



Advancing Hydrogen Innovation: The Potential of Solid Oxide Electrolyser Cells



Scottish Power Green Hydrogen – Building Green Hydrogen Projects





Andrew Britton Business Development Manager UK Battery Industrialisation Centre

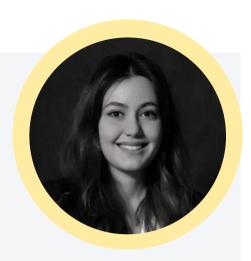
UKBIC capabilities to scale up battery manufacturing from lab level to volume production



Phil Hardman Hydrogen Customer Manager Scottish Power









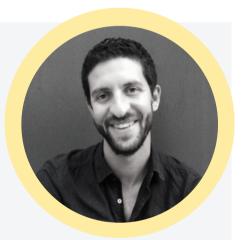
Precision Meets Efficiency, Importance of Regenerative Technology in Cell Testing



*The UK's competitive edge in low–cost battery chemistries: LF(M)P batteries for EV adoption* 



MONOLITH



Michele Paselli VP, Product Monolith Al

Advanced Sensing Techniques in Energy Storage





Aditya Thiru Automotive Trends Strategist Advanced Propulsion Centre UK



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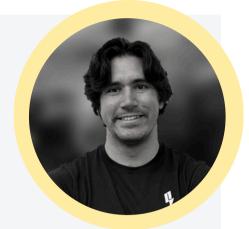
> Mr Nikola Kontic Solution Architect Zuken

Embracing Uncertainty in Power–to–X: Addressing Challenges with Model–Based Systems Engineering



Max Nagle Head of Communications Cell Cycle *Biotechnological Recycling: Where Bacteria Meets Lithium Batteries* 

VOLTA FOUNDATION



Aaron Wade Project Director Volta Foundation

*What happened in 2024? Volta Foundation Battery report key takeaways* 



Brad Miller Head of LCV Product & Pricing Vauxhall *Vauxhall Movano Hydrogen Programme* 



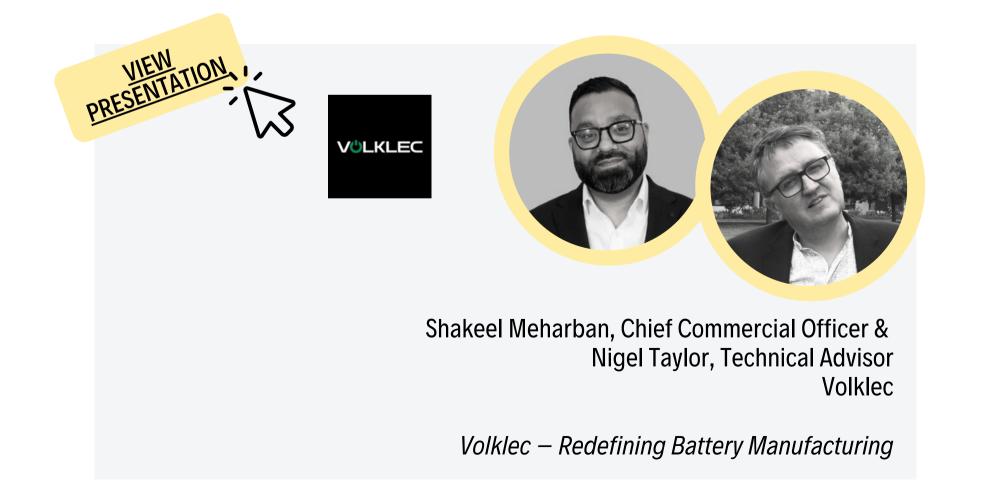






**Dr Ulrich Ehmes** CEO theion

How theion's crystal battery can power the energy transition







Matt Humby Senior Technical Consultant **Firechief Global** 

8 steps to managing and containing Lithium–ion battery fire risks





Angus Lyon Director **Rockfort Engineering** 

Delivering EV propulsion systems in under 6 months: How tight integration and attention to detail of Vehicle, HV and Battery designs to enable rapid yet safe ground up design and deployment



Peter Miller Chief Engineer – Battery UTAC

Fire Safety Concerns and Case Studies



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Caroline Harfield UK Sales Manager COMSOL

Modelling & Simulation for the Hydrogen Industry

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Philip Clarke CEO TUAL Pro Charging TUAL

