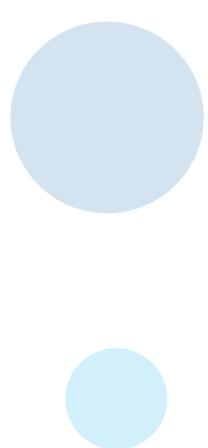


HyTrEc

Hydrogen Transport Economy
for the North Sea Region

20-21 May 2015
Speaker Biographies



Day 1: 20 May 2015

Chair: Nigel Holmes, Chief Executive Officer, Scottish Hydrogen and Fuel Cells Association

Nigel is CEO of SHFCA, the trade association for development and deployment of hydrogen and fuel cell technologies in Scotland. SHFCA is recognised as one of the most active hydrogen & fuel cell industry associations in Europe. SHFCA now has over 75 members, mostly based in Scotland but with an increasing number of members based overseas.

Nigel is also the Chair for the Transport sub-Group of Scotland's 2020 Climate Group, represents SHFCA interests on the Renewable Industry Advisory Group (RIAG), and is a steering group member for both the Scottish Transport Emissions Partnership, and Green Business Fife.



Councillor Jenny Laing, Council Leader, Aberdeen City Council

Councillor Laing leads the administration at Aberdeen City Council. The Labour group member was first elected to the local authority in 2007 and represents the Midstocket and Rosemount ward.



Jon Halvard Eide, North Sea Commission Transport Thematic Group

Jon Halvard has been the Adviser to the Conference of Peripheral Maritime Regions (CPMR) North Sea Commission Transport group since October 2000. He has a degree in Political Science from the University of Oslo and has worked for a range of government ministries, state agencies, NGOs and municipalities. He is the National Contact Point for Interreg IVC / Europe and a member of the Norwegian Sub-Committee for Interreg B- and C-programmes.



Dennis Hayter, Vice President Government and External Programmes, Intelligent Energy

Dennis has been with the fuel cell power technology company Intelligent Energy Ltd since its founding in 2001. Intelligent Energy works on technology implementation across the motive, stationary power and consumer electronics sectors. Dennis is a Vice President of the business covering government and commercial partner liaison on strategic external and internal programmes. Dennis has also been instrumental in establishing and maintaining a fuel cell and hydrogen industry presence to represent, promote and accelerate development of the industry within the UK, in Europe and more widely.



Adwin Martens, Director, WaterstofNet

Adwin is the managing director at WaterstofNet, which focusses on project and technology development of sustainable hydrogen and fuel cell systems for the region of Flanders and South-Netherlands. Financed by Europe, Flemish and Dutch authorities they manage several projects throughout the region on sustainable hydrogen and have many projects on the ground including a fuel cell test facility at Solvay in Antwerp (built by the Dutch Nedstack and MTSA, together with the German SolviCore), which opened in February 2012 and a hydrogen refuelling station in Flanders, built by the Flemish Hydrogenics and operated by Colruyt Group in Halle.



Thorsten Herbert, Head of Programme Transportation and Infrastructure, National Organisation Hydrogen and Fuel Cell Technology

Thorsten is a mechanical engineer responsible for the implementation of the transportation sector within the National Innovation Programme Hydrogen and Fuel Cell in Germany. The transportation sector includes hydrogen powered road vehicles (cars and fleet vehicles, e.g. buses) and the necessary hydrogen infrastructure (production, distribution and refueling facilities). In addition to propulsion systems, this also takes account of vehicle power supply systems, e.g. auxiliary power units (APUs) for trucks, aircraft and ships.



Frank Clifton, Future Networks Development Manager, Scottish & Southern Energy Power Distribution

Frank has worked in the electricity industry since 1986 and has been involved in managing electricity networks in many parts of Scotland, in a range of roles including, Operations Manager, Planner, and Project Manager. Frank is now Future Networks Development Manager, with the remit of introducing new and better ways of managing SSE's electricity networks, and translating these new ideas into business as usual. Frank has had a key role in developing and implementing Northern Isles New Energy Solutions project (NINES) and the Aberdeen Hydrogen Bus project. These projects between them include, monitoring, active network management, analytics and modelling, frequency responsive demand and some of Europe's largest embedded energy storage facilities, including a 1MW NaS battery and a 150MWhrs distributed energy storage portfolio.



Hugo Spowers, Partner, Riversimple

Hugo Spowers, a former motorsport engineer, after studying the commercial feasibility of bringing sustainable transport to market, concluded that a step change in technology is both essential and possible; the principal barriers are not technical but to do with people, politics and business inertia. This led to Riversimple, selling mobility as a service rather than a car as a product, and a strategy for bringing hydrogen fuel cell cars to market; they are now developing their first production car. Hugo is responsible for technical development and for the architecture of the business itself.

Richard Sweetnam, Head of Economic and Business Development, Aberdeen City Council

Richard heads up the economic and business development team at Aberdeen City Council and is responsible for the teams delivering the Council's hydrogen projects. He has worked in delivery of economic development activity since 1995, including economic profiles, strategy and policy, appraisal, project implementation and performance measurement.



Carsten Westerholt, Deputy Head of Secretariat, Interreg North Sea Region Programme

Carsten Westerholt worked at a leading engineering institute as research scientist with a number of European countries. He also worked for the German state, representing at Ministerial, European Commission, IEA and OECD expert meetings, and was adviser to the European Commission on transport and energy. As vice-president of the Verkehrsclub Deutschland, the largest environmental oriented transport club in Europe, he was responsible for communications and European affairs. Since 2007 he has worked for the Interreg North Sea Region Programme where he has been responsible for project development and communications and was appointed Deputy Head of Secretariat at the beginning of this year.

