



# Empowering Energy with AI

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# Today's presentation

- Empower & Empower Energy Intelligence
- AI in Energy
- Knowledge creation at Empower EI
- Future & development

*“Artificial intelligence (AI), the ability of a digital computer or computer-controlled robot to perform tasks commonly associated with intelligent beings. The term is frequently applied to the project of developing systems endowed with the intellectual processes characteristic of humans, such as the ability to reason, discover meaning, generalize, or learn from past experience.”* Britannica - 2019

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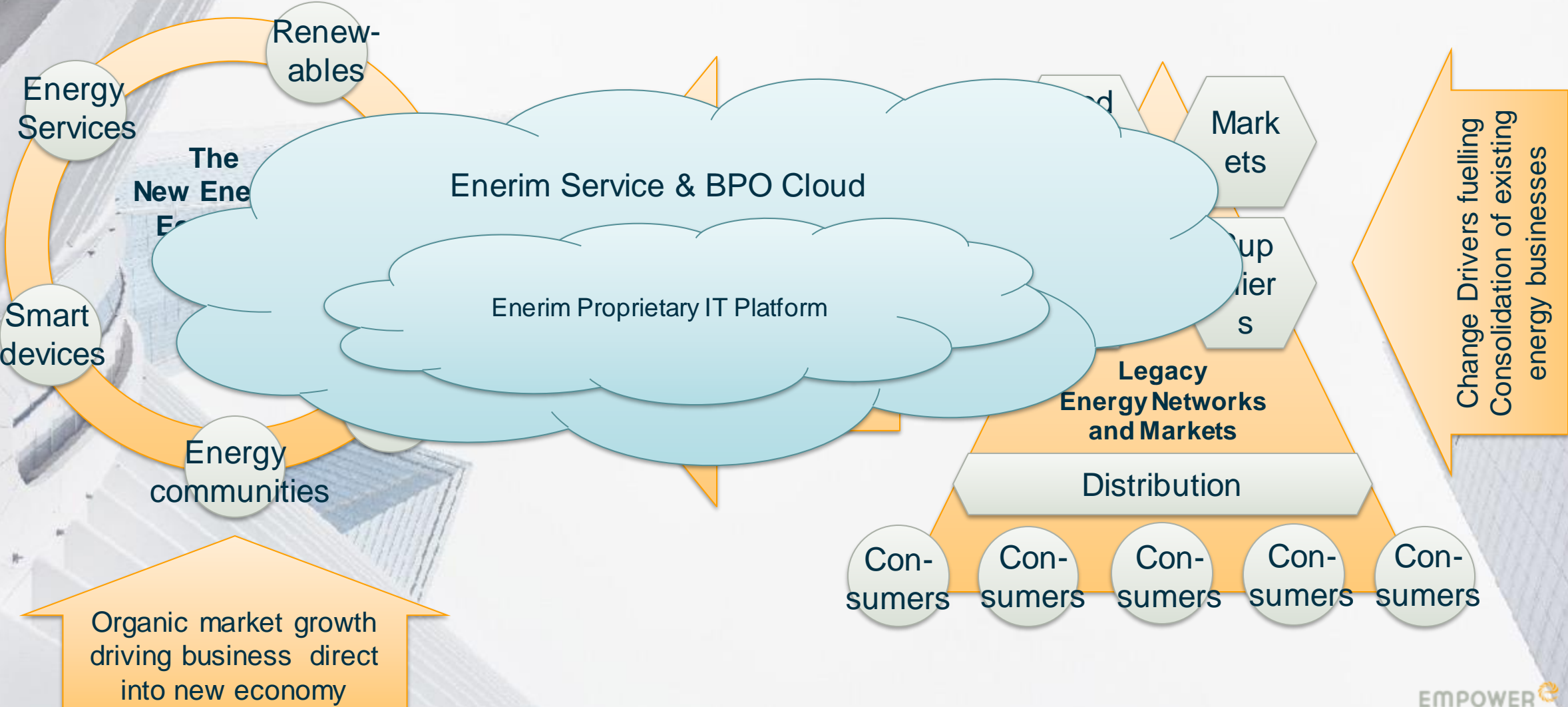
# Empower in brief

