



Curriculum Vitae

James
Sampson



QUALIFICATIONS

Master Degree in Science
(Competitive Manufacturing & Industrial IT)

Post Graduate Certificate in
Education (Physics with Emerging
Technologies)

Bachelor of Engineering (Hons) in
Electrical & Electronic Engineering

Higher National Diploma in
Engineering

Ordinary National Diploma in
Engineering

ACCREDITATIONS

Member IEEE

Member of the HyTrEc education
forum

Member of STEMNET

KEY SKILLS

Technical curriculum development
Managing, developing & mentoring

Managing training needs for low
carbon organisations

Proven leadership and motivational
qualities

YEARS OF EXPERIENCE

11+

SUPPLEMENTARY

In my current role as learning and curriculum development manager I am responsible for identifying curriculum development requirements and providing professional knowledge, advice and leadership necessary to design and develop course material that is current, relevant and applicable across the Low Carbon Economy.

PROFILE

James has worked across the low carbon energy sector for over 10 years and brings a wealth of technical knowledge and training expertise to organisations. He is responsible for identifying curriculum development across emerging renewable technologies whilst successfully developing future green curriculum knowledge, skills and opportunities through the close development work with OEMs, SMEs, and industrial partners such as Nissan (UK) and professional bodies such as the Advanced Propulsion Centre (APC).

With a strong background in future skills learning James has a real passion to exploit the needs for young people across the STEM (Science, Technology, Engineering and Manufacturing) agenda by fusing STEM skills to the 3Rs.

EXPERIENCE

2013 – Present Technical Curriculum & Development Manager

ZERO CARBON FUTURES, Future Technology Centre, Barmston Court, Nissan Way, Sunderland, Tyne and Wear, UK

Low Carbon Training (Renewables, Energy Efficiency, Construction and Engineering)

2012 – 2013 Curriculum/Product Development Manager

GROUP HORIZON, Team Valley, Gateshead, Tyne and Wear, UK.

Low Carbon Training (Renewables, Energy Efficiency, Construction and Engineering)

2008 – 2012 Advanced Lecturer / Product Development Manager / Course Leader

GATESHEAD COLLEGE, Gateshead, Tyne and Wear, UK.

Low Carbon Built Environment Lecturer

2003 – 2008 Technology & Science Teacher (Physics / ICT / Engineering / Electronics)

JOSEPH SWAN SCHOOL, Gateshead, Tyne and Wear, UK.

Specialist Technology School (11 - 19)

2001 – 2003 Technical Instructor (Physics / ICT / Electronics)

UNITED ARAB EMIRATES MILITARY ARMED FORCES, Abu Dhabi, UAE

Technical Studies Institute (14 – 21)

1999 – 2001 Technology & Science Teacher (Physics / ICT / Engineering / Electronics)

ETONE SCHOOL, Nuneaton, Warwickshire, UK.

Technology School (11 - 18)

1997 – 1999 Technology & Science Teacher (Physics / ICT / Engineering / Electronics)

BROOKE WESTON CITY TECHNOLOGY COLLEGE, Corby, Northants, UK.

City Technology College (11 – 19)



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SELECT PROJECT EXPERIENCE

High Energy Density Battery (HEDB) Project (2016 - 2018)

The role I have within this project is to develop curriculum training material for the battery manufacturing operatives at Nissan (UK). To facilitate and support this provision I am involved in developing a dedicated training facility within the battery plant that will be used to familiarise new and existing employees with battery manufacturing processes.

<http://www.apcuk.co.uk/about-apc/>

Energy Local Storage Advanced System (ELSA) Project (2016 – 2018)

Exploitation will give me the opportunity to engage with a diverse set of stakeholders (electricians, local authorities, building contractors, first & second responders, insurers and manufacturers) to evaluate applications for the installation of (BESS) and how to inform fire fighting organisations to deal with energy storage incidents.

<http://elsa-h2020.eu/About.html>

Hydrogen Transport Economy (HyTrEc) Project (2013 - 2015)

The role I had within this project was to design and develop a Hydrogen Awareness qualification to assist in the advancement and adoption of hydrogen as an alternative energy vector across the European North Sea region. In 2015 I successfully had the qualification endorsed by the BOC Group.

<http://www.hytrec.eu/>

Birmingham Energy Savers Project (2010 – 2012)

The role I had within this project was to design and create a 2 week External Wall Insulation training programme for the unemployed in readiness for the role out of Green Deal. As part of this process I was instrumental in engaging the services of Rockwool Ltd, the UK's leading manufacture in sustainable stone wool insulation materials. Through my working relationships with the Rockwool Insulation I successfully established and managed a number of technical training academies across the UK.

<http://www.grouphorizon.co.uk/innovative-birmingham-partnership-to-secure-employment-success/>

<http://www.grouphorizon.co.uk/energy-insulation-skills-language-to-support-skills-shortage-in-energy-efficiency-sector/>

<http://www.grouphorizon.co.uk/group-horizon-in-new-national-partnership-with-rockwool/>

Electric Vehicle Charging Equipment Installation Project (2011 – 2013)

The role I had within this project was to be part of training development team that specialised in the development of an EV charge point installation course.

<http://www.grouphorizon.co.uk/government-recognises-iet-standard-for-electric-vehicle-charging/>

Warm Up North Project (2011 – 2013)

The role I had within this project was to deliver a number of energy advice and renewable energy installer courses and was often asked to community groups, architects, social landlords and local authority to give talks on energy efficiency and renewable technologies.

<http://www.grouphorizon.co.uk/group-horizon-part-of-successful-warm-up-north-bid/>

Green Deal "Go Early" Project (2012)

The role I had within this project was to operate and manage the first DECC "Go Early" Green Deal Energy Assessors course to over 60 candidates across the North East of England from August 2012 to December 2012.

<http://bdaily.co.uk/business/14-09-2012/gateshead-college-receive-75000-green-deal-funding/>