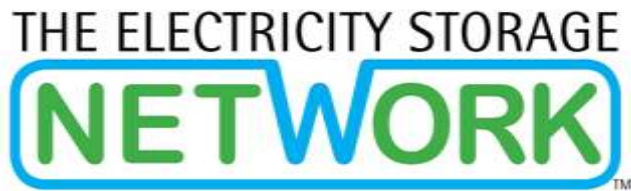


Innovation and Life-Cycle Programme

12:00 – 17:00 Monday 11th September 2017

TLT Solicitors, 20 Gresham St, London, EC2V 7JE

12:00	Registration and Lunch	
12:30	WELCOME AND INTRODUCTION	
	Chairman's welcome	Anthony Price – Electricity Storage Network
12.40	SESSION 1 – Life-cycle	
	Smart Systems and Flexibility plan	Seemat Yusuf – Business Energy and Industrial Strategy (BEIS)
	Raw materials & recycling Where are materials sourced, what is their availability? What can be recycled and what are the processes for this?	Peter Stevenson – GS Yuasa Corporation
	Battery directives What the directives cover and what they don't cover? What are the current arrangements for recycling batteries? What happens with second-life batteries?	Ian Atkinson - Department for Environment Food and Rural Affairs (Defra)
13:20	UPDATE ON ESN ACTIVITIES AND FORWARD PLAN	
13.30	Refreshments	
14:00	SESSION 2 – Life-cycle continues....	
	Why is the fit and forget option wrong?	Aazzum Yassir - S&C Electric
	Are there other wider technology issues? An assessment of parameters to measure the sustainability of energy storage, the LAES approach.	Fernando Morales - Highview Power
	Open discussion What is the ESN's role on promoting energy storage as a sustainable environmentally friendly industry?	
14:45	SESSION 3 – Innovation	
	What new solutions and innovations are needed on the electricity networks?	Ian Cameron – UK Power Networks
	What innovation is needed from the perspective of electricity storage providers?	Small scale – Simon Daniel, Moixa Energy Large-scale – Marek Kubik, AES Energy Storage
	Current innovation funding What are the outcomes of the first tranche? What progress has been made on Network Innovation Funding?	Sally Fenton, Business Energy and Industrial Strategy (BEIS) Neil Copeland, Ofgem
16:15	CLOSING COMMENTS	
16:45	Departure	



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Background:

Energy storage is an important tool on the electricity system. Over 500 MW of battery storage have been contracted for services in the GB market, and the business case for other forms of electricity storage is improving as technology costs drop and market barriers are removed.

This is the start of the development of a major industry. A large part of an industry group's role is to ensure such development happens in an efficient and environmentally sustainable way.

As more storage is deployed, we need to consider the life-cycle credentials of the technologies. We need to ask "How are the materials sourced? How are they used? Can they be recycled? How are they disposed of? What are the prospects for the future with increasing amounts of deployment and ultimate retirement of assets? Fundamentally, is the industry sustainable from the perspective of environment and raw resource, and what further good practice, standards and regulations, are needed?"

A significant amount of innovation funding is available, from Government, and through the network companies, as an innovation allowance. The network companies have to develop their strategy for network innovation by the end of 2017. We need to ask: "what is the critical path of innovation that the electricity storage sector needs to follow, and is the support available adequate for this?"

This meeting for members and non-members of the ESN will examine these two important industry topics and develop the ESN's policies and actions.

If you have any queries please contact the team on 01666 84 09 48 or info@electricitystorage.com

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