**Empower is a multinational company realizing smart society essentials.**

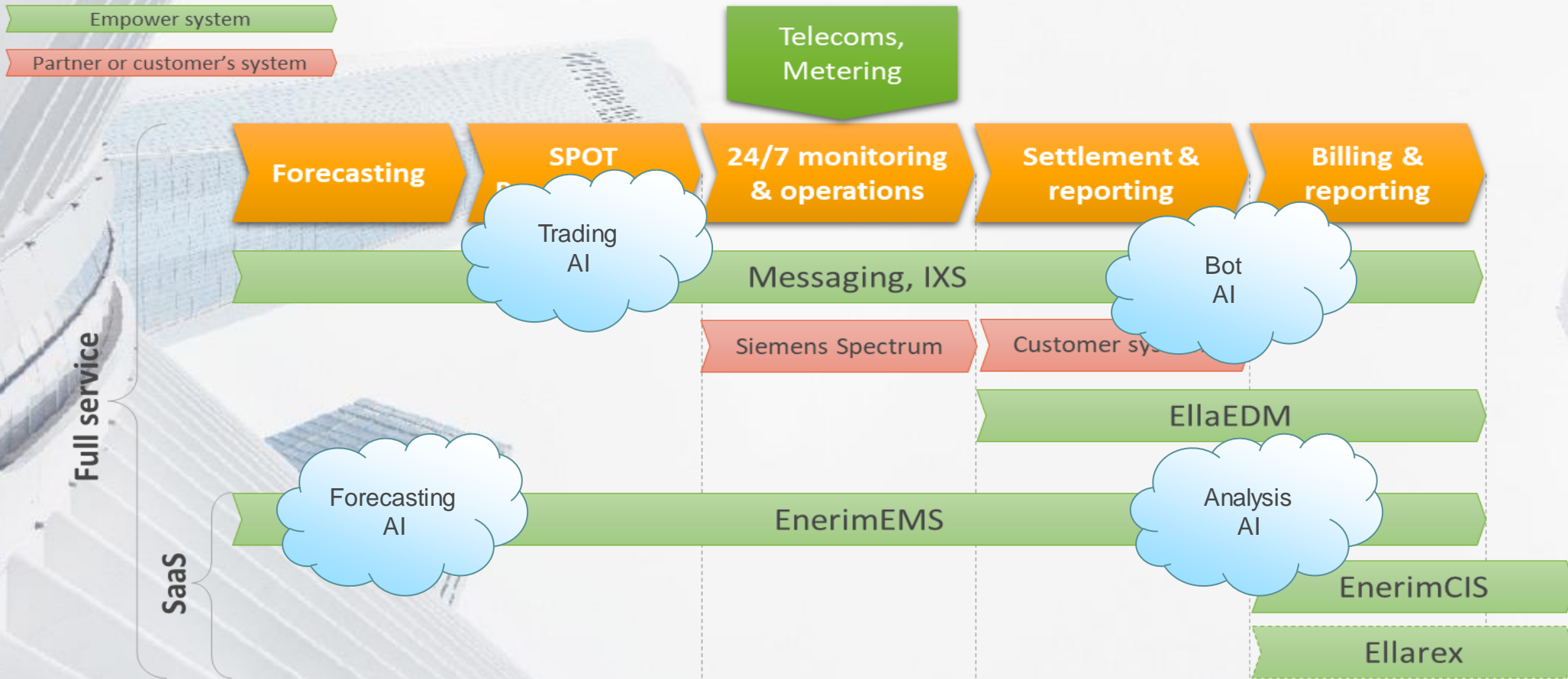
The company develops digital platforms for customer needs utilizing profound domain competences of the service business ranging from building and maintaining electricity and telecom networks and maintaining factories and power plants to delivering information management systems and services to the energy sector. The company operates in the Nordic countries and in the Baltics.



