



AUTOMOTIVE TRAINING NETWORK

With the Scottish Government focus and incentives for Electric Vehicles (EVs) there is now an increase in the number of EVs in the public domain. This will result in increased demand for maintenance and repair work from garages.

ESP and Transport Scotland are working together to support independent garage staff with training for EVs and on 28 March ESP in partnership with Edinburgh College held a Safe Working with Electric Vehicles event to promote ULEV technologies with a focus on Independent Garages.



ESP are also coordinating a cross college response to offer training from awareness to advanced level certification and are providing training hosted by Edinburgh College and New College Lanarkshire.

- Level 2 Hybrid/EV Refresher Training
- Level 2 Award in Electric/Hybrid Vehicle Routine Maintenance Activities
- Level 3 Award in Electric/Hybrid Vehicle System Repair and Replacement



UNIVERSAL ROBOTS

On 17 May ESP hosted an event in partnership with Universal Robots. The event focussed on Industrial Robot Technology and showcased how robotic arms can be used to work in industries including construction, engineering and advanced manufacturing.



The event demonstrated that unlike traditional industrial robots, which are big, expensive and work inside safety enclosures, this new generation of collaborative robots is designed to be flexible, easy to program, and safe to operate near people.

The event proved very beneficial to the college staff attending who were able to experience hands on demonstrations of the technology and given the opportunity to programme the robot arm themselves.

STEM LEADS FORUM

ESP was asked by a number of STEM Hub Leads to establish a meeting to discuss best practice and challenges facing colleges in establishing the STEM Hub Partnerships.

In response to this request ESP hosted a cross college