

Localflex UKPN

Learnings from the largest flexibility market in UK

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EPEX SPOT's achievements in the flexibility market space

> localflex

EPEX SPOT's Localflex offer is designed to ease grid congestions and drive the transition to a smarter, decentralised power system.



- 1 DSO
- 85 flexibility service providers // 17000+ flexible assets // 1 400 MW of flex
- Short-term energy and long-term capacity
- Auction-based: day-ahead energy auction + (bi-)yearly reservation auction
- 129 zones



- 1 TSO and 2 DSOs with T&D coordination
- 6 flexibility service providers // 360+ MW of flex
- Short-term energy
- Continuous matching
- 4000+ orders submitted & 130+ transactions
- 23 local market areas



- 1 DSO
- Design finalised
- Short-term energy
- Auction-based: day-ahead energy auction + intraday energy auctions



- 1 TSO and 6 DSOs with T&D coordination
- ~20 flexibility service providers
- Short-term energy
- Continuous matching
- 37+ GWh activated yearly

UKPN: a DSO at the forefront of the energy flexibility challenge



Who is United Kingdom Power Networks ?



The UK's largest DNO in terms of customers, serving 8.3 million homes and businesses.



What are their mission as DSO to support energy transition ?



Committed to saving customers by utilising flexibility as an alternative to the usual approach of delivering network capacity through more infrastructure.

What is the goal of the cooperation with EPEX ?



Opening the market to a new segment of FSPs.