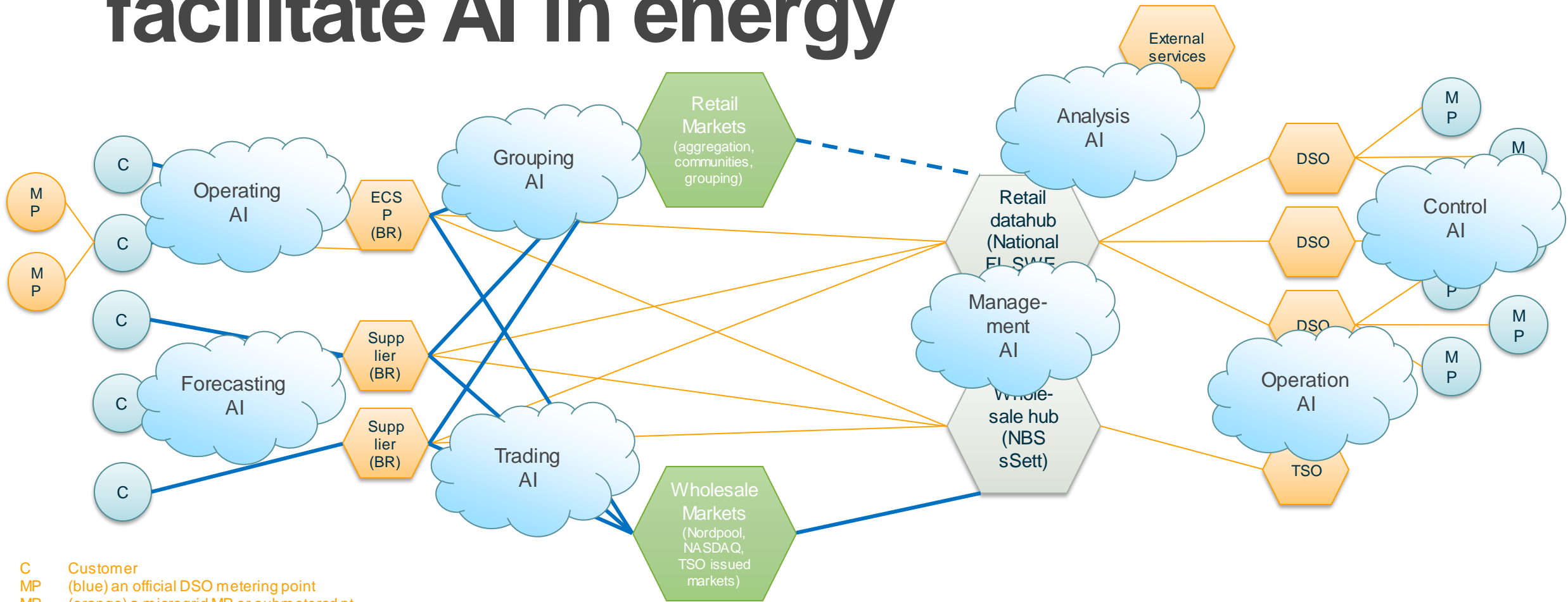
# We realize Smart Society Essentials by enabling the transition to the New Energy Economy



