

electricity
north west

Bringing energy to your door



Fostering Flexibility: Empowering Connected Resources
through Bilateral Trading for Enhanced Decarbonisation and
System Efficiency

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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 bilateral 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

Idealised solution

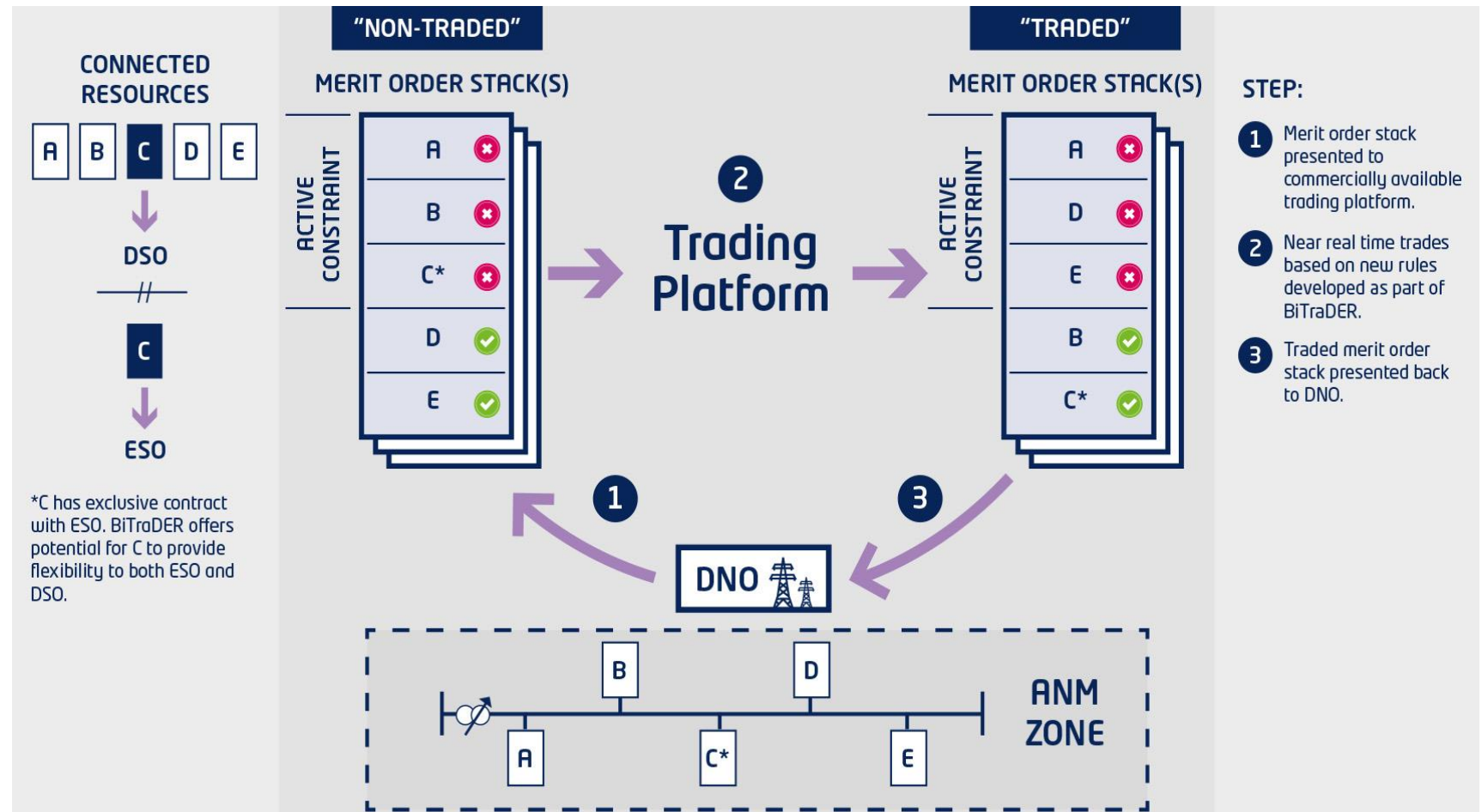


Working with our project partners we will deliver a functional specification detailing the requirements for facilitating bilateral trading, including platform, market model, data requirements and interface.