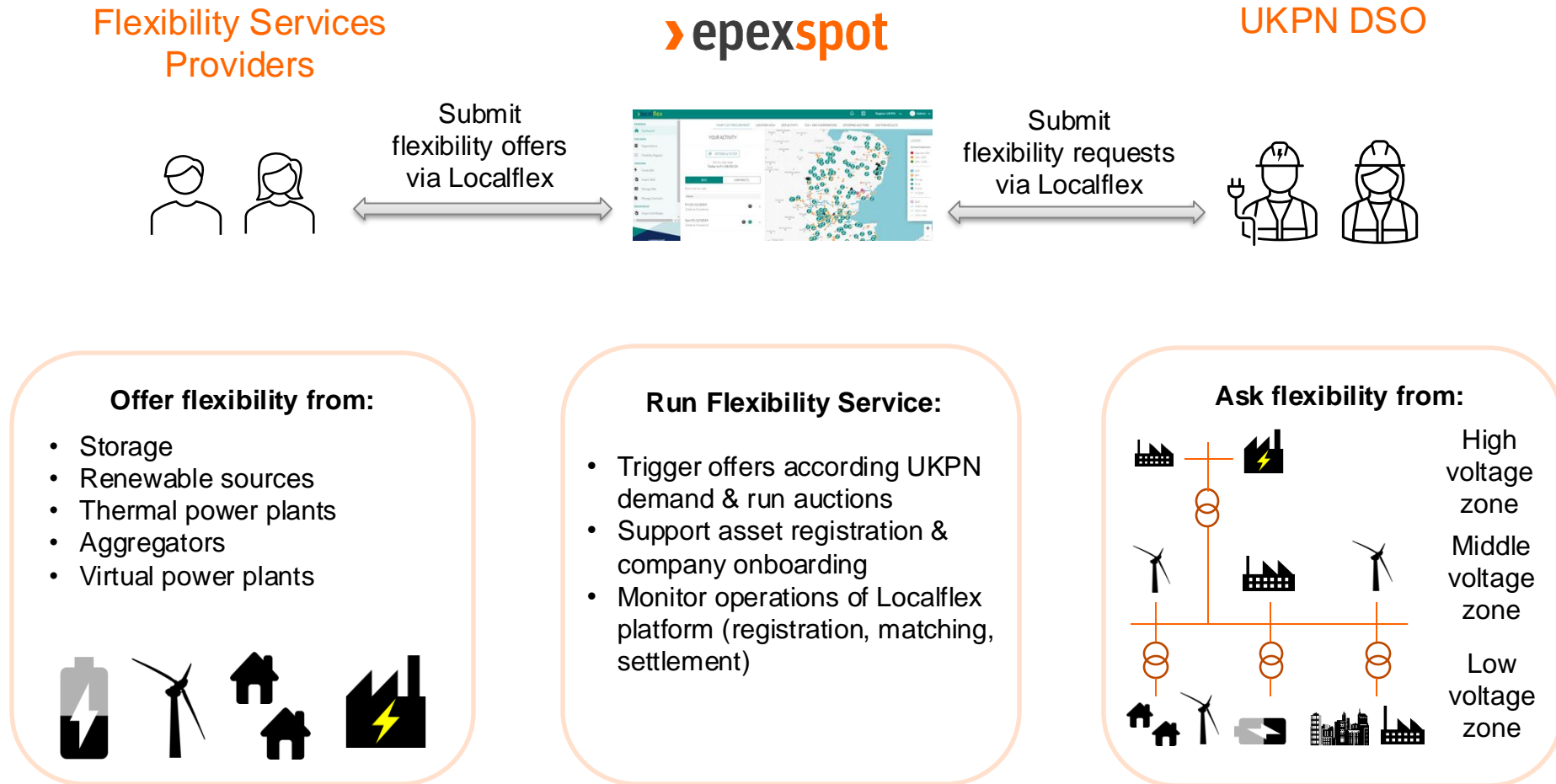


What are the stakes of this cooperation for EPEX ?

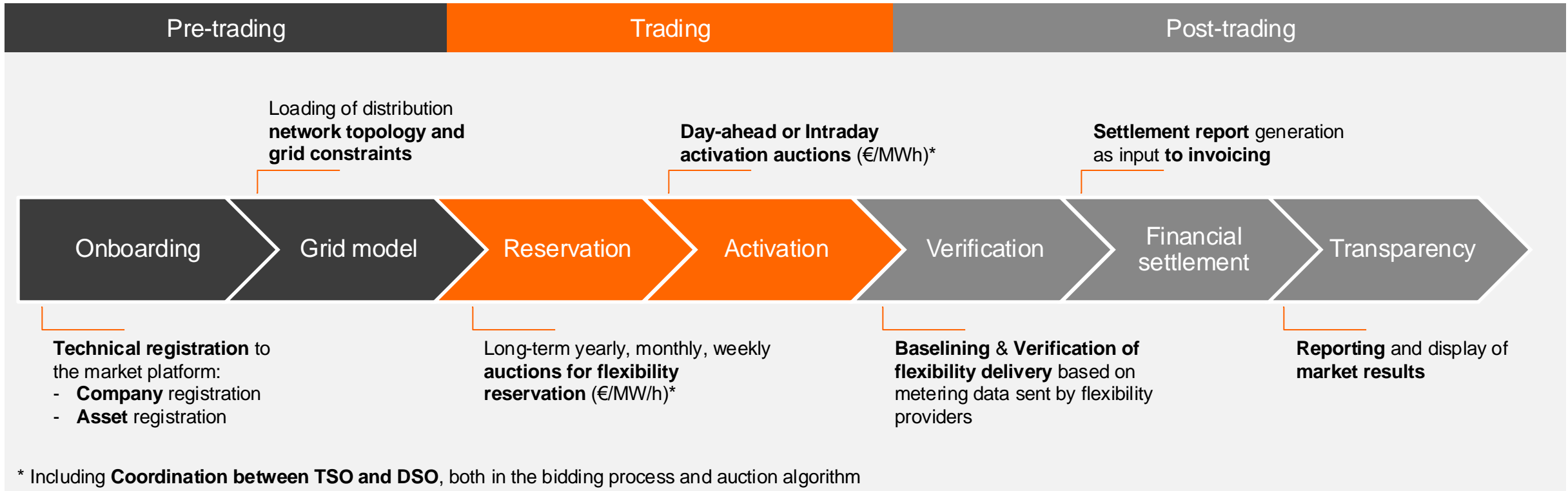


Make EPEX a pioneer for the congestion management market and a facilitator of energy transition as system provider.

How is flexibility traded on Localflex UKPN market ?






Localflex is a turnkey solution covering the full UKPN end-to-end-process



Platform accessible through a web GUI and APIs based on well-known standards to facilitate integration between SOs and FSP's environments

What are the main benefits for DSO & FSPs ?

