



ElectraLink Spring Webinar Series

Flexr: the energy data-sharing service

A DNO data provision and standardisation service to facilitate the energy market transition



20 May 2020



ElectraLink

Webinar objectives

- Introduce Flexr, the new data sharing service, to the market
- Engage you with our plans under the Flexr development programme
- Invite your views on Flexr through responding to our consultation



Contents



Webinar objectives



Who is ElectraLink?



What is Flexr?



Why now?



Looking to the future



What data will be shared?



Benefits of Flexr



Consultation
Submission deadline
29th May

Speakers



Marc Bartlett

Head of DSO Transformation,
ElectraLink



Gill Nowell

DSO Lead, ElectraLink

Q&A panellists



Stuart Lacey

Chief Executive Officer,
ElectraLink



Dan Hopkinson

Director of Data and
Transformation, ElectraLink



James McDonagh

Enterprise Architecture
Consultant, ElectraLink



Jim Cardwell

Head of Policy Development,
Northern Powergrid

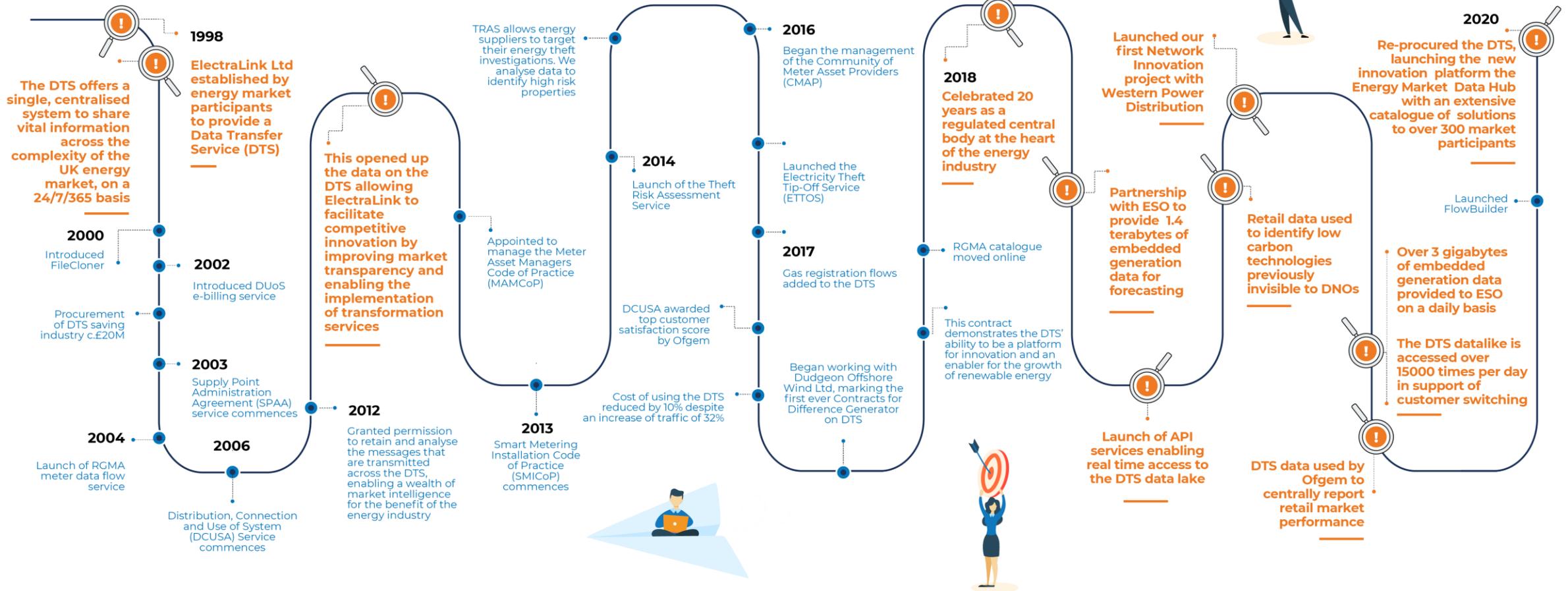


**Have you already read the Flexr
consultation document?**



Who is ElectraLink?

Who is ElectraLink?