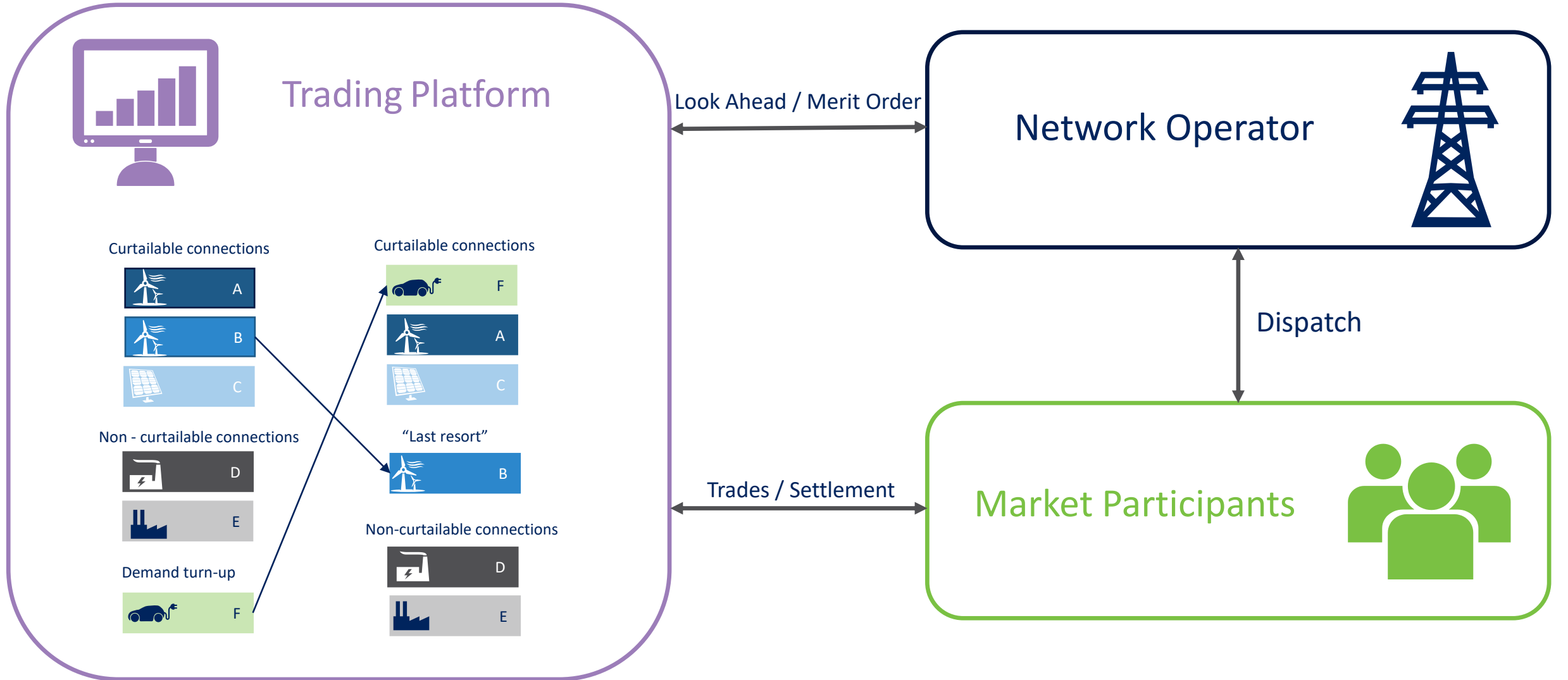
ELECTRON

AFRY
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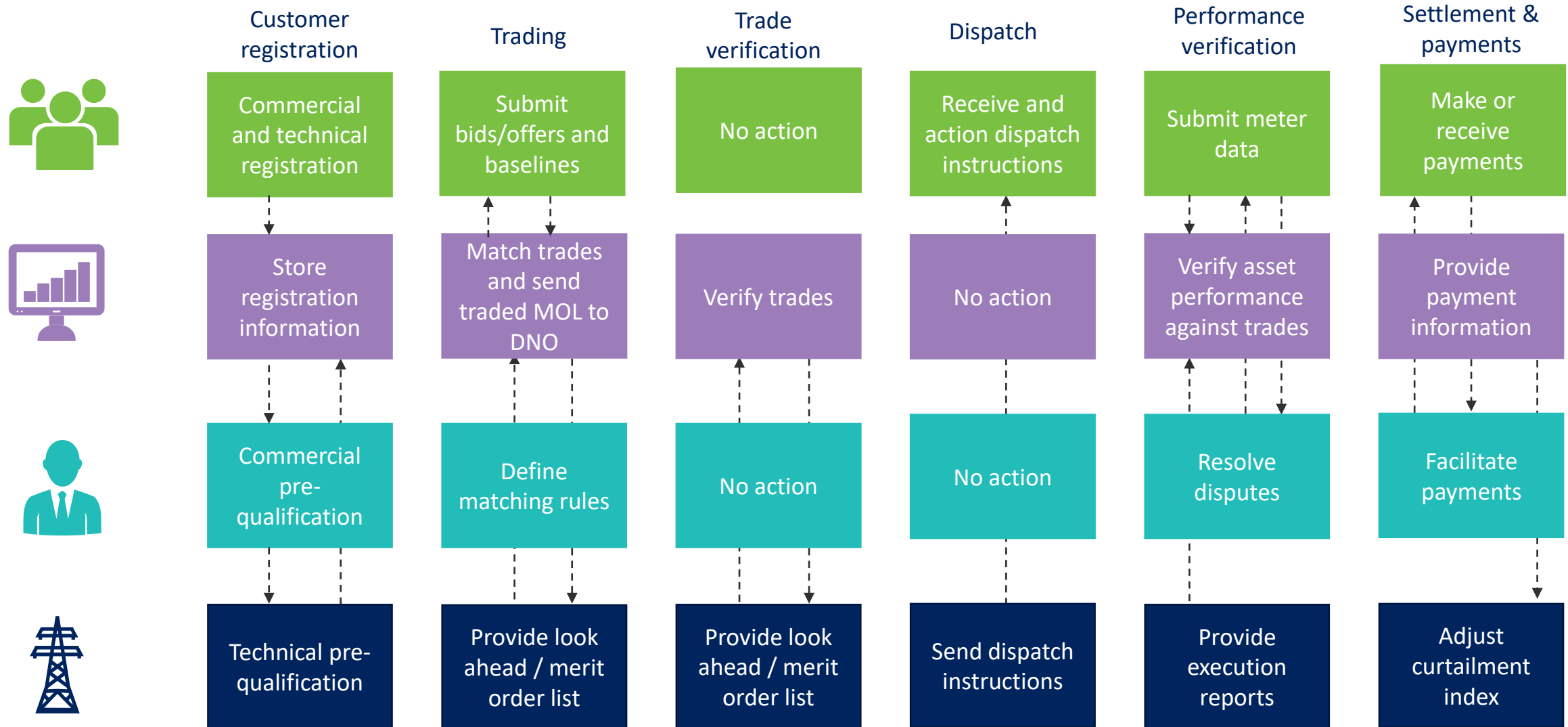
+ LCPDelta