Day 2: 21 May 2015

Chair: John Lidderdale, Chairman, Scottish Hydrogen and Fuel Cells Association

John is a mechanical engineer who spent the early portion of his working life involved in the offshore oil and gas industry. His involvement in alternative energy has been long standing. He first drove a hydrogen powered car he had converted in April 1974, was project manager for a 24 MWe wind farm installation in 1982, an 88MW tidal turbine installation in 1984 and has been in the fuel cell and hydrogen industry ever since. He was responsible for the 1st multi-fuel cell installation anywhere (800kWe for Visa) and the 1st installation over 1MW. John has been involved in the installation of a number of electrolyzers, one H2 fuel dispenser system, >400 fuel cell units including the world's 1st CHP system and CCHP system and the 1st large fuel cells sold without subsidy.



Carlos Navas, Project Manager, Fuel Cells and Hydrogen Joint Undertaking

Carlos Navas joined the Fuel Cells and Hydrogen Joint Undertaking in March 2010 and has been working on Transport on Refuelling Infrastructure since. He works with leaders from industrial companies and public officials to advance the EU multi-year research and development programme on hydrogen and fuel cells. Before joining the FCH JU, he worked primarily in start-up companies involved in the development of hydrogen and fuel cells. He started in 1999 as a Senior Research Scientist working on portable applications at Energy Related Devices (Los Alamos, NM), and in 2003 became the Chief Technology Officer at NTDA Energia (Valencia, Spain) leading various national and international projects on fuel cells for stationary and transport applications. Carlos holds a Bachelor's Degree in both Chemistry and Mathematics from Clark University, and a Ph.D. in Inorganic Chemistry from the Massachusetts Institute of Technology.



Rachel Sharp, HyTrEc Project Manager, Aberdeen City Council

Rachel is Project Manager for the EU North Sea Programme's HyTrEc project – Hydrogen Transport Economy for the North Sea Region. In this role Rachel is responsible for co-ordinating delivery outputs with the project's eight partner organisations, which are based in the UK, Sweden, Belgium, Germany, Denmark and Norway. Rachel is on an internal secondment from the Aberdeen City Council's Environmental Policy team to lead the HyTrEc project. The sector became of interest to Rachel in 2012 when her family were exploring wind development opportunities on their farm in Aberdeenshire. Rachel feels that first-hand experience of the grid constraints that hydrogen could help to overcome, along with seeing the opportunities around sustainability and energy security makes this an exciting field to be involved in.



Sanne Østergaard Nielsen, Project Manager, Vejle

Sanne is a project manager for the municipality of Vejle, working in the areas of climate, hydrogen and CSR. She has also worked on a variety of different initiatives and policy work at Vejle County and was a teacher at Vejlbj Agricultural College. Sanne has worked on a number of European projects and has extensive experience working with European networks and cross-border partnerships. Nature, climate and the environment are issues close to Sanne's heart. Leisure time is spent on the family farm, which besides being involved with tree planting and plant breeding also operates and sells energy from their own wind turbines.

James Sampson, Technical Curriculum Manger, Gateshead College

James has worked across the low carbon agenda for over ten years and brings a wealth of technical knowledge and training experience around the low carbon sectors. At Zero Carbon Futures he is responsible for managing and investigating future green curriculum training opportunities through close development work with SMEs, industry and professional awarding bodies. James has been responsible for the design and development of the Hydrogen Awareness qualification, a key output of the HyTrEc project. Currently, he is creating endorsed and accredited programmes around energy saving systems, hydrogen infrastructure and the deployment of STEM technical workshops in schools and colleges.



Björn Aronsson, Managing Director, Hydrogen Sweden

Björn has 18 years experience from the automotive industry and a Swedish authority, before running his own company for some years. Since 2010 he has managed the Hydrogen Sweden organisation which today has 45 member organisations from the private and public sector as well as academia. He is also on the board of the Scandinavian Hydrogen Highway Partnership and European Hydrogen Association.

Benjamin Daumiller, Project Manager, European Institute for Innovation

Benjamin joined the European Institute for Innovation after completing a Bachelor of Arts in European Energy Economics from the University of Applied Science Kufstein, Austria. As part of the HyTrEc project he has developed a model to increase the sustainable and economical use of green hydrogen production and distribution focussing on the use of sustainably generated hydrogen in the transport sector



Dr George Hazel OBE, Smart Mobility Network Integrator, for and on behalf of Scottish Enterprise

Dr George Hazel OBE, Smart Mobility Network Integrator, for and on behalf of Scottish Enterprise Dr Hazel has extensive experience in all aspects of transport and communications, both urban and rural. He has specific expertise from around the world in strategic planning and policy development, the integration of transport with other related areas, the future trends for mobility, smart mobility and innovative funding of transport infrastructure. He has worked in the public, private and academic sectors at a senior level and has acted as advisor to the Academy of Sustainable Communities, the Commission for Integrated Transport, Transport for London, the Queensland State Government, the Greater Toronto and Hamilton Region, the City of San Diego and many Government agencies around the UK. He is currently acting as Smart Mobility Network Integrator for Scottish Enterprise on the development of a smart mobility industry cluster in Scotland.