Data requirements of the networks

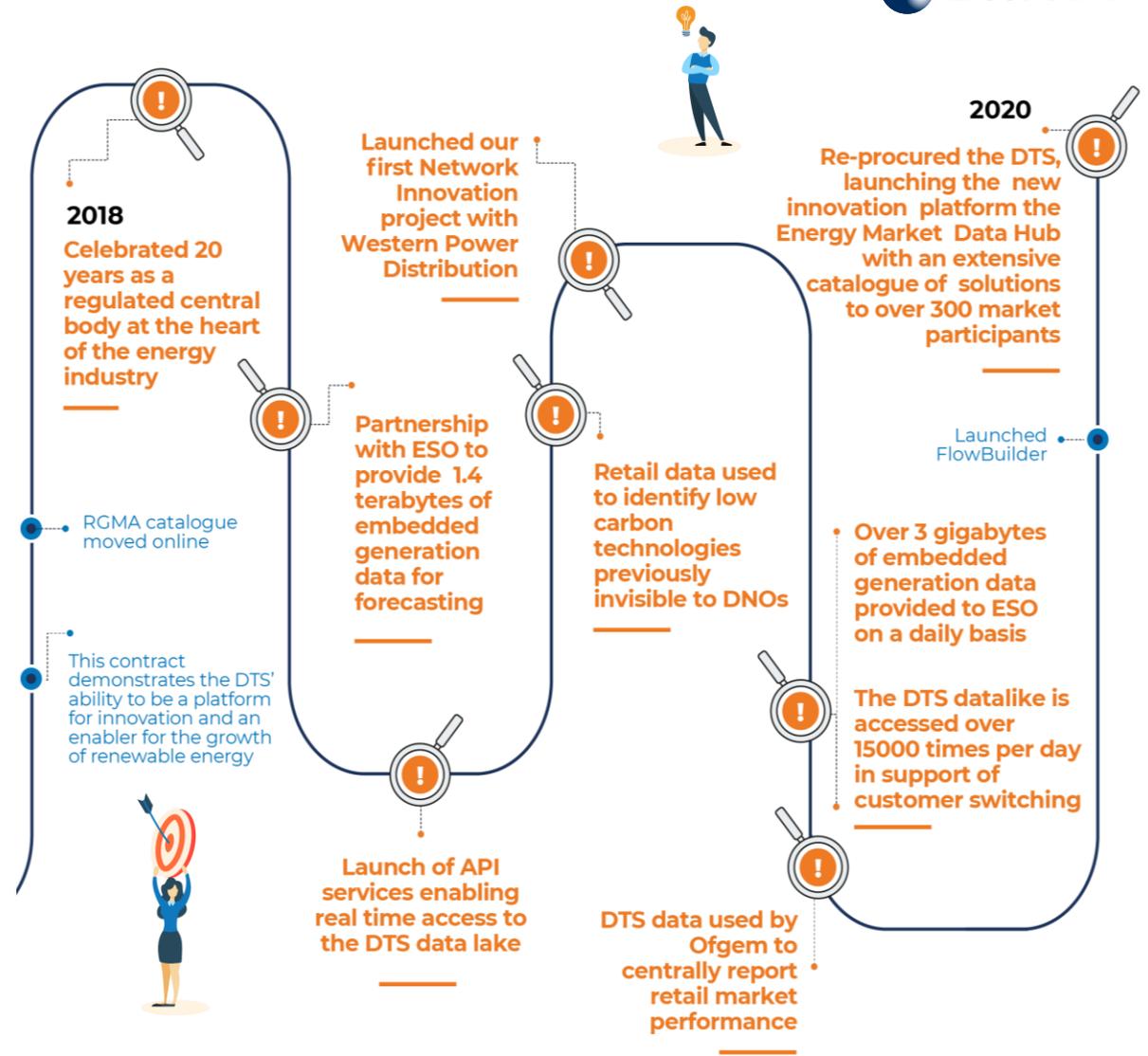


We understand:

The technologies

The data and data governance

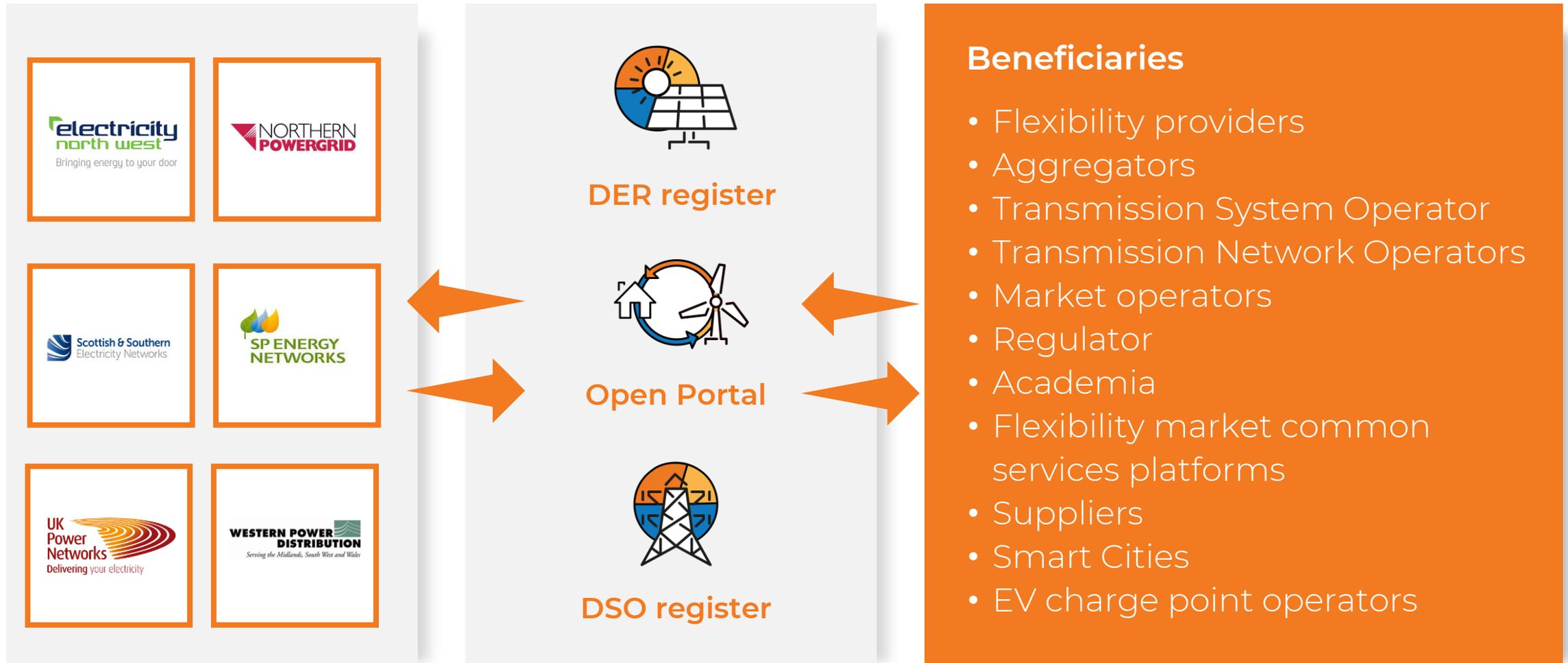
How the incumbents and the innovators work and what they will need in terms of access, cadence and security



What is Flexr?



What is Flexr, the data sharing service?





Why now?

Why now?

