

electricity
north west

Bringing energy to your door



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Current challenges

1. Reluctance to accept flexible connections

2. Reluctance to offer flexible services

3. Lack of competition

4. ESO /DSO conflicts



Investigate, develop and trial peer-to-peer trading of curtailment obligations



Reduce barriers for the uptake of RES and choice for connected customers



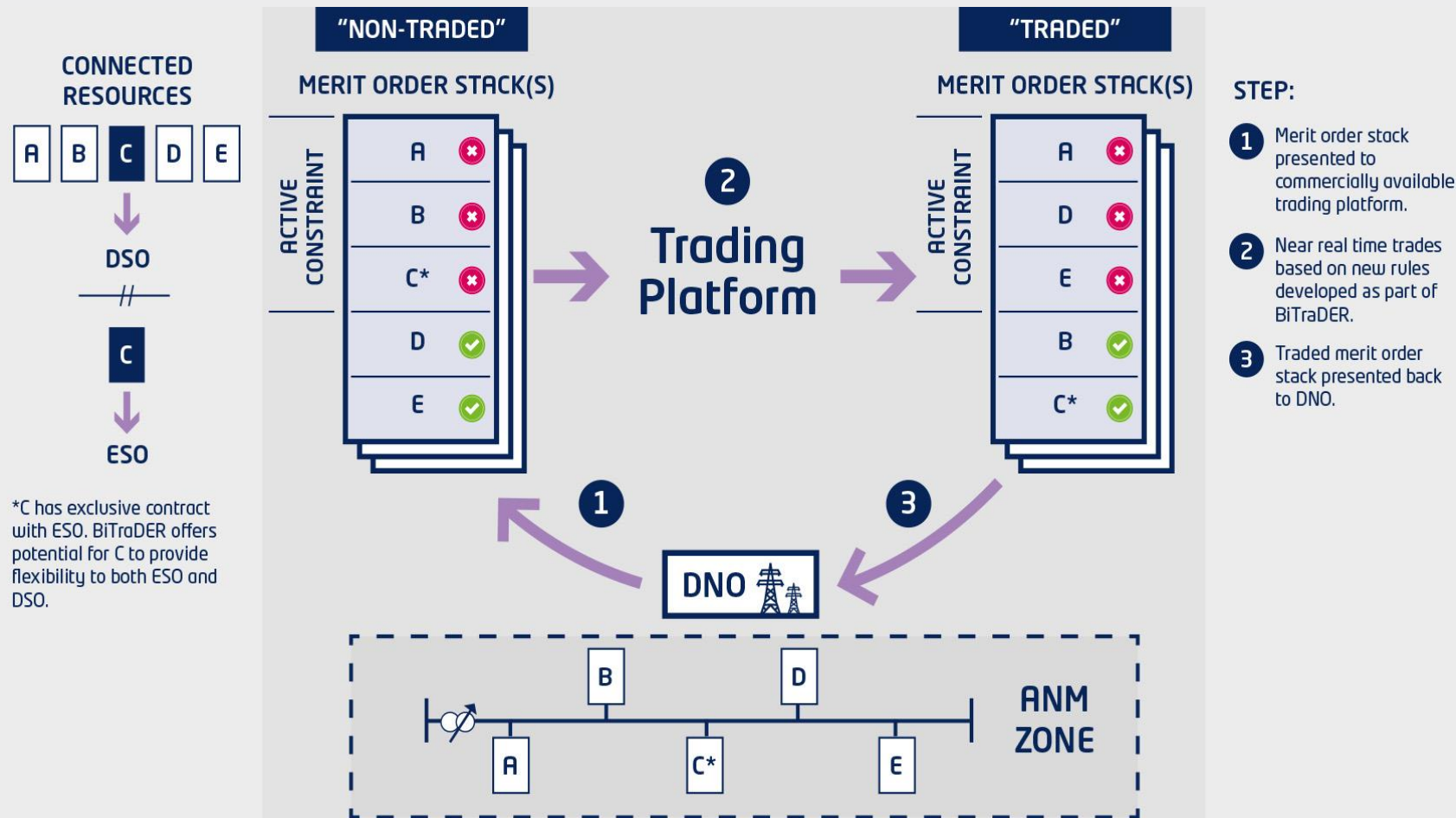
Encourage use of flexibility and reduce whole system costs



Enable DNOs to meet the challenge of net zero

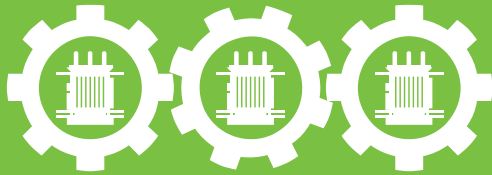


The BiTraDER project will deliver a functional specification detailing the requirements for facilitating bilateral trading, including platform, market model, data requirements and interface.





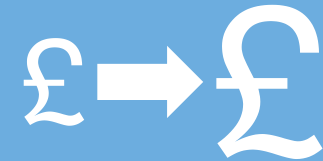
BiTraDER contains highly innovative, and as yet untested, aspects



For the first time ever, connected resources can trade their curtailment obligation bilaterally, in a transparent market independent of the DNO



Ability to trade in near real time will improve the timeliness and scale of response, as well as addressing long term capacity and investment challenges



By resolving operational conflicts, BiTraDER will boost the value proposition for connected resources allowing them to provide services to both ESO and DNO

BiTraDER will demonstrate how access to a neutral market allows connected resources to trade their obligations bilaterally, encouraging more of them to offer flexible services, increasing availability of flexibility and thereby reducing whole system costs.

