

City Gas Distribution Network for 70% of India's Population By 2030

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Focus areas for a CGD utility

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



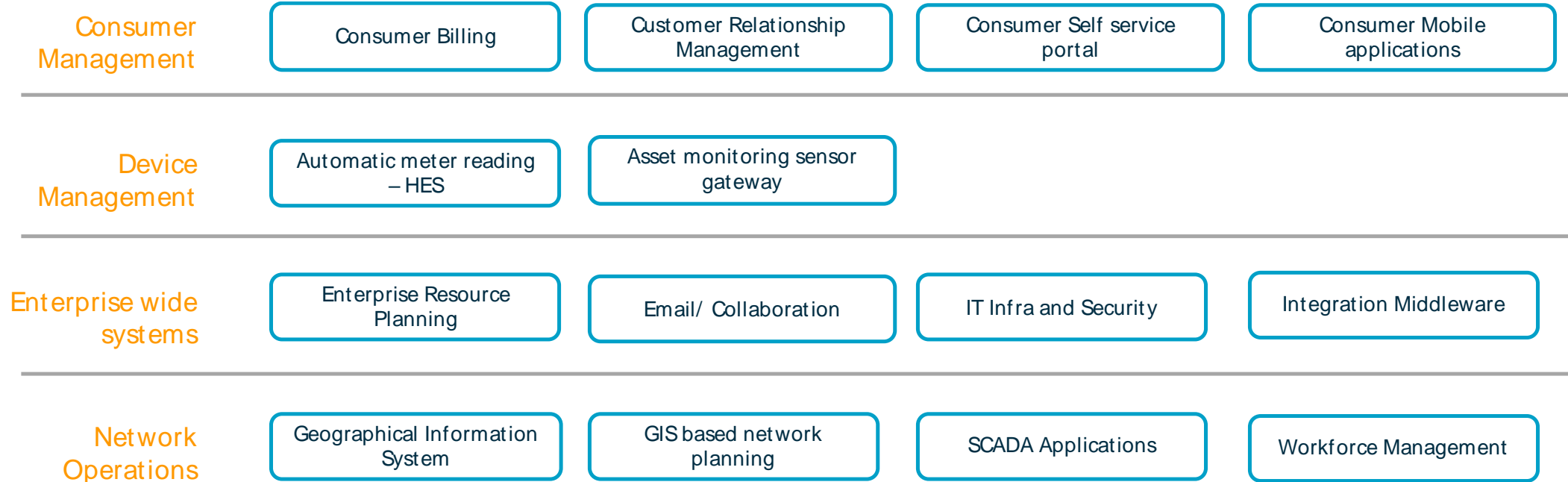
Customer
satisfaction



Revenue and costs



Systems landscape in a CGD utility



SCADA & IOT sensors



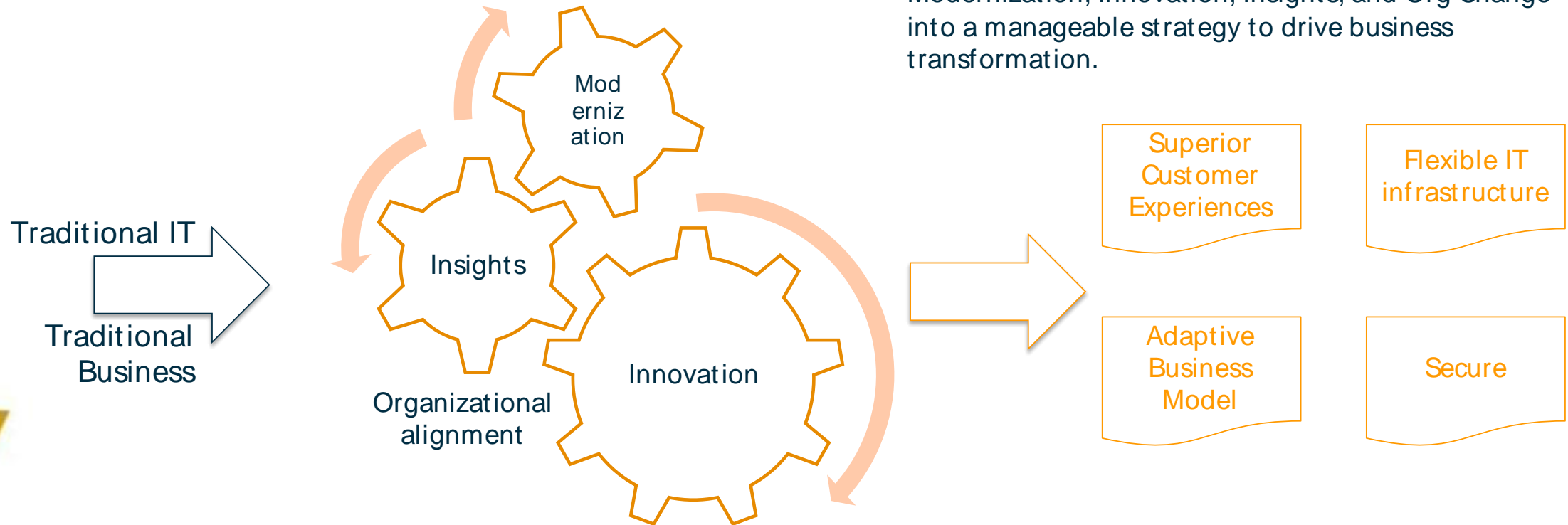
Smart meters



Domestic, Industrial and commercial consumers

Transformation towards digital businesses

- 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.