Regulatory drivers

- Decarbonisation
- Reduced costs
- Reliability

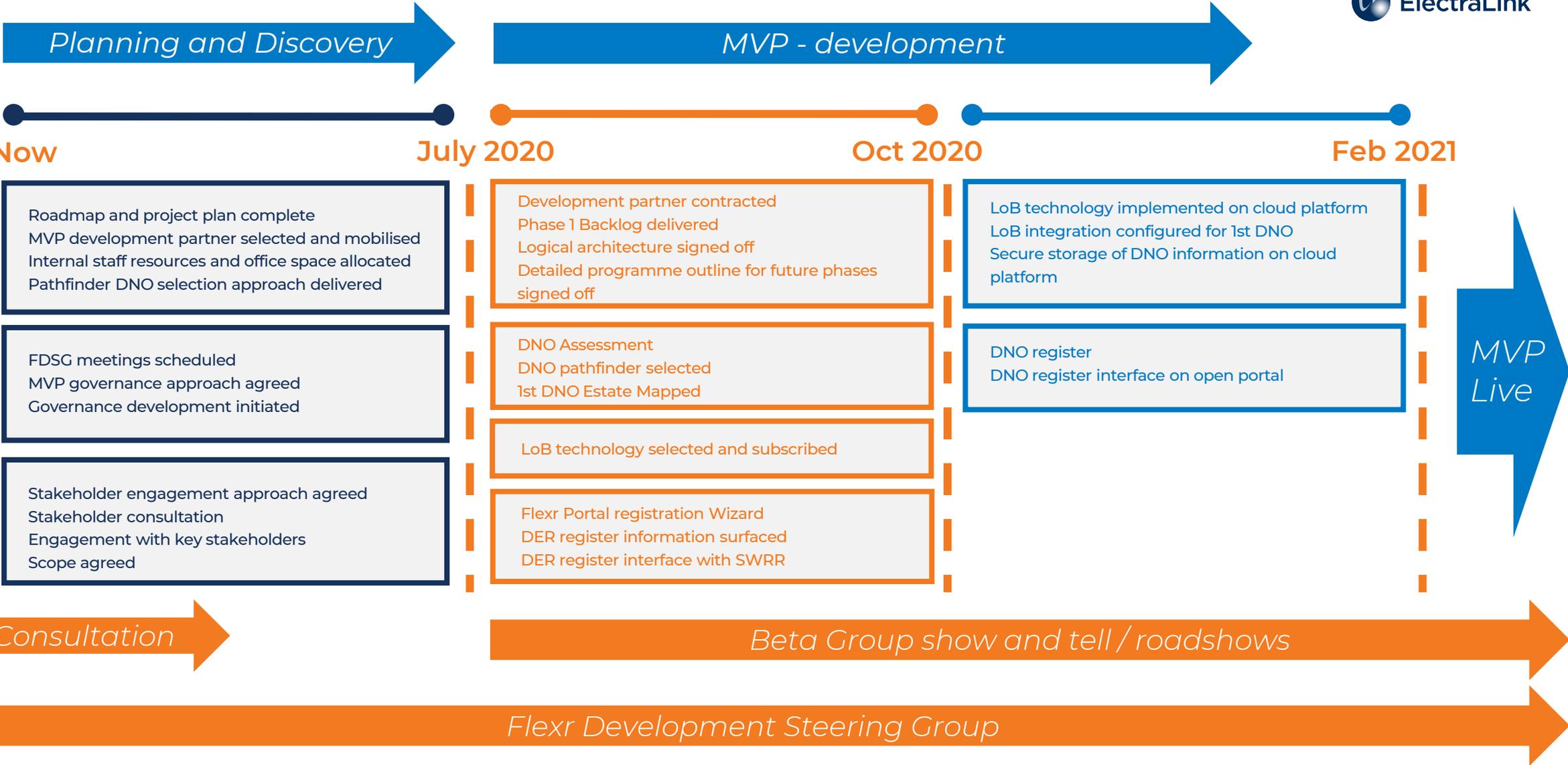
Energy Data Taskforce

- Transparent data
- Standard & consistent
- Open access

Energy system destabilisation

- Changing customer behaviour
- Flexibility markets
- Whole of system

Flexr Roadmap through to 2021





Looking to the future: Supporting the energy eco-system

Flexr will enable innovation



Coordination of market signals to avoid conflicts

Facilitation of flexibility procurement

Control & dispatch of DER / renewables



Verification of market transactions

Analytics and feedback



What data?

What data?

Planning Data

Asset Data

Operational Data

Near Real-time Data

DER DATA

Flexibility resources forecasting

DER information >1MW and <1MW (Builds on DNOs' "system wide resource register")

Dispatch and control status



What data?



Planning Data

Asset Data

Operational Data

Near Real-time Data

DNO DATA

Maximum load index	Maximum load index	Working network topology	Power flows (132kV, 33kV, 11kV and LV)
132kV/33kV load flow models	Substation asset data	Flexibility resource and network availability	Network capacity
Local headroom data	Static network topology	Network outage	DSO flexibility service providers and embedded generation requirements
Reinforcement planning data	Forecasts for network changes	Forecasts for network changes →	
Connection queues	Load forecasting	Load forecasting →	
Distribution network drawings	Generation forecasting	Generation forecasting →	
Load forecasting			

These data sets will be provided by Flexr.
Which will be most useful to you?

- A** Network planning data
- B** Network asset data
- C** Network operational data
- D** Network real-time data
- E** DER data





Benefits of Flexr

Benefits

Flexr will:

Make data more open, transparent and accessible

Standardise data and improve its consistency

Bring data to the market faster

Bring efficiencies and improvements to the service being provided by the DNOs

Reduce costs to customers

And therefore:

Accelerate decarbonisation

Accelerate innovation

Accelerate energy transition



Of the benefits listed, which do you think Flexr will have the greatest impact on?

A Make data more open, transparent & accessible

B Standardise data & improve its consistency

C Make operational network data available

D Improve the services being provided by DNOs

E Reducing costs to customers



The Flexr consultation



Flexr: the energy data sharing service



[Visit our website to read the consultation](#)

Email: Flexr@electralink.co.uk

The submission deadline is
29th May 2020.

Will you use Flexr to facilitate innovation and enable the energy transition?

A Yes

B No

C Don't know





Thank you for taking the time to listen to our webinar.
We hope that you found it informative.

If you have any further questions, please drop us a line at flexr@electralink.co.uk