

BE-FASTER:

Building Energy Flexibility at Scale for Trading and Earning of Revenues

Eureka ITEA 4 Cluster

Commercial Dissemination to date, April 2026

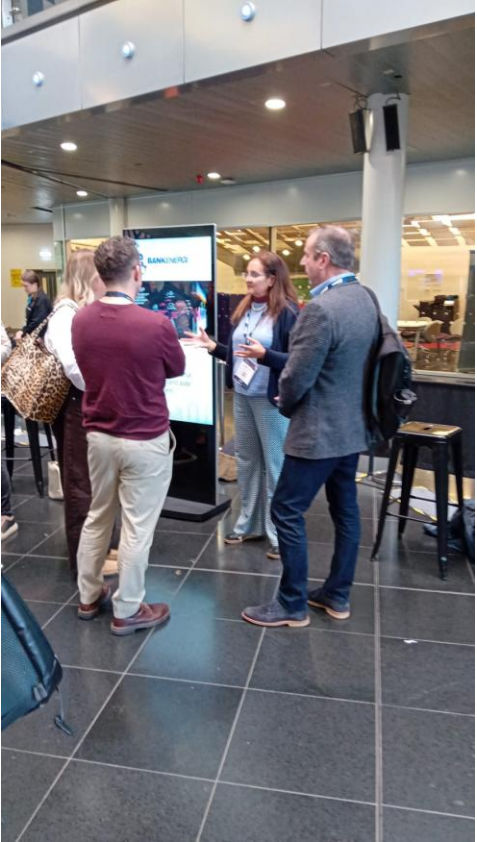


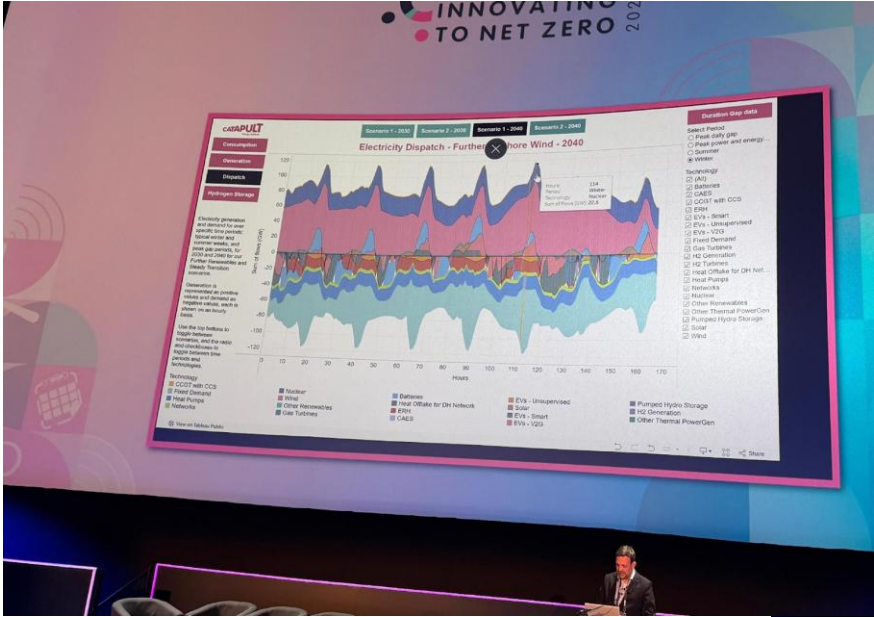
Attendees that expressed an interest that will be contacted are:

1. Jack Wakefield – Social Investment Business (contacted and to arrange a meeting)
2. Rebecca Rosling – EDF have customers are asking for the flexibility and do not have a platform and therefore to partner. SIF Round 6 Funding? Aggregate with other energy supplier on C&I, (possibly EVs)
3. Phil Harper – Crown Commercial Services – want to be able to offer Flex to their customers and were interested in the whole idea.
4. Phil Warren – ETS (Bureau services), consultancy – channel partner. Ready to go, will meeting with NDAs in place. BNP Paribas is one of their clients. Did a demo, 10th March 2026 “ think we are onto a winner”. He is allocating budget internally. Couple of clients mindful for, one in which they are putting in a metering strategy. Have Trend on site, multi-site.
5. Sarah Favre – Heliotech – battery. She liked the end-to-end market piece. The challenge is the HVAC integration.
6. Scott Nickolls – ‘live data’ – 15 mins data. Potential investor in a year’s time. Channel Partner as well. They trade energy, and he was very happy with the fact we trade flexibility since it was clear demarcations – and the fact that we look at energy price bands in order not to affect customers.
7. Juraj Labant – Desnz, looking at capacity markets.