Charging Beyond the Grid



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## CARPMAELS &RANSFORD



Russell Woolley & Chloe Taylor Senior Associates Carpmaels & Ransford

Intellectual Property for Battery Innovation: Dos and Don'ts

ilika

Hydrogen Power for Remote Sites and De–Centralised Users



John Tinson VP Sales & Marketing Ilika

Solid State Batteries – A progress Update





Giuseppe Sercia Senior Engineer bpp Renewables





Andrew Zemek Principal Market Analyst Marketeye.org

Manganese – The Safest Bet in Battery Metals







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Phillip Johns Head of Cell Development Echion Technologies

From Chemistry to Commercialisation: From scale up of R&D to the in–field use of XNO® anode materials in cell and pack







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Dr Emma Guthrie CEO Hydrogen Energy Association

Paving the Way for Hydrogen: The UK's Vision for a Low–Carbon Energy Future

Multitechnique approach for the analysis of battery materials

### Innovate UK



Dr Diogo Vieira Carvalho Innovation Lead Innovate UK

Mapping the UK Battery Industry Across Sectors





Alexandra Stavropoulou Product Scientist Oxford Instruments







Peter Miller Chief Engineer – Battery UTAC

Combining Simulation and Testing during Battery Pack Development

Pressure Mapping Testing to Improve Battery Performance and Safety





Stephen J. McPhailn International Business Development Manager Hydrogen KIWA

Safe hydrogen projects by design – end to end compliance and holistic asset management.





Shak Jamil Sales Manager **Techni Measure** 







**Martin Rees** Hydrogen Business Driver UK & Ireland **FESTO** 

Automating Hydrogen – Centralised & Decentralised Automation for Electrolysers







**Stephen North Managing Director** Hyonic

Batteries as a Service – BaaS

Batteries from trees – sustainable and local active anode material







Matthew Russell Product Manager- Colour Lovibond Group

The Standard in Clear: Colour Quality Measurement for Batteries





Otto Kivi **Business Development Manager** Stora Enso



### SWINDELL & PEARSON



VIEW PRESENTATION,

Michael Loadman UK and European Patent Attorney Swindell & Pearson Ltd.

Navigating Patents for Battery and Fuel Cell Technologies







Dr Lizzie Ashton Senior Research Associate Loughborough University

*Rethinking Lead–Acid Batteries: A Low–Cost method of Green Hydrogen production* 









Aad VanDerSpuij Business Development Manager EIMEA Henkel AG & Co. KGaA.

Battery pack heating films enabled by Printed Electronics



Curtis Gallagher Sales Representative

*Predicting battery performance from the electrode slurry, before making the cell* 



measure. analyze. innovate.



Dr. Blanca Ruiz Head of Business Development Optical Fiber Sensors Kistler Instruments Ltd.

*Novel Fiber Based Sensors Battery Monitoring under Harsh Conditions* 



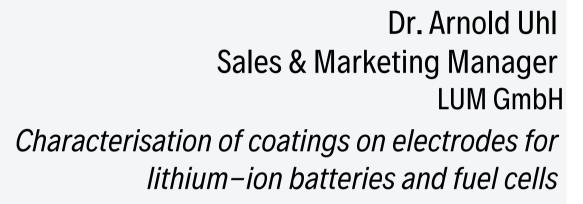
Joe Holdsworth Founder and CEO Metis Engineering

Advanced sensing techniques in energy storage















Dr Michaela Kendall CEO Adelan and National UK Hydrogen Champion for Mission Innovation (UK Government) *Pioneering the UK Hydrogen Opportunity:* 

Who stepped up and what next?





Alan D Colledge Technical Director–Lithium Lithium Battery Recycling

Lithium Battery Recycling – an update





Costanza Tinari Senior Sustainability Analyst

Life Cycle Assessment of Hydrogen Production Pathways



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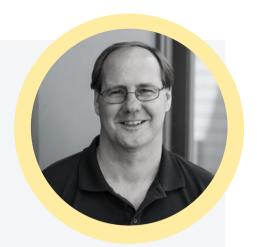


Richard Kay Segment Leader – Manufacturing and Processing – EMEAI Sherwin Williams

*Managing risk from the floor up – NMP resistant solutions* 







#### Dr Nick Welton Technical Manager Powdertech Surface Science

Dielectric Coating in Electric Vehicle Battery Enclosures





Joe Jenkins Senior Battery Test Engineer Element Materials Technology

Trust but Verify: Beyond battery cycling