

[www.cir-strategy.com/events](http://www.cir-strategy.com/events)

10th anniversary Cleanpower Smart Grids  
Conference 2019



# Managing the World's Batteries

Home Storage | Electric Vehicles | IoT | Grid

**Local grid balancing from aggregated storage and electric vehicles**  
Simon Daniel, CEO

# The Smart Battery Company



GridShare, Moixa's AI platform manages energy storage and electric vehicles for system benefits



Smart Battery for  
mass market



GridShare Aggregation  
Platform to manage  
batteries & EV



Operate Batteries for  
Utilities, Network and  
System Benefits



£16m raised over  
last two years

**HONDA**

**ITOCHU**

**FIRSTIMAGINE!**

**TEPCO**

Contrarian  
ventures 





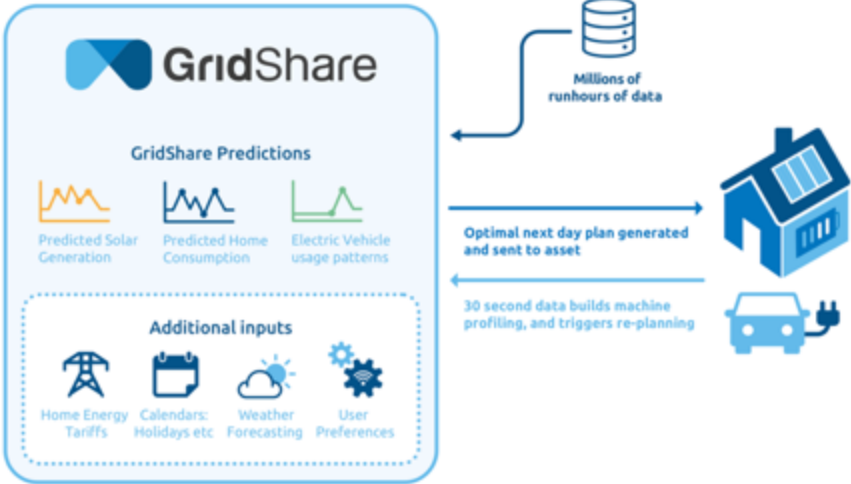
Smart Battery solutions for the mass market

# GridShare: Raising the IQ of the world's batteries

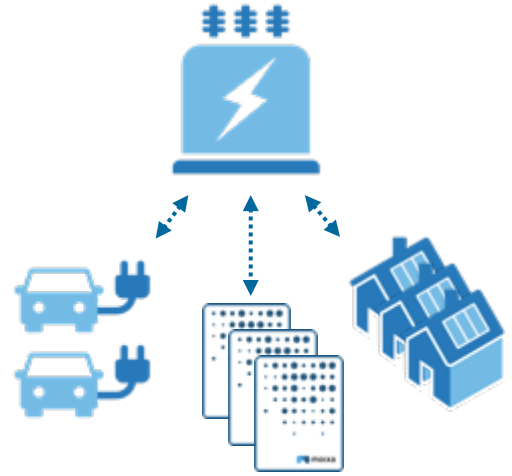
Manage and aggregate energy storage and electric vehicle resources, at individual or group level



Interfaces and Analytics into client systems



AI optimization, prediction for smart charging and tariffs

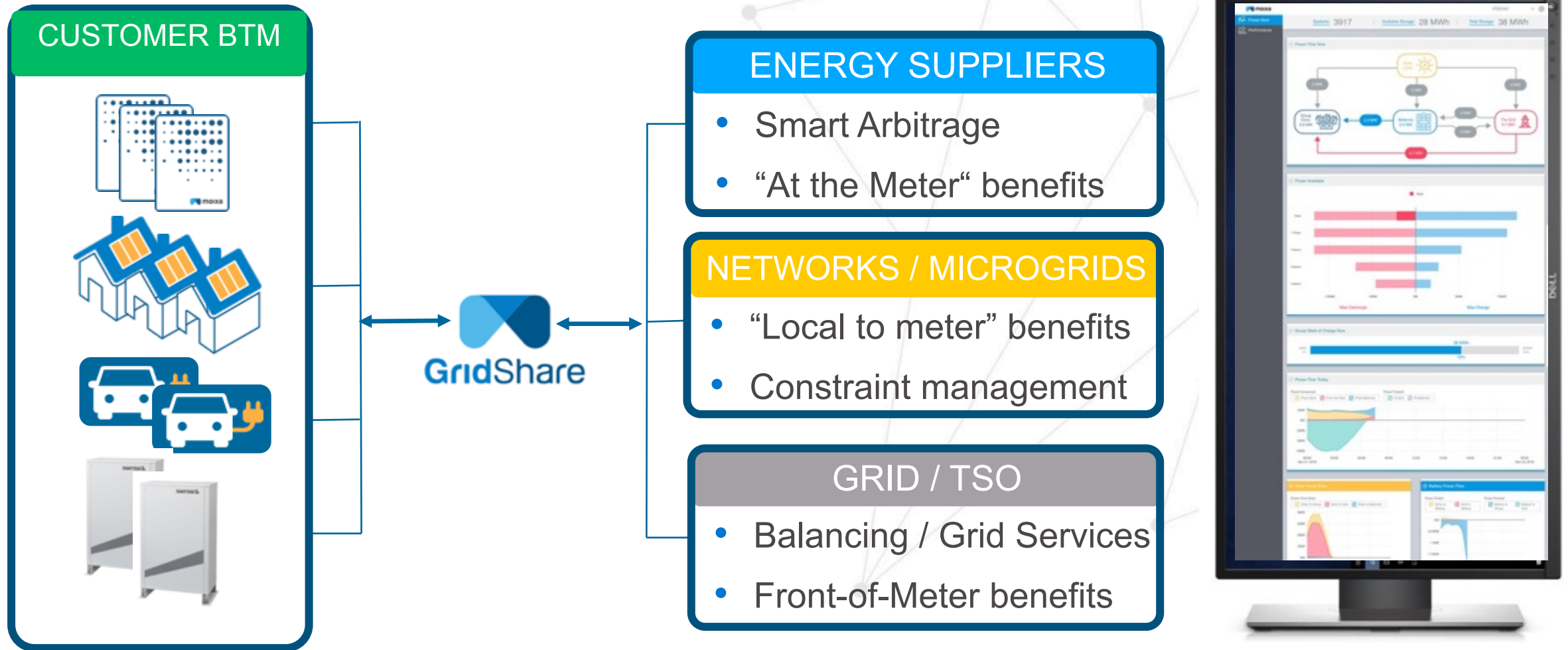


Aggregation and Integration across multiple ESS, EV

Enable our partners to leverage renewables and provide better customer services, energy price and flexibility management

# Aggregate to form Grid Scale Battery / VPP

GridShare manage fleets of Battery and Electric vehicle charging, for energy suppliers and as grid scale battery for network services



# Example - Moixa UK network projects



Project ERIC: Energy Resources for Integrated Communities



Reducing Grid Constraints



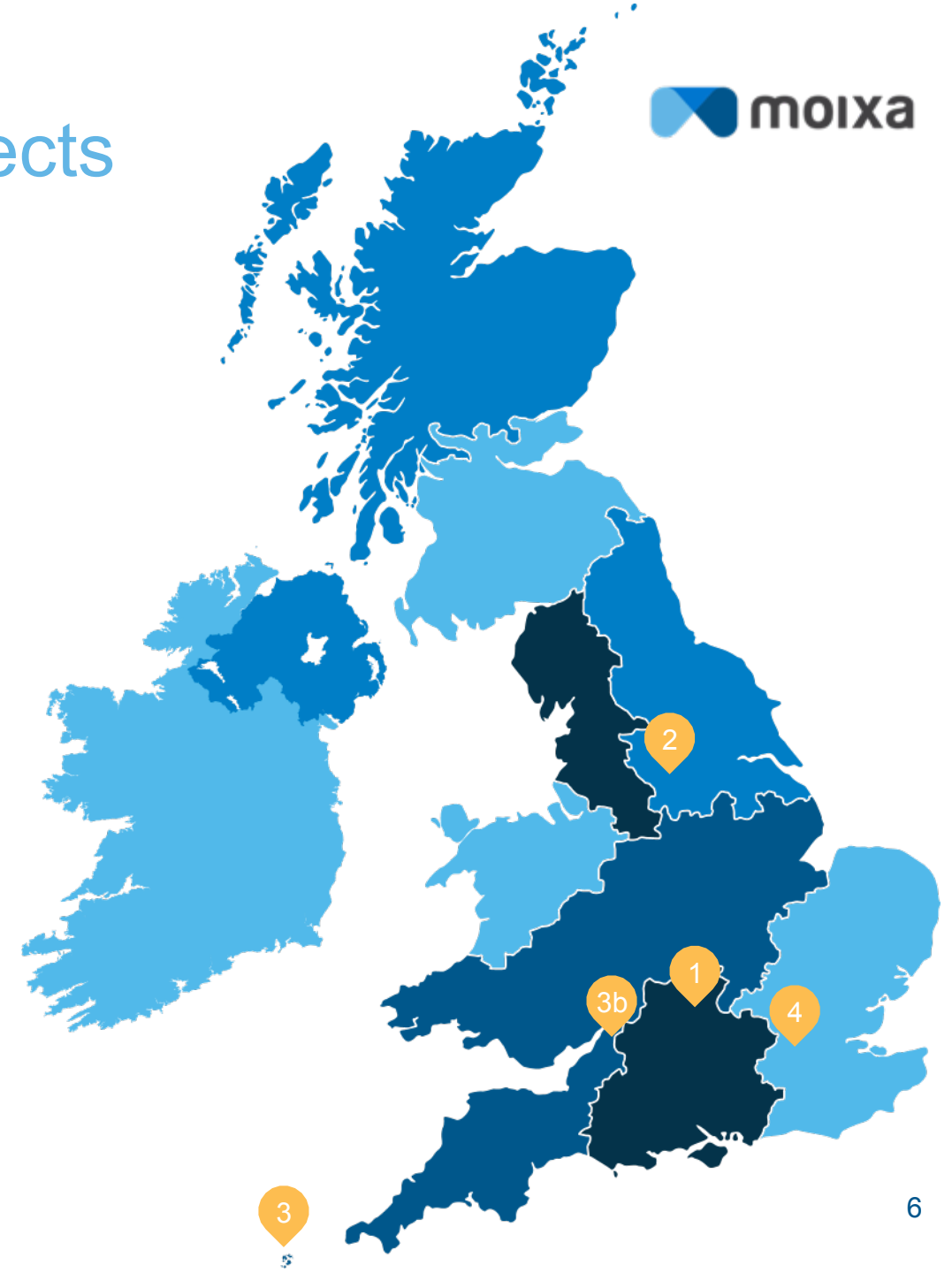
Isle of Scilly Project  
Modelling analysis of V2G opportunities  
3b: SoLa Bristol Project



UK's first domestic DSO flexibility project

From proving the technology works...

... to testing new business models





# GridShare integrated to optimise ITOCHU SmartStar batteries and ToU tariff (TEPCO Trende)



## Increased sales from:

- ✓ Gridshare Customer Portal
- ✓ AI Optimisation of charging
- ✓ Linguistic localisation + Alexa
- ✓ Increased efficiency in customer life-cycle management
- ✓ ToU tariff access

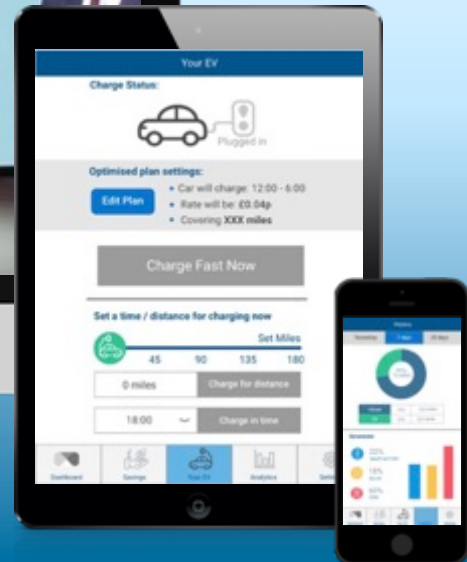
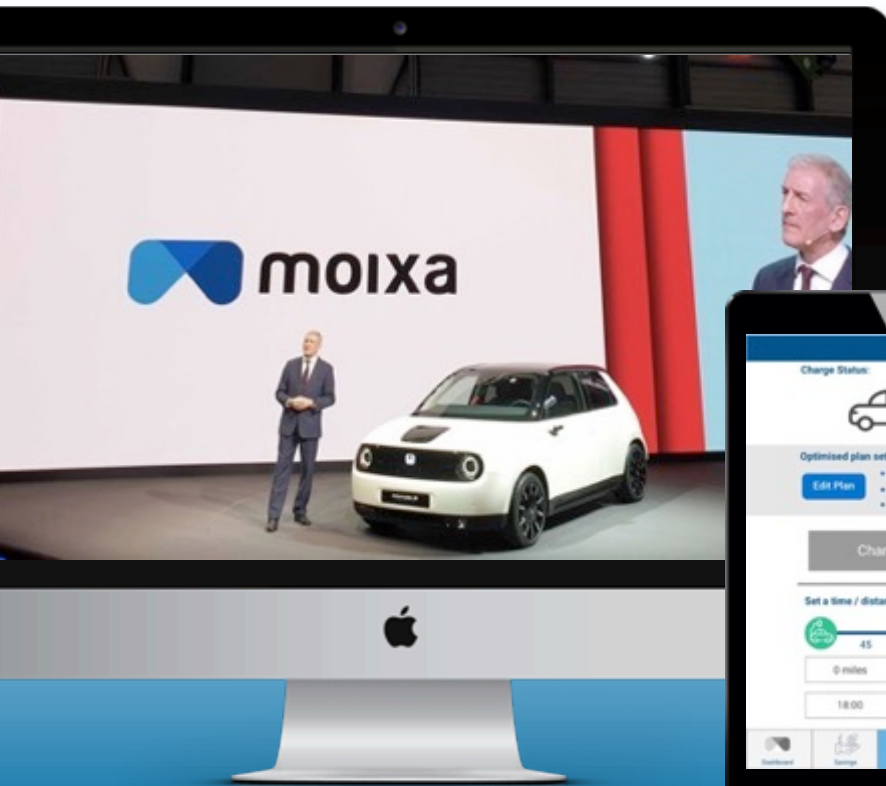






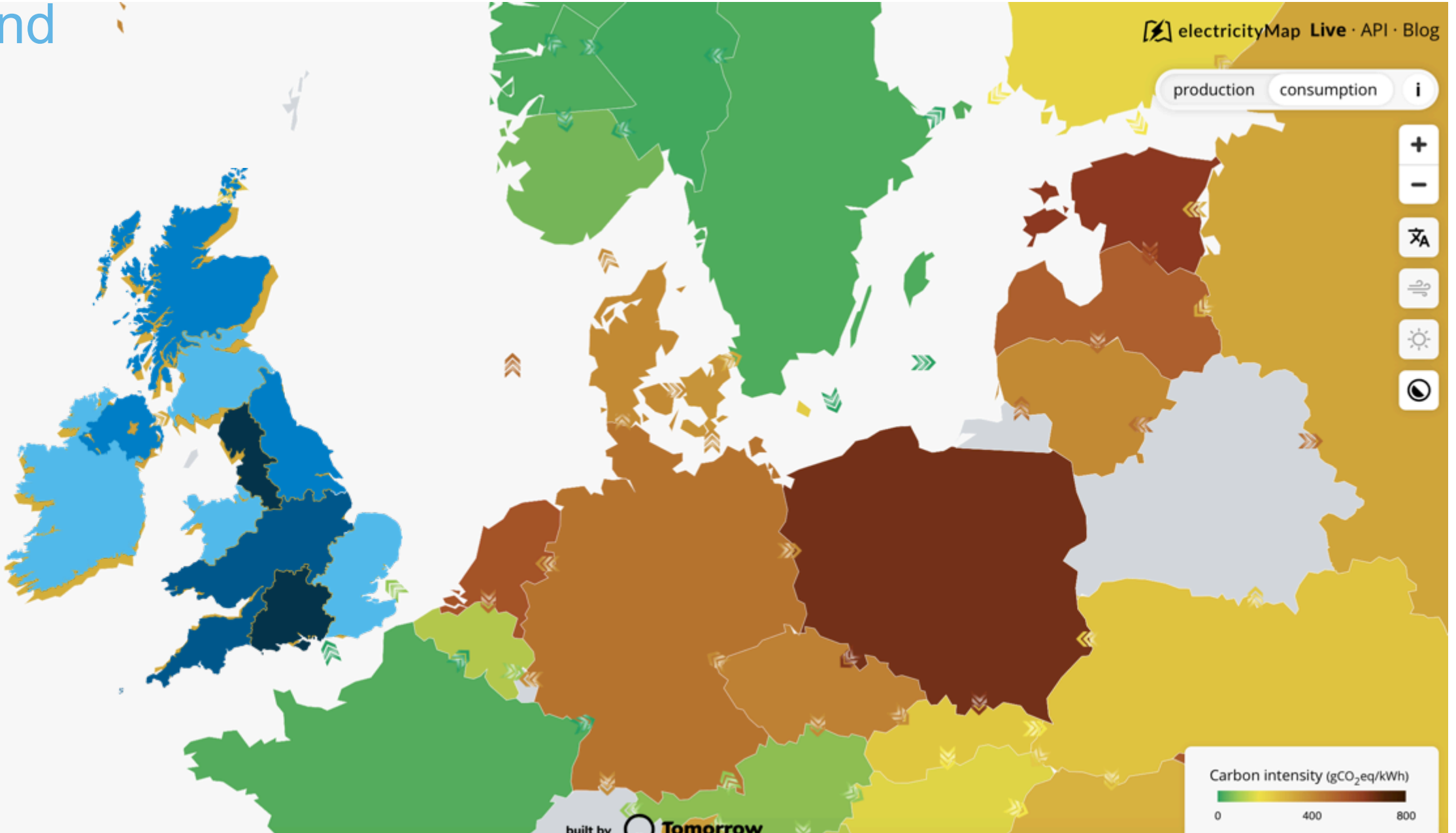
# GridShare integrating to support Honda's EU Energy Business. EV aggregation and V2G services

- ✓ Geneva 2019 Motor Show
- ✓ EV charger integration
- ✓ V2G Pilots and services
- ✓ Smart Charging and optimization

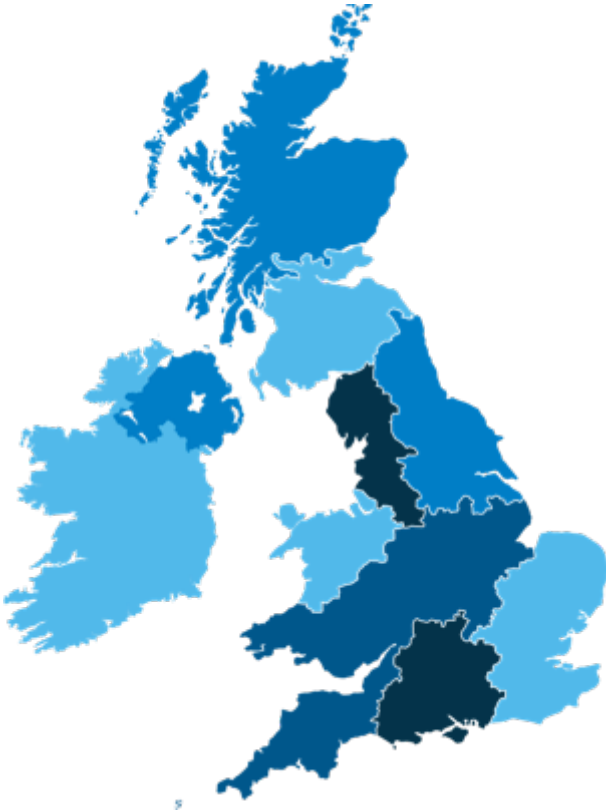




# Leveraging UK experience as Smart Energy Island



# Leveraging UK experience as Smart Energy Island



# Leveraging UK experience as Smart Energy Island

## UK Energy Districts



## Japan





# Leveraging UK experience as Smart Energy Island



## UK Energy Districts



## Japan



*Aggregate batteries as VPP / “Virtual Interconnectors”*

GridShare

~7000 homes

~70 MWh

**Energy Usage Summary**

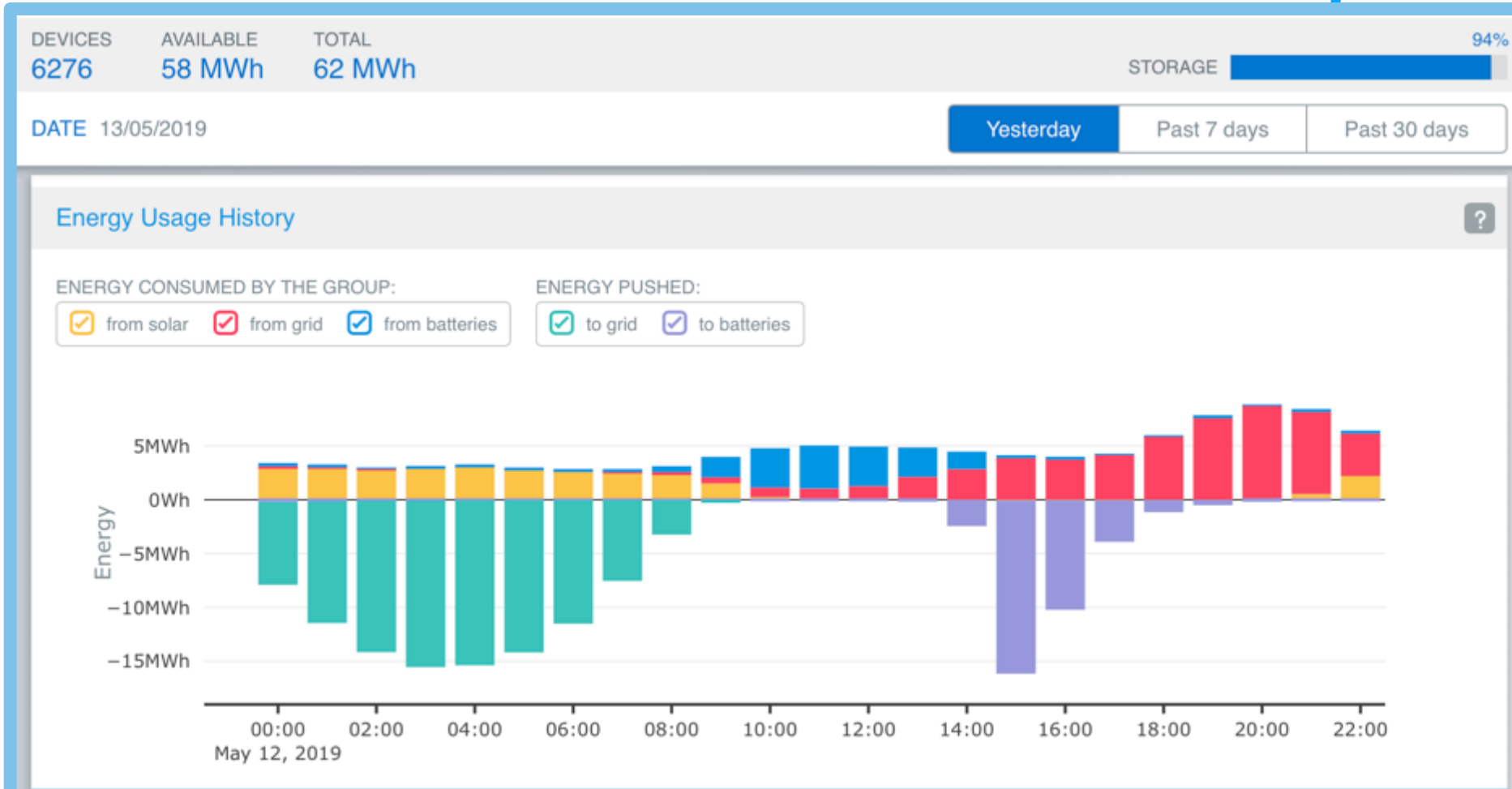
Source	Percentage	Energy (MWh)
BATTERIES	17%	24 MWh
SOLAR	22%	31 MWh
GRID	61%	86 MWh

**Energy Usage History**

Energy Consumed by the Group: from solar, from grid, from batteries

Energy Pushed: to grid, to batteries

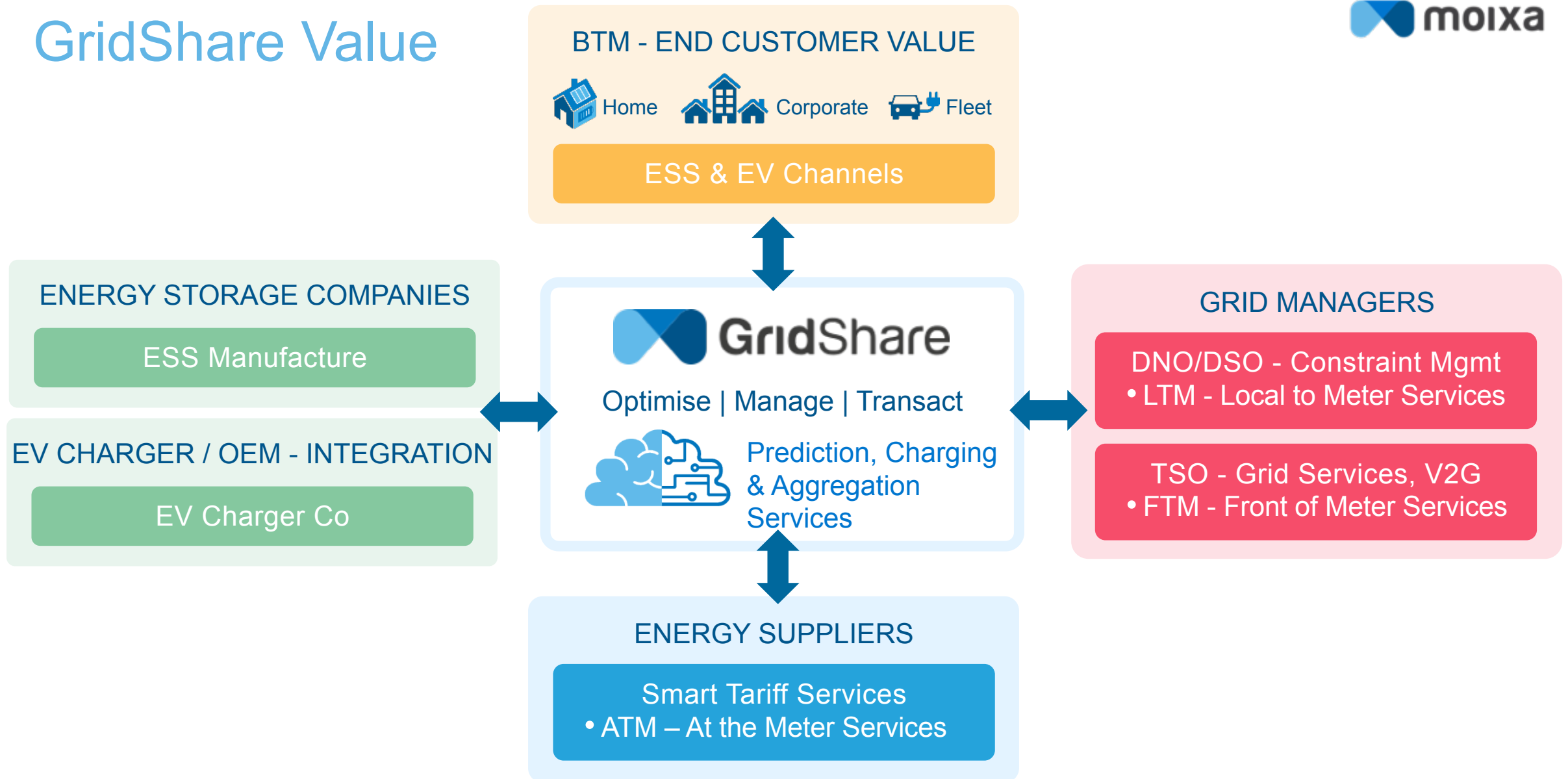
# Leveraging UK experience as Smart Energy Island



~7000 homes

~70 MWh

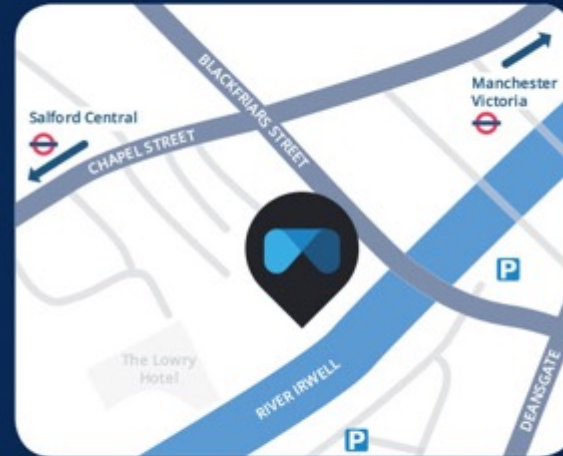
# GridShare Value







**London Office:**  
Moixa Energy Holdings Ltd.  
29-31 Saffron Hill  
London  
EC1N 8SW, UK



**Manchester Office:**  
Moixa @ The Edge  
Clowes Street,  
Manchester  
M3 5NA, UK



**Email:** [info@moixa.com](mailto:info@moixa.com) **Web:** [www.moixa.com](http://www.moixa.com) **Phone:** 0207 734 1511

© Moixa Energy Holdings Ltd 2017