Innovating to Net Zero event, 25th Feb, Millenium Point, Birmingham run by ESC

WP1/ WP7 – Exhibition





Data centres could drive up to 5% of electricity demand by 2040, while also offering flexibility opportunities

Data centres are set to reach around 5% of UK electricity demand by 2040 (27TWh in central case), although deployment rates will be very uncertain. Crucially, they can also support system flexibility through:

- Load-shifting:** moving non-urgent computing to low-demand periods.
- On-site storage or generation:** using batteries or backup systems to reduce peaks.
- Cooling flexibility:** up to 30% of demand is cooling, this can be shifted using thermal storage, potentially linked to district heat networks.

Types of data centre demand

AI LLM: Data centres which develop, test and tune foundational Large Language Models. These require high compute resources and are energy intensive. Flexibility most likely to come from facility-led demands (e.g. cooling) not IT load.

CloudHypers: These facilities typically support multiple services from a single owner/operator. Single-operator control makes it easier to shift workloads.

Colocation data centres (Colo): Facilities with multiple clients with their own servers, but power, cooling and physical security infrastructure is shared. Harder to shift IT demand with multiple clients, but flexibility from facility-led demands may be possible.

Hyperscalers: These facilities are built for massive compute and storage scalability, typically using 100k+ standardised servers with high automation, machine learning-driven operations, and rapid service provisioning. The large scale and high automation make it easier to manage power and shift workloads while keeping services running.

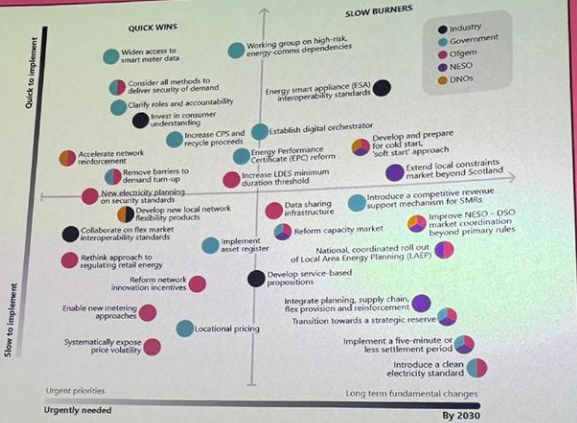
Data centre annual consumption (TWh) 2040

Category	Consumption (TWh)
CloudHypers	~10
Enterprise	~10
AI LLM	~5
Colo	~5

Data centre consumption compared to total electricity consumption

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To unlock flexibility, we need coordinated policy, regulatory and industry action



Innovating to Net Zero 2025 Exhibition and Conference

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Creating a flexible energy system is essential

What is energy system flexibility?

Balancing energy demand and supply across all time and spatial scales, keeping within physical constraints of the system.