BiTraDER – project timescales and deliverables



Workstream	Tasks	2021	2022	2023	2024	2025	2026			
Project Mobilisation			■							
Customer	Customer Impact		■							
	Customer Engagement		■	■	■	■	■			
Design	Scenario Planning		■							
	Trading Rules R&D		■	■						
	Trading Rules Platform Design		■	■	■					
	Site Selection & Trial Design		■	■						
	Data Model				■					
	Interface to ENWL System		■	■						
Build	Application Development				■					
	Interface to ENWL System				■					
	Application Integration				■					
Trials & Analysis	Simulation Trials				■					
	Network Trials					■	■			
Closedown & BAU transition	Functional Specification for BiTraDER					■	■			
	Closedown						■			
	BaU Transition					■	■			
Deliverables			①	②	③	④	⑤	⑥	⑦	⑧
Learning & Dissemination				■	■	■	■	■	■	⑨

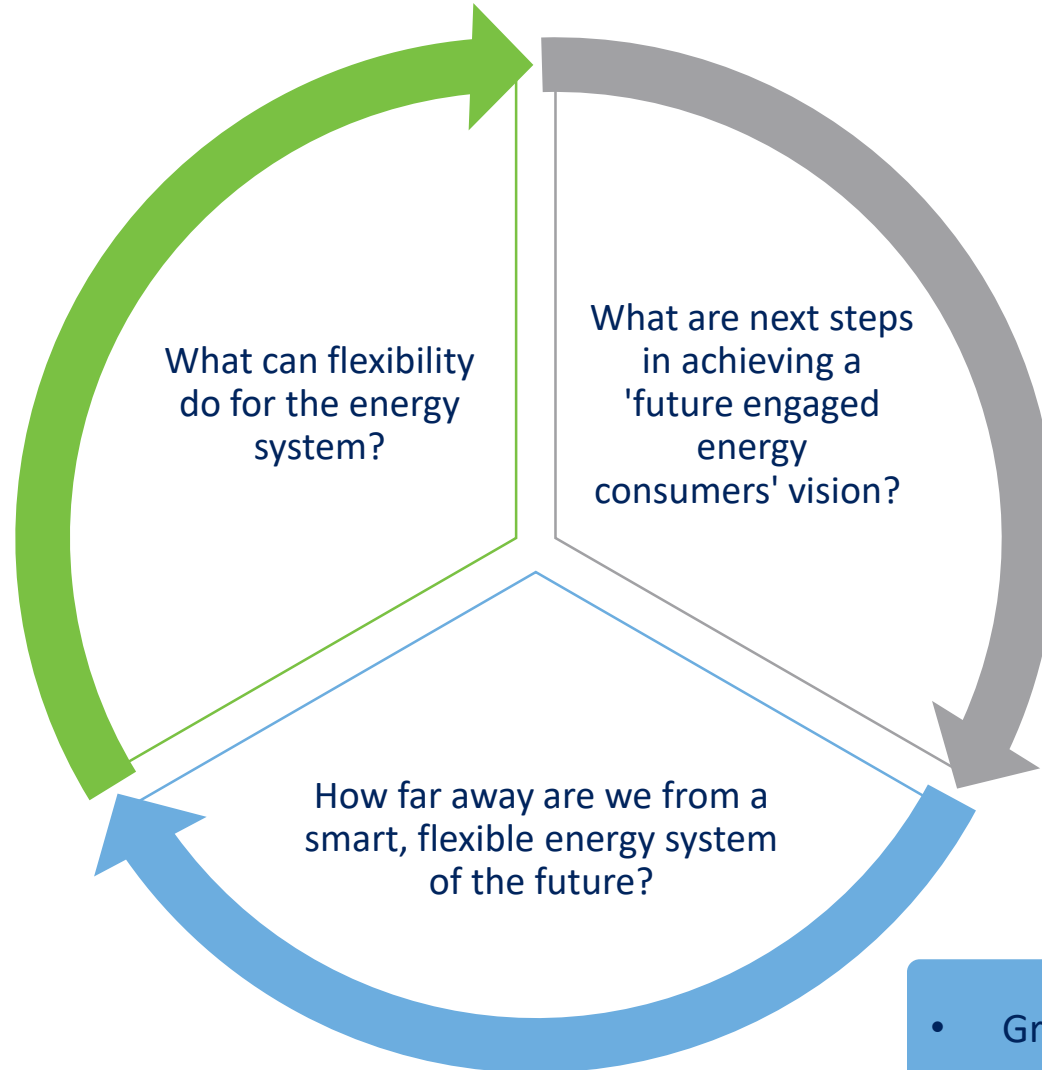
Deliverables

- 1 BiTraDER Initial Report – Customer Engagement and Scenarios
- 2 BiTraDER Trials Plan, Trading Rules and Initial Specification Report
- 3 BiTraDER Interim Report – Trading Platform Design
- 4 BiTraDER Architecture Build Lessons Learned Report
- 5 BiTraDER Simulation Trials Report
- 6 BiTraDER Network Trials Report
- 7 BiTraDER Functional Specification
- 8 BiTraDER Final Report
- 9 Knowledge Transfer





- Provide greater opportunities for connected customers
- Improve efficiency of the network
- Drive down whole system costs



- Make flexibility accessible to all
- Boost awareness of new opportunities, whilst supporting wider system access
- Maximise the power of local energy

- Great progress being made but needs to continue at pace

QUESTIONS & ANSWERS



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