 <p>PRE-TRADING (PREQUALIFICATION & ONBOARDING)</p>	<ul style="list-style-type: none"> ▶ <i>FSP Onboarding facilitated on DSO side for company approval and assets registration</i> ▶ <i>Automated portfolio creation based on connectivity to trading area</i> ▶ <i>Assets bulk upload available for scalable registration</i> ▶ <i>Asset & Products specifications in line with UK industry standards</i>
 <p>TRADING</p>	<ul style="list-style-type: none"> ▶ <i>Automated matching for the offered products</i> ▶ <i>API implementation available for</i> <ul style="list-style-type: none"> • <i>Orders submissions</i> • <i>Automated dispatching instructions & integrated with DSO dispatching ecosystem</i>
 <p>POST-TRADING SERVICES</p>	<ul style="list-style-type: none"> ▶ <i>Fast & automated settlement computing to increase flexibility market liquidity</i> ▶ <i>Data sharing eased for metering data & baseline submission</i> ▶ <i>Nominated or Asset-specific baseline methodology available</i>

Access multiple flex markets via a complete customer journey supported by:



One Localflex platform

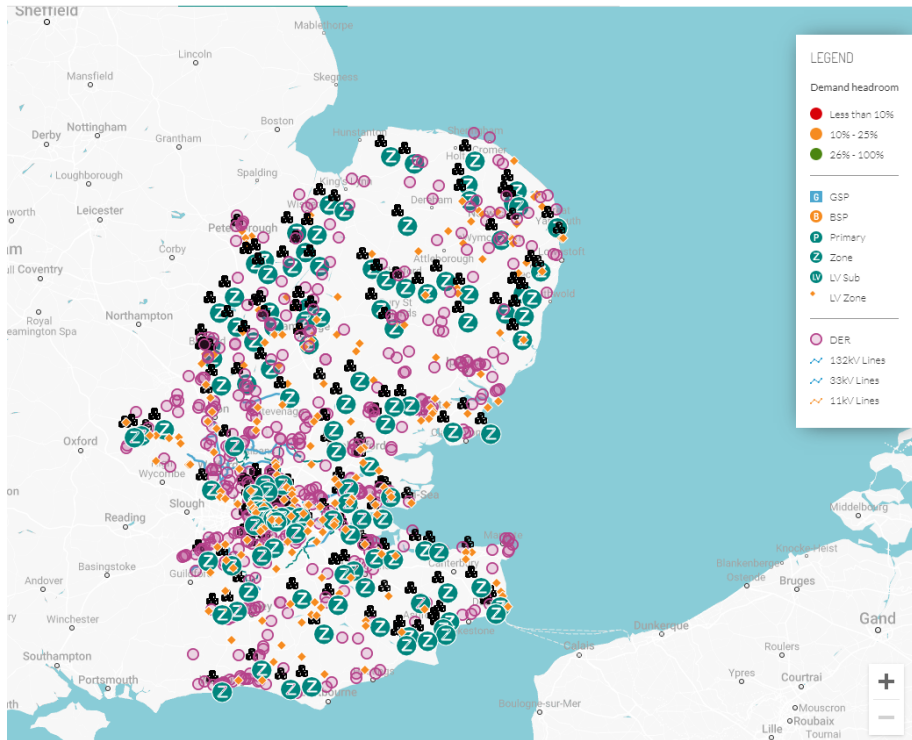
&



One Localflex Market Ops team

Localflex UKPN: a market operational since April 2024

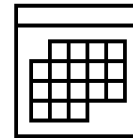
129 trading zones supporting...



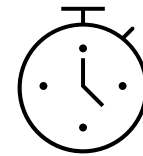
three products...



Long-Term
Reservation
& Utilisation

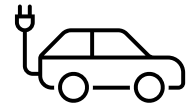
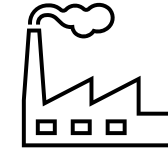


Long-Term
Utilisation

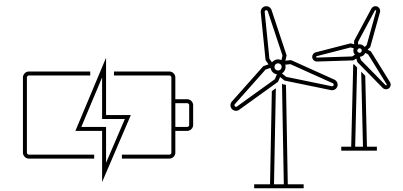


Day-Ahead Utilisation

addressing various DERs



Thermal power plants,
Consistent EV consumption



Batteries, I&C Systems,
Renewables

First results for Localflex UKPN market

35 Flexibility Service Providers already approved & active
 +17 200 registered & approved assets
 700 MW up & 690 MW down of flexible capacity approved