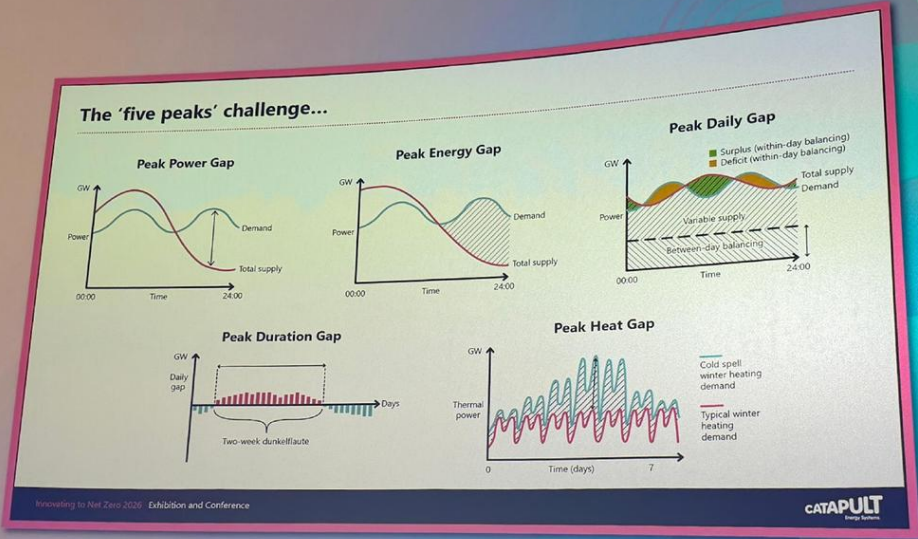
Why is it important?

- System security
- Keeping costs down
- Creating great low carbon solutions for customers
- Supporting growth

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Sandbox event – 27th April 2026

UKRI Market Access Sandpit (actions in this invite) - Meeting - Calendar

Accepted | Busy | Tracking

UKRI Market Access Sandpit (actions in this invite) Sensitivity

You; Grace Belshaw - UKRI; Jenny Hill - UKRI; Ankit Patel; +66 others Tracking

Mon 27/04/2026 09:00 - 17:30

[MARKUP] Sandpit - Market Acces... 777 KB
Written application guidance and ... 37 KB

2 attachments (814 KB) Save all to OneDrive Download all

80 Charlotte Street Unknown

Teams meeting

UPDATE: Please find attached a slightly updated version of the brief, with changes highlighted in green. We are looking forward to seeing you all at the event next Monday. Please do take time to familiarise yourself with the brief in advance as there is some pre-thinking to do which will enhance the event and your experience.

Dear Market Access Sandpit Participants,

Please find attached essential briefing material to read in advance of attending the event on the 27th April. It contains some pre-work so please do read well in advance.
This calendar invite may be updated with further documentation and instructions in due course.
We look forward to seeing you on the day.

Best wishes,
CESM team

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Organiser

GU Grace Belshaw - UKRI
Sent on Wednesday, 08/04/2026 at 09:04

Attendees

You responded "Accept"

Didn't respond: 69

- JU Jenny Hill - UKRI Required
- AP Ankit Patel Required
- A alex.howard@ukpowernetworks.co.uk Required
- A alex.munnery@northernpowergrid.com Required
- A a.abirjahromi@leeds.ac.uk Required
- X x.liu@qub.ac.uk Required
- A A.Abd@derby.ac.uk Required
- B bgodfrey@nationalgrid.co.uk Required
- C carmine.ventre@kcl.ac.uk Required
- C cecile.geier@edfenergy.com Required
- C chloe.fong@eonnex.com Required
- C chris.broadhurst@electron.net Required
- GC Goodhand, Chris (Northern Powergrid) Required

Invited to participate in Sandbox event with key other players – clients, other competitors

General industry news

Some key insights from Innovating to Net Zero:

- Flexibility was spoken a lot – all different technologies, but no-one addressed the elephant in the room where the biggest potential is – that is the VPP creation from the operations of non-critical assets or the use of BMS, which is what we are doing. Compared to EVs, perhaps fits in the ‘too difficult box’

- Will probably be a combination of various technologies that supports this.

- Client is confused in technology, terminology, and needs simplification.