Areas for cloud adoption in CGD

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

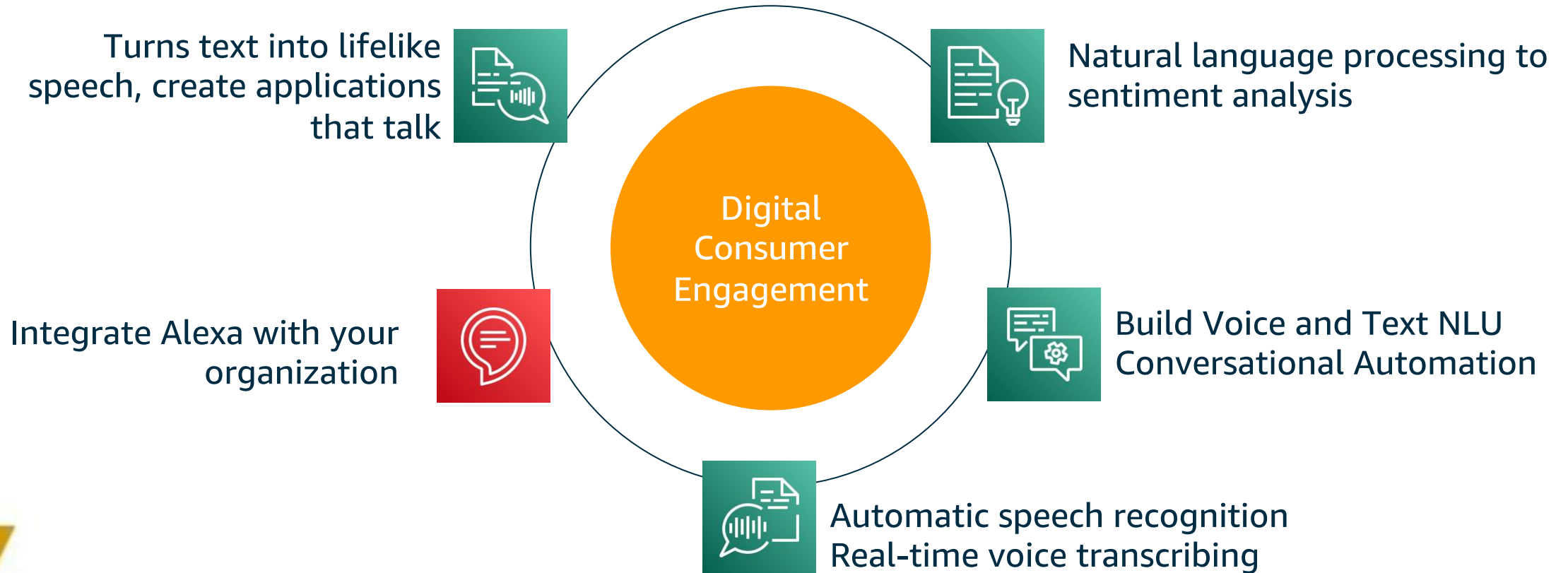


Smart devices

**Digital consumer
engagement**

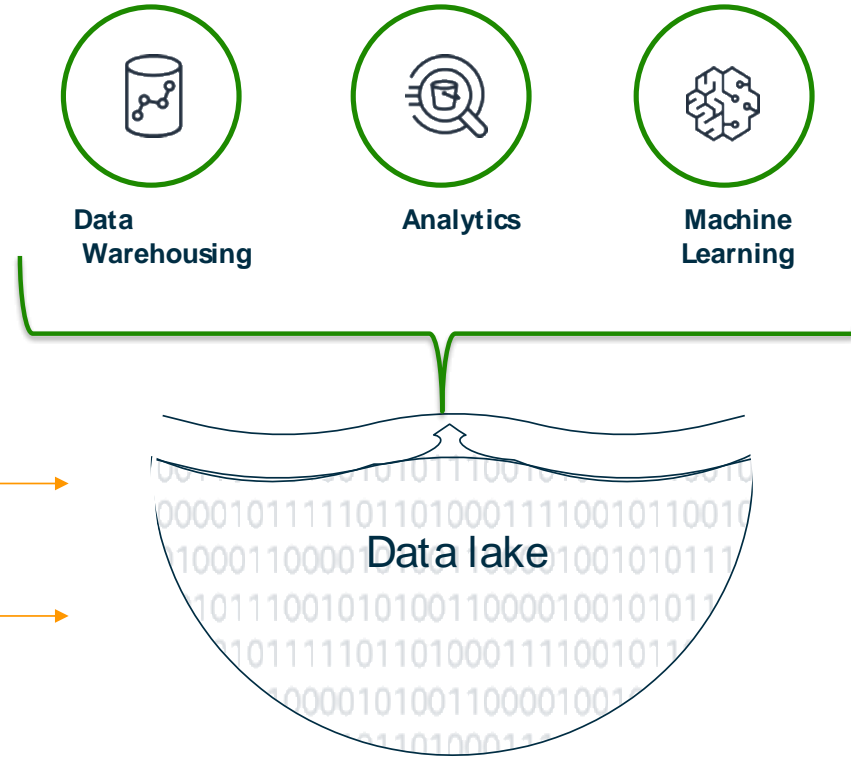
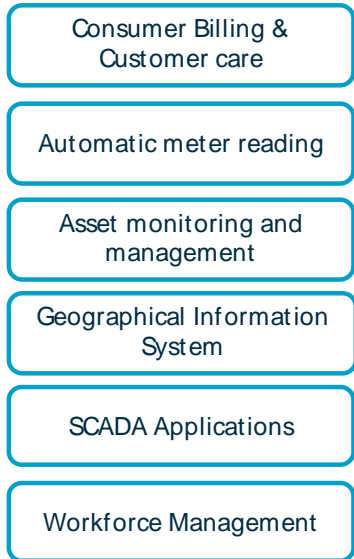