Designed solution



High-level process



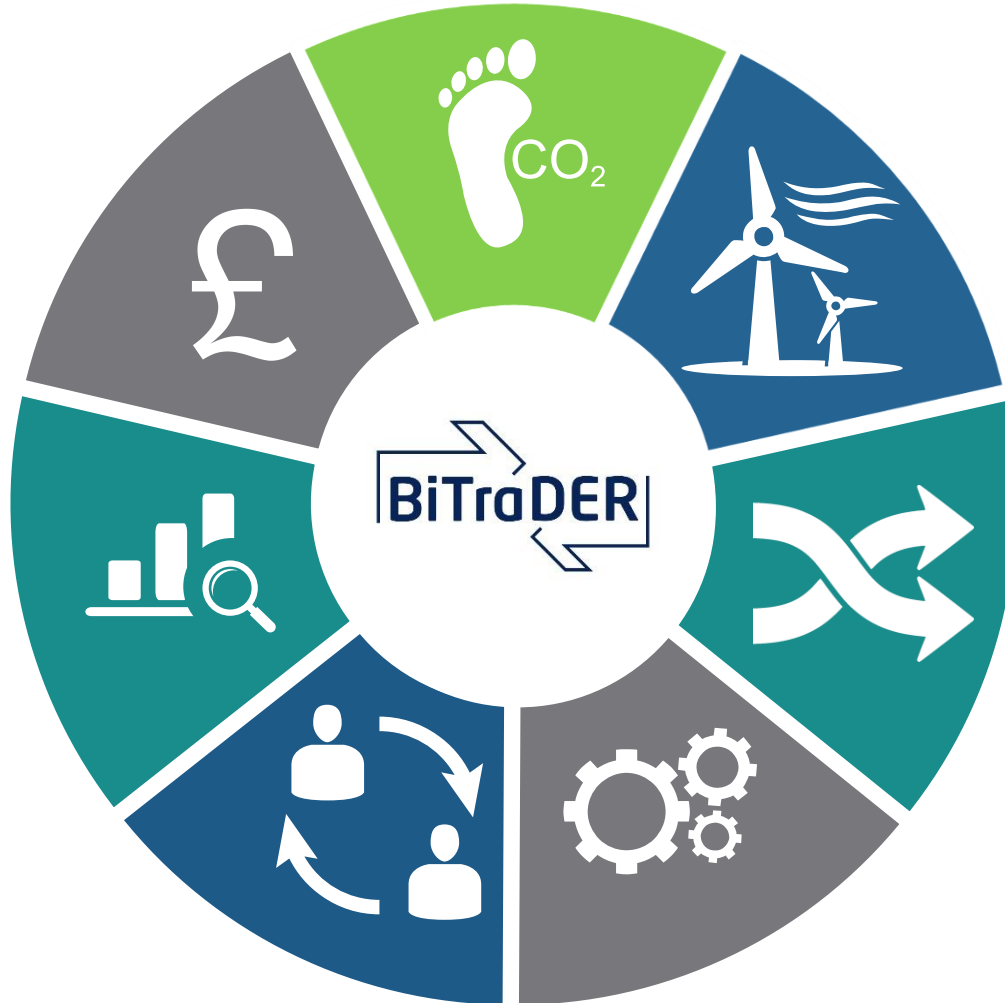


Significant predicted carbon savings

Significant financial benefits for customers and networks

Enables increased competition through a transparent, neutral market

Provides greater opportunities for connected customers



Encourages connection of low carbon technologies by increasing value proposition

Increases available flexibility driving down whole system costs

Improves efficiency of the network

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

QUESTIONS & ANSWERS



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