Day-Ahead Auction
Available since April 2024

670

MWh contracted

146

DA Auctions
 since April 2024

Long-Term Auction
Available since May 2024

12 500

MWh contracted

2

LT Auctions
 per year

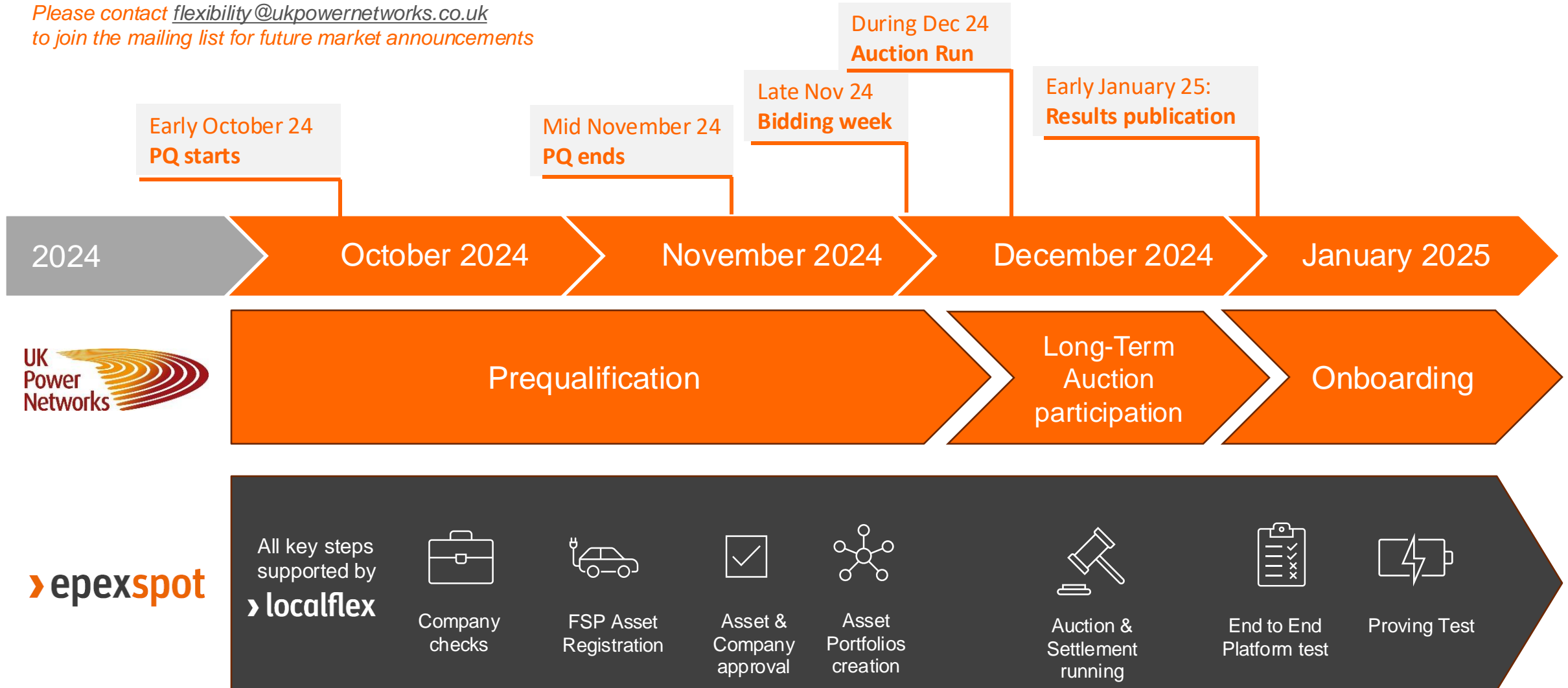
Want to know more about the participants in the last Long Term Auctions ? Please visit the [UKPN website](#)

What is the timeline for the next Long-Term Auction ?

Exact dates subject to final UKPN publication early October 2024

Please contact flexibility@ukpowernetworks.co.uk

to join the mailing list for future market announcements



Thank you