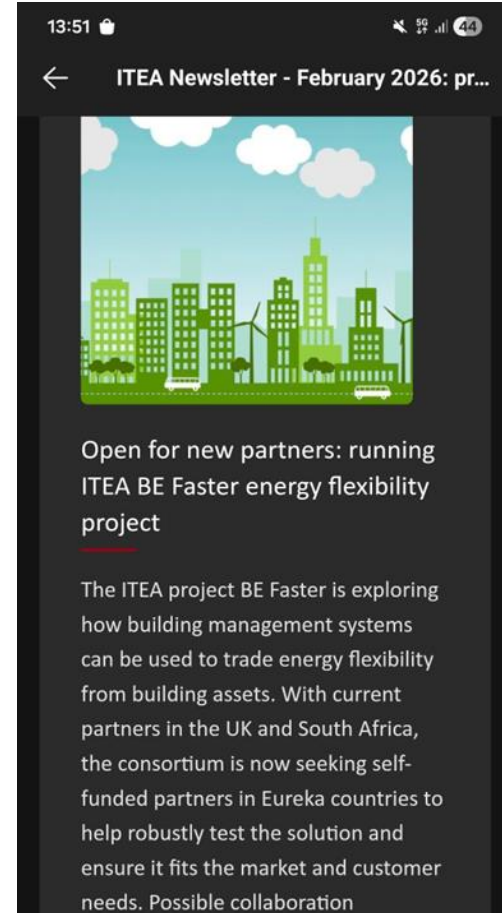
That’s what we are doing. We are thinking of naming ourselves as “FSI” – Flexibility Services Integrator to fully succinctly describe what we do.

Other news: UKPN bought out by Engie, 26th Feb 2026. UKPN allowed us to bid in late for other Laser sites in TR13, since they dropped the ball on our sites.

ITEA newsletter is out (pls see opposite).

We met with UKPN and demonstrated our platform

WP1/ WP7



We met with UKPN and demonstrated our platform on the 3rd March (Chuck Hau and Alex Howard. Feedback was:

1. The Platform was attractive and clearly set out
2. That it's quite an ambitious undertaking
3. To think about scale and computing power when trading 100s of assets per half hour in a Grid Supply point.
4. Gave us some pointers e.g. GHG moving towards half hour carbon reporting.
5. We gave them some pointers e.g. on nomination baselines - what if we report Chiller has been turned off and prove that at an asset level, and then the site turns on all local AC units, or FCUs - we said, this defeats the purpose, they said, we need to think about this more!
6. They liked the fact we are looking at the energy costs side of things and customers could get a lot out of this, and advised us that OFGEM are looking to standardise tariffs.
7. Alex sent a link to an OFGEM consultation on Flex contracts and we responded/ contributed. 17th March meeting with FSPs.
8. Alex also asked us more on user profiles and access - master access views, client access, which we will resolve towards Q8/9.
9. UKPN stated that they want to make some smart decisions on where to invest in new infrastructure (and therefore where are the flex assets). They have 300,000 assets now in LocalFlex, but mainly battery or EV that is traded on day ahead markets. We feel the elephant in the room that is not tackled, the big ticket item is the BMS, and the C&I sector where the real challenge is, but also the real value.
10. Alex commented as well re state of BMS - what happens where it is poor; we said we can use JACE or Tridium controllers directly where BMS is lacking.

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Rajvant Nijjar **PMVE** • You
Founder and CEO, BankEnergi Limited, Principal, iVEES.
1mo •

nnovating to Net Zero. Flexibility and load shifting key to the energy system future. Talk to us [BankEnergi](#).

Our clearly defined pathway

1 repost

534 impressions

Régis Cazenave • 1st
Strategic Global Leader | Board Advisor | M&A and Corporate Venture Strategist | ...
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Open for new partners: running ITEA BE Faster energy flexibility project

The **ITEA Office** project BE Faster is exploring how building management systems can be used to trade energy flexibility from building assets.

With current partners in the UK and South Africa, the consortium is now seeking self-funded partners in Eureka countries to help robustly test the solution and ensure it fits the market and customer needs.

Possible collaboration opportunities include: validating thermal building models across different climates, understanding local flexibility market requirements, and gaining in-country customer insights.

Interested? Please contact rajvant@bankenergi.com by 31 March 2026.
Rajvant Nijjar **PMVE**

Project info:
<https://lnkd.in/eD7DNN3M>

Lucia Salgado Bilge Özdemir

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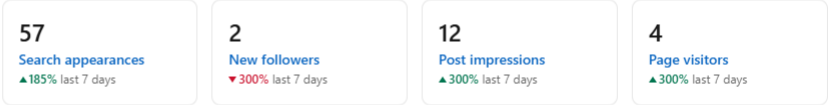
Today's actions

Pages that complete these actions regularly grow 4x faster

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Contact: Rajvant@bankenergi.com