End

current
Battery Systems
Data Generation

temperature
Battery Systems
Data Generation

voltage
Battery Systems
Data Generation

environment
Battery Systems
Data Generation

Hardware Systems
Data Sensing

GPS
Battery Systems
Data Generation

...
Battery Systems
Data Generation

Gateway
Connecting

Edge

Edge Component
Data Collection

Data
Storage

Software
Update

Data
Synchronization

Local
Computation

Gateway
Connecting

Cloud
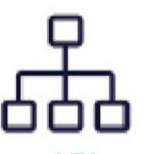
Cloud
Data Storage

API
Data Processing

State
Estimation
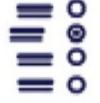
Charging
Management

Big Data
Analytics

Safety
Warning

Equilibrium
Management

Gateway
Connecting