# Operated and delivered as a full BPO service or AI enabled SaaS



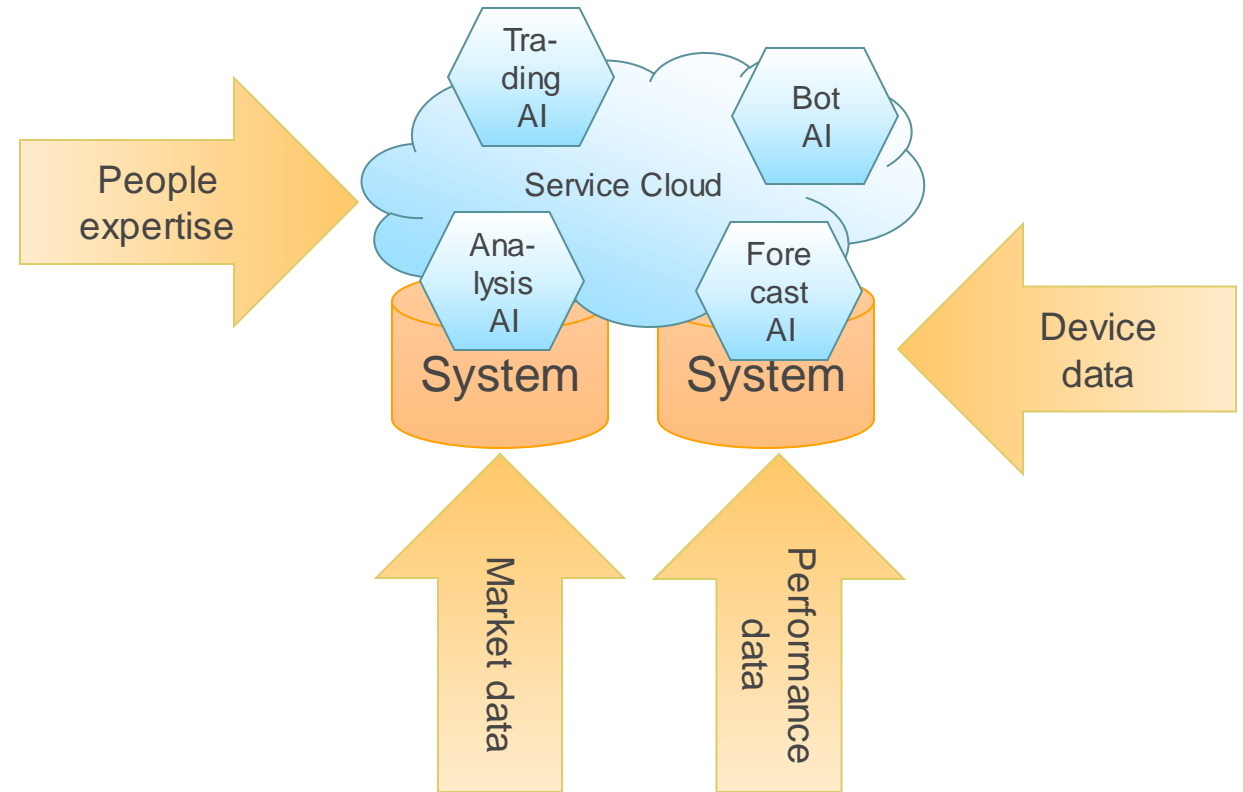
# Hub enabled Nordic markets facilitate AI in energy



- C Customer
- MP (blue) an official DSO metering point
- MP (orange) a microgrid MP or submetered pt.
- DSO Distribution System Operator
- TSO Transmission System Operator
- BR Balance Responsible
- ECSP Energy Community Service Provider

# Knowledge creation at Empower EI

- Expert work
- Device data (maintenance)
- Energy management
- Meter data
- Forecast forming
- Billing information
- Embot actions



# Empower EI Development, A Thought Leader Position

## European development

EU Projects,  
SENSIBLE, DOMINOES,  
INTERFACE,  
M2MGRIDS, SEAS ...

## Nordic Change

Industry organisation  
collaboration, Finnish  
Energy Industries,  
Datahub design  
collaboration

## Government collaboration

Regulatory  
development of market  
model & settlement  
content

Engagement in key development subjects

Datahub, Nordic Retail Market, Nordic Balance Settlement, Next generation AMI,  
Flexibility Management, Local Energy Communities, 15 minute settlement, flexibility  
markets



# Empower

# Energy Intelligence

Realizing Smart Society Essentials

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