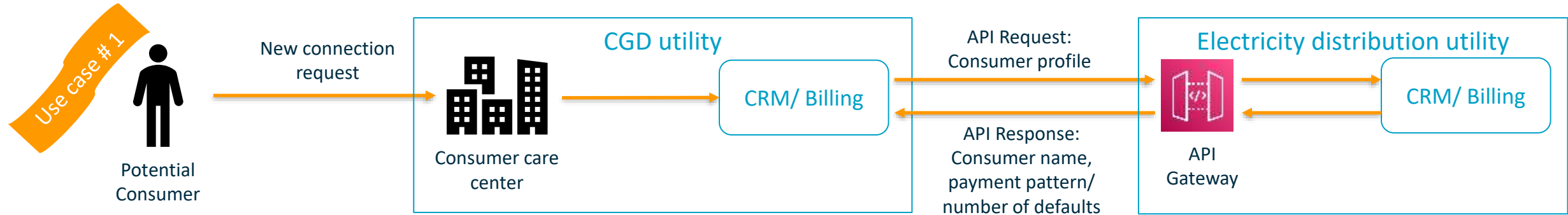
**Usage analysis and patterns** at consumer level and GA level

**Predictions:** demand/ usage forecast, revenue prediction

**Asset condition analysis** using computer vision

**Fraud detection** using anomaly detection in usage patterns

# Cross leverage between electricity and CGD





# Thank You

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