Areas for cloud adoption in CGD



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.

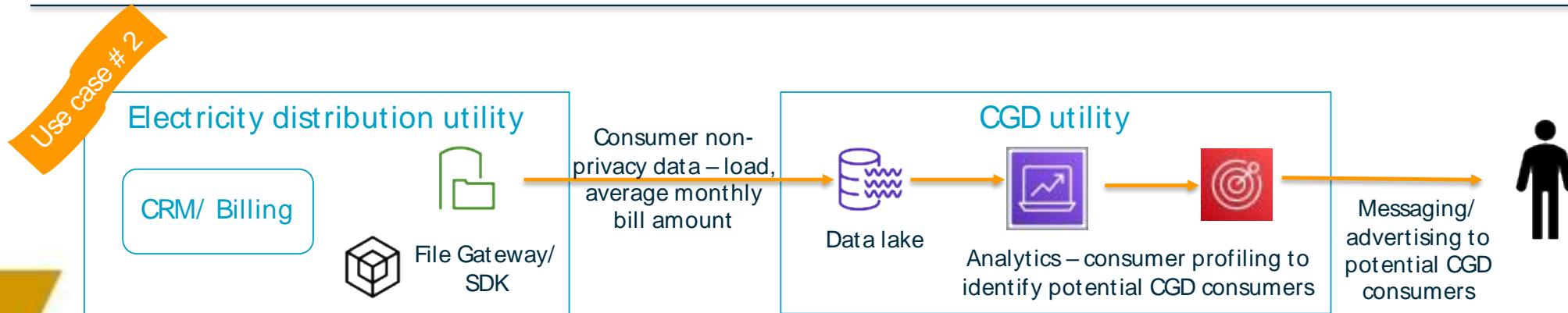
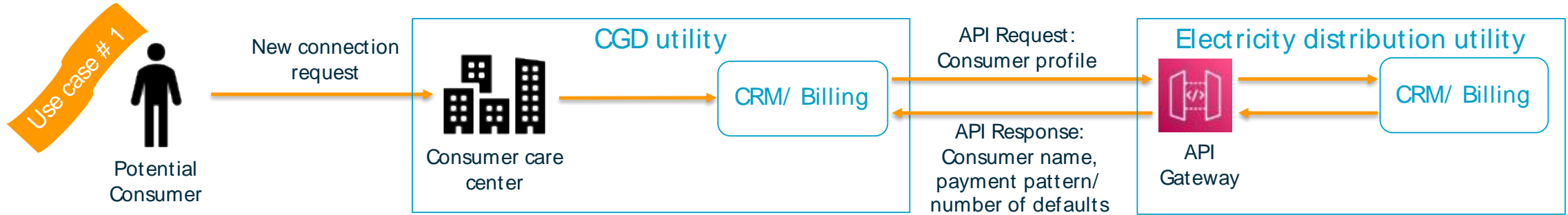
Usage analysis and patterns at consumer level and GA level

Predictions: demand/ usage forecast, revenue prediction

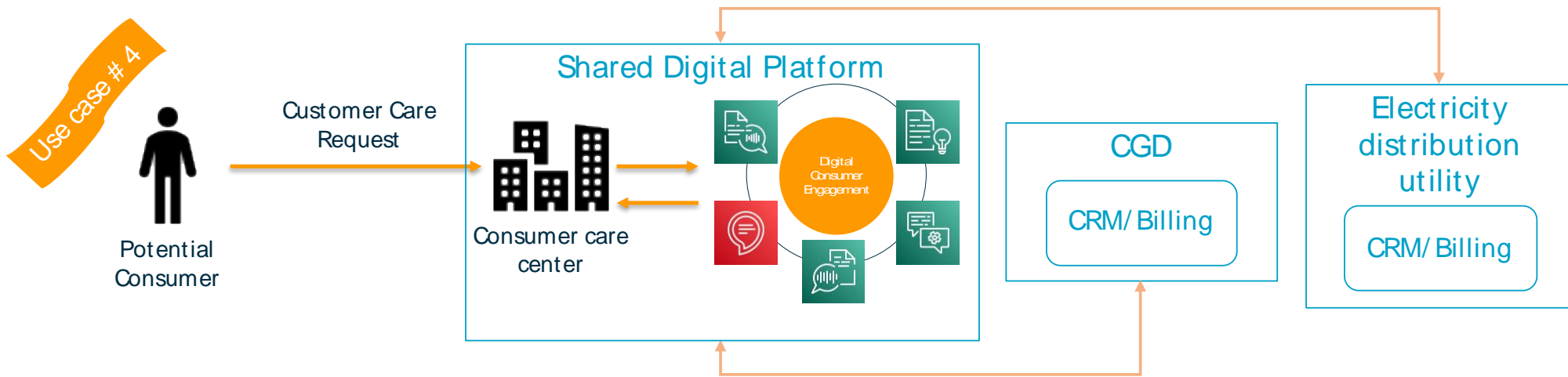
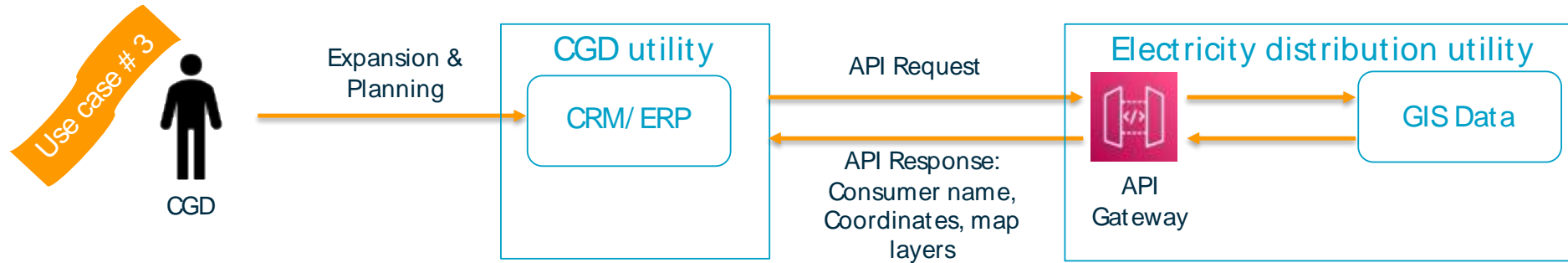
Asset condition analysis using computer vision

Fraud detection using anomaly detection in usage patterns

Cross leverage between electricity and CGD



Cross leverage between electricity and CGD



Thank You

*For discussions/suggestions/queries email: www.indiasmartgrid.org
www.isgw.in*

[Links/References \(If any\)](#)

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