

CCS | Webinar

Maximising your savings- Battery Storage



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What we'll cover today

- ✓ What is Battery Storage
- ✓ How do they work
- ✓ Benefits for my organisation
- ✓ Funding Options
- ✓ Other Energy Solutions available
- ✓ Questions



What is Battery Storage

- Battery storage involves storing electricity so that it can be used later
 - either at peak times or when supply is low
- It helps balance the intermittency of renewables as we move towards a low carbon future
- It plays a key part in Demand Side Response (DSR), where users get paid to shift their usage during peak times



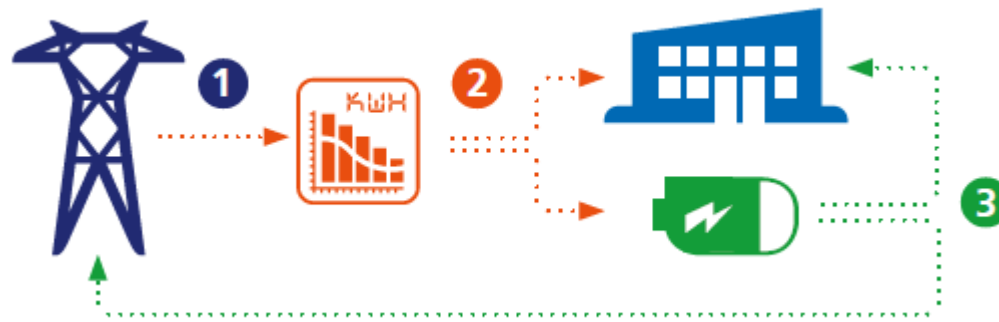
What are the Benefits?

- ✓ **Create New Revenue Streams** – by taking part in flexibility and wholesale markets using our Powershift platform
- ✓ **Load Shift – avoid peak time energy costs** – charge during cheap periods/discharge
- ✓ **Optimise onsite generation** – Make the most of your onsite generation
- ✓ **Secure Your Supply** – protect against supply disruption/manage supply quality
- ✓ **Benefit from our partnerships with leading battery suppliers** – lifetime warranties on operations and maintenance
- ✓ **Remotely controlled** – using one of our DSR schemes, you can install, sit back, and enjoy the financial rewards



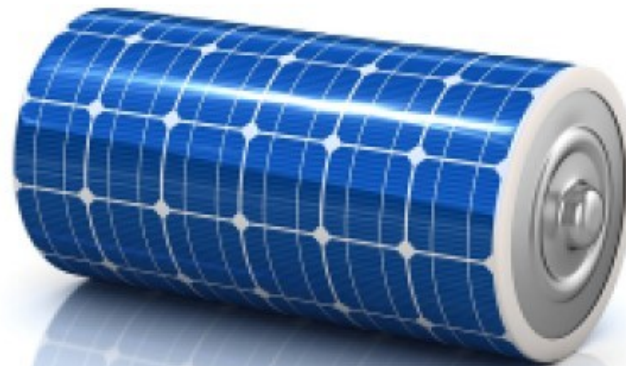
So how does it work?

- 1** Supply comes in from either National Grid, or your onsite generation to your meter
- 2** Your metered supply then feed your demand and your Battery Storage
- 3** Battery Storage is optimised to maximise load shifting and participation in external storage markets



OK, how would my organisation use one?

- Use more when cheap, and less when prices are high
- Shift demand from high to low periods
- Build into your peak time strategy
- Optimise your existing onsite generation





PowerShift

PowerShift brings, optimisation, trading, settlement and billing all into one place:

- ✓ generate new revenue streams through your
- ✓ onsite assets through a variety of schemes
- ✓ reduce your energy costs through peak
- ✓ time avoidance
- ✓ trade your energy through access to significantly
- ✓ more markets than traditional aggregators



How suitable are your assets for the PowerShift suite of products?

PowerShift Products	Load response	Engine (Gas/Diesel)	Battery
Capacity Market	✓	✓	✓
Static FFR	✓	✓	✓
Dynamic FFR	✓	✓	✓
STOR	✓	✓	✓
Supply Optimisation	✓	✓	✓
Triad Dispatch Guarantee	✓	✓	✓
DSO Services	✓	✓	✓

- ✓ Technology well suited to product requirements
- ✓ Suitability dependent on technology circumstances
- ✓ Technology less suited to product requirements



Funding Options

- £500m energy efficiency fund to help public sector organisations invest in low carbon measures such as:
 - battery storage,
 - electric vehicle charging infrastructure,
 - and small-scale renewable energy generation. (MEEF)



Breaking Down Energy Management



Additional Energy Solutions

- Picture





PowerReport

A remote analysis of your business' energy efficiency performance.

