

Moixa Technology

Maslow: energy storage system GridShare™: VPP cloud platform

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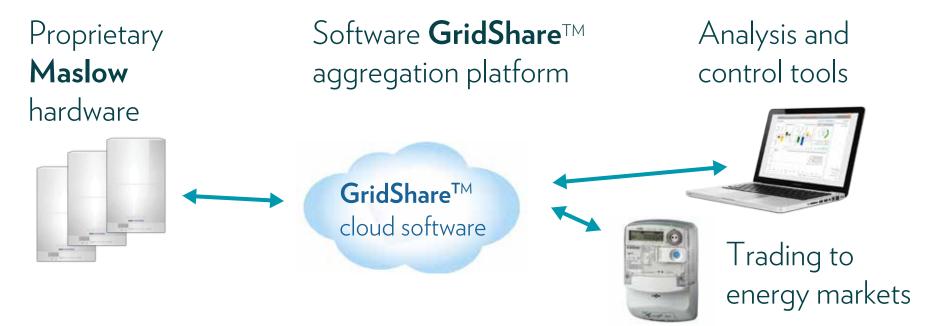
www.moixatechnology.com www.meetmaslow.com 7th Smart Grids & Cleanpower 2016 Cambridge 27-28 June

www.cir-strategy.com/events





Moixa hardware and aggregation platform



The Moixa Technology offering:

- The **Maslow** proprietary hardware, all-in-one energy-storage solution
- The **GridShare**™ SaaS platform that monitors and controls distributed energy resources in the field, and aggregates them into groups to trade on to the energy market.











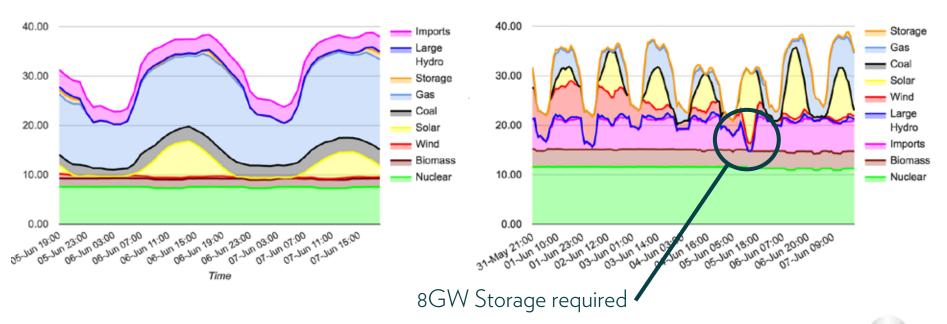




Solar UK: current and scenarios

Rapidly increasing distributed solar is already having a significant effect on the grid in the UK, and gov forecasts show the need for significant storage by 2025, the UK is ahead of this plan

UK today





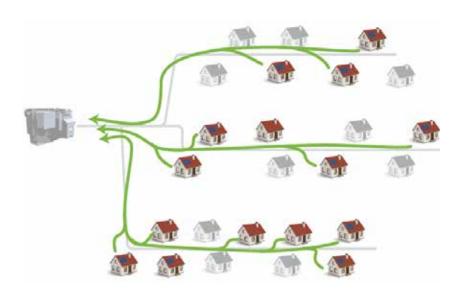




Advantages of distributed storage

Currently most energy storage on the grid is large-scale - ie pumped hydro - but it will be hard to get to the 3x current capacity that is forecast to be needed using traditional technologies.





Moixa proposes a disruptive solution: small-scale storage in millions of homes, controlled in aggregate to provide a grid-scale solution.

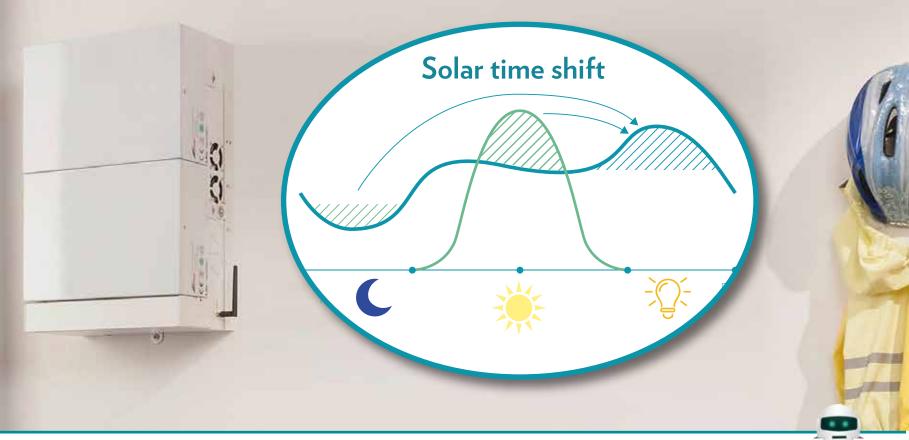






Moixa Maslow energy storage

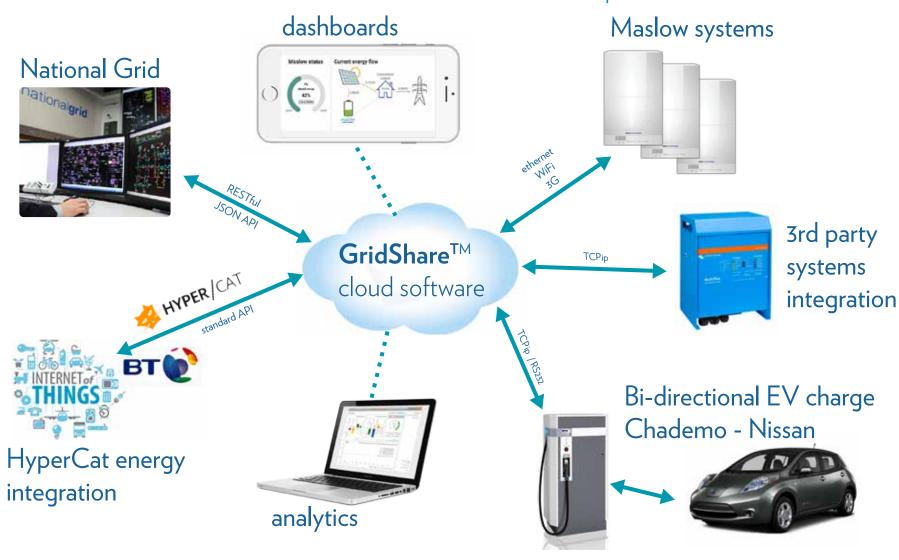
Compact all-in-one smart system that increases solar payback and delivers services revenue







GridShare™ VPP cloud platform

























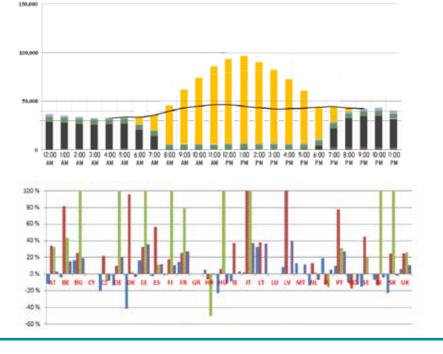




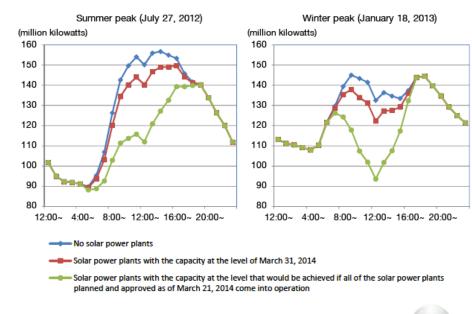
Solar peak: changing business models

Increasing penetration of renewables on electricity grids is forcing changes in how the grid is balanced, and the financial viability of some thermal generation.

Germany



Japan

















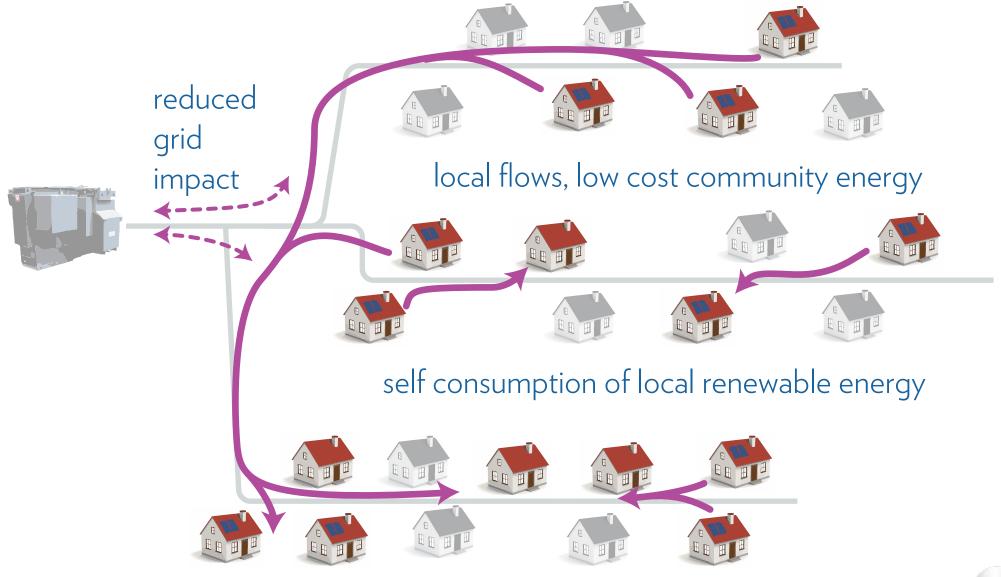








Masiow. local energy flows, low cost energy.

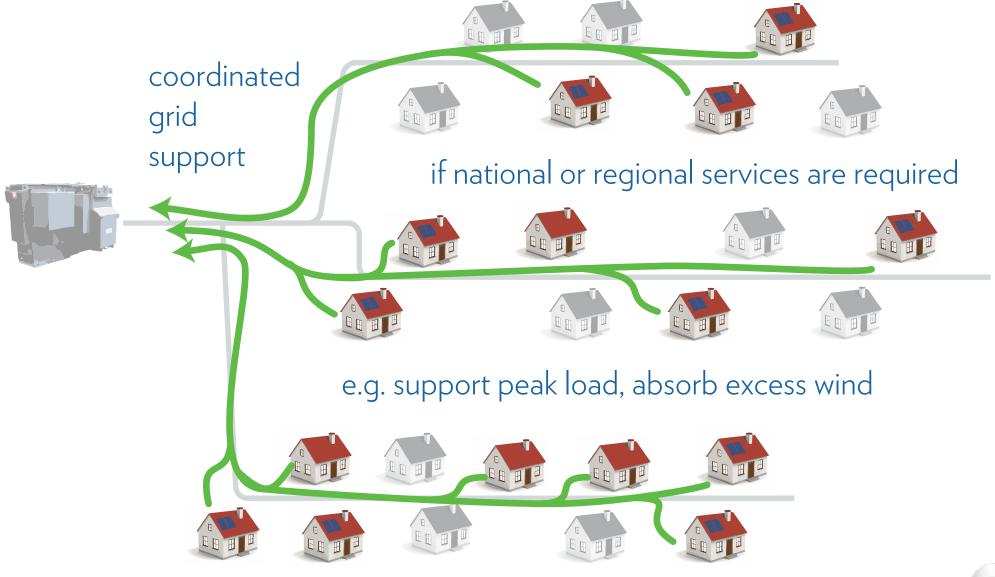








Maslow. coordinated action to support grid









Moixa Technology - project partners

DECC
Department of Energy & Climate Change







ERIC











EFES











E Local





Sodium





IOS









ScottishPower energy storage pilot



BillSaveUK
install partner
47 **Maslows**in SP customer
homes

All systems reporting and controlled through **GridShare**TM

Scottish Power customer portal interfaces with **GridShare** API







My maslow

Groups

My Savings

Devices

Status

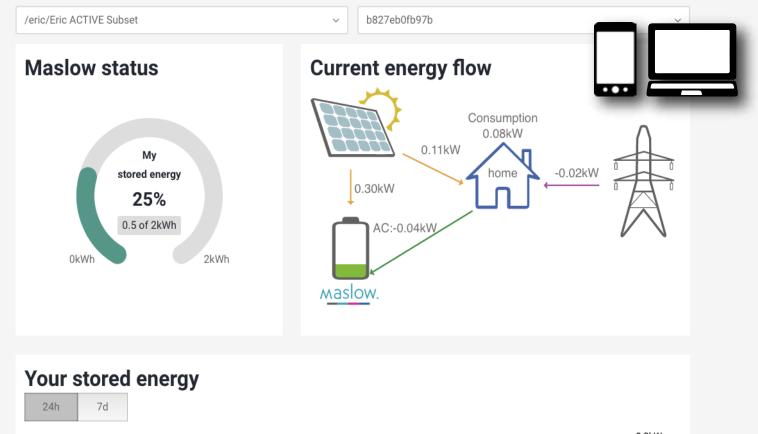
Control

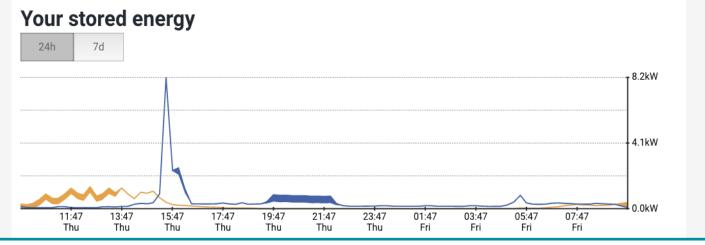
Dispatch

Report

Alerts

Admin





















My maslow

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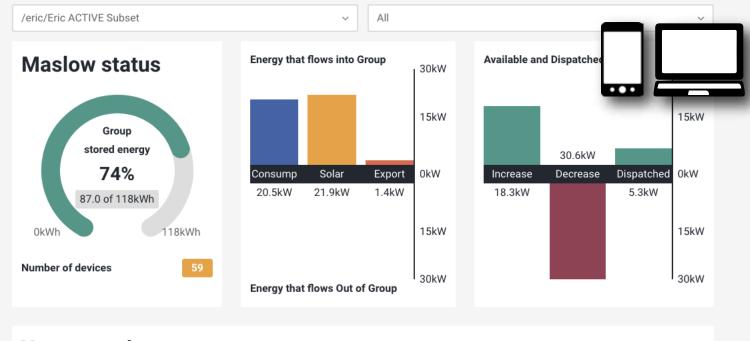
Control

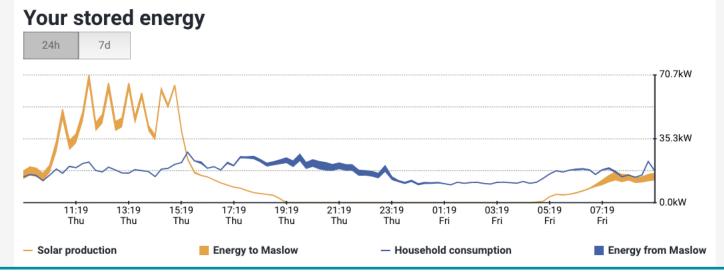
Dispatch

Report

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Admin



















User Dashboard: My Savings





/Maslow Units/b827ebe

My maslow

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Dispatch

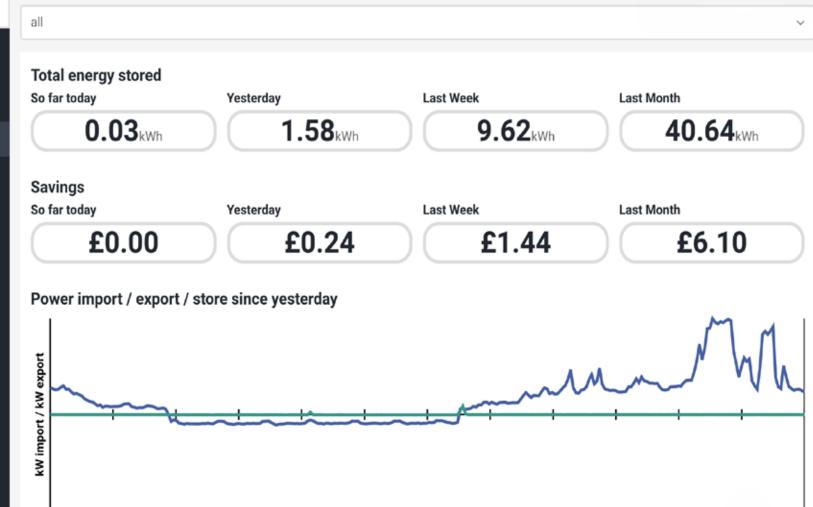
Report

Performance Report

Alerts

Admin

Logout









Groups

My Savings

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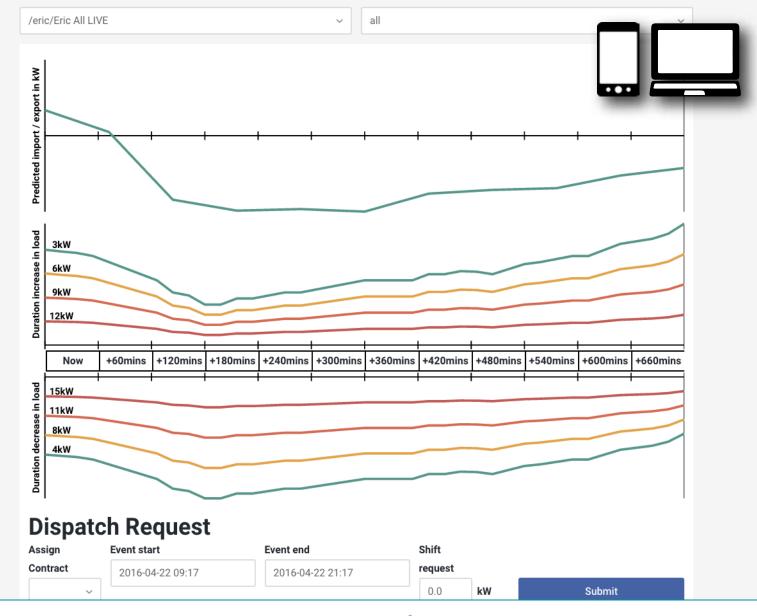
Control

Dispatch

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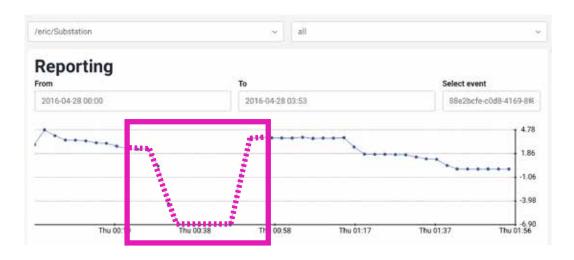


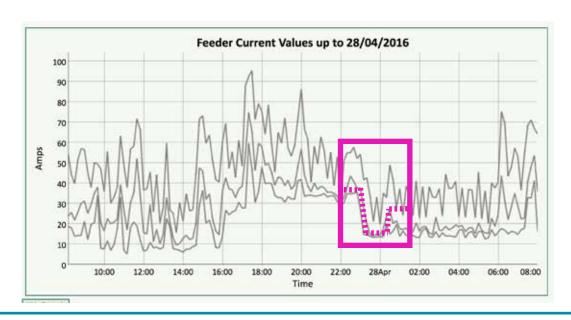






Project Eric dispatch: Substation monitoring





Testing local grid effects:

28th April test dispatch of a small subset of 20 houses, 1hr dispatch event.

This is visible on the sub-station monitoring installed by SSE PD for the project.





Proprietary and patented technology

Patents granted on the **Maslow** technology

Major tech companies reference Moixa's patents in their IP filing.



First patent filed 2008, and this date can be used for spun out derivatives & continuations based on this to cover specific new innovations





The world just changedTM



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