Using sophisticated building analytics software and your consumption data we'll provide insight on your energy profile, savings recommendations and estimated cost savings.

1

Contact EDF Energy's dedicated team to arrange your PowerReport
powerteam@edfenergy.com
call 0845 6000 470



2



We'll analyse your energy usage based on your energy consumption data, crossed with external data about the site such as weather or building type.
It's non-intrusive with no sensors or site visit needed.
If you're already an EDF Energy customer, there's little you need to do to find out where you could be more efficient.



3



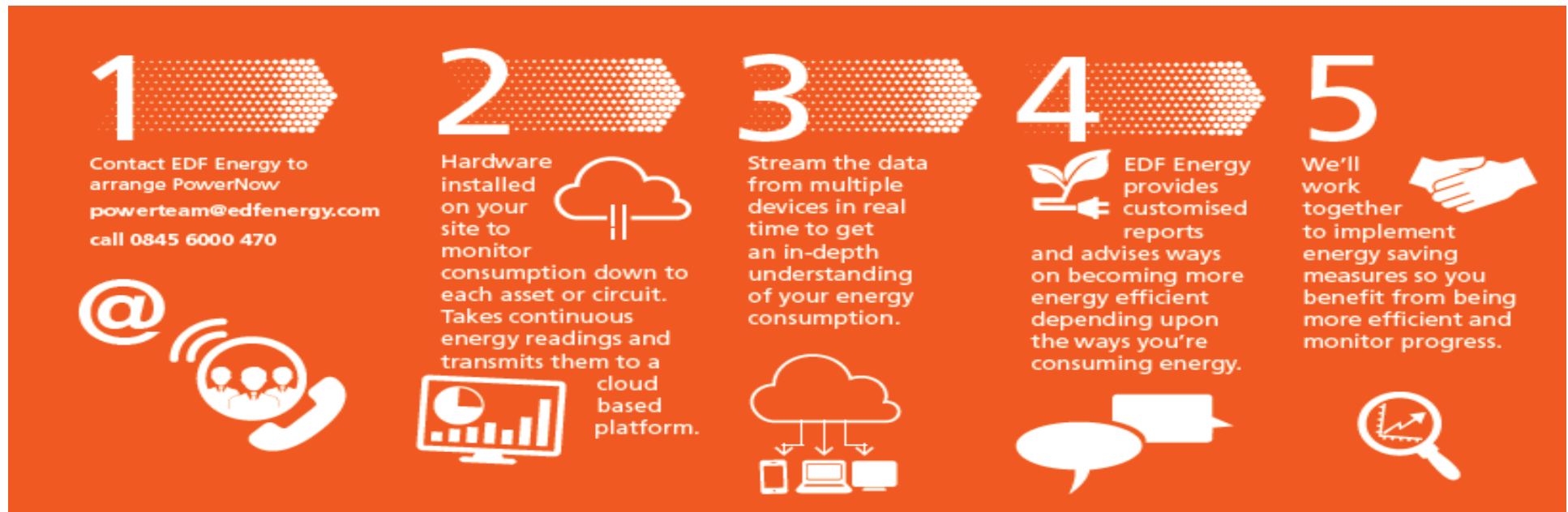
We share the findings with you, including advice on how to become more energy efficient.



PowerNow

A live energy monitoring solution, giving you visibility of your consumption at an asset level.

- Easy to install hardware
- Online dashboard
- Improve awareness of your energy consumption
- Drive energy savings opportunity from behaviour change
- Itemised energy usage and spend,
- Complete transparency on where and when energy is being used.



How to get in touch



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Call 0800 068 7171

or contact your Account Manager



Don't get left behind





Energy Managers Events 2018

London
27 Sept

- Understand what makes up your energy prices, and how changes in the market will affect your budget
- Discuss with our experts what's going on in the energy industry and what we think you should be planning for
- Work through practical examples in table exercises so you can walk away with all the tools you need to Manage, Understand and Save your energy

Sheffield
4 October



www.edfenergy.com/CCS

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Questions?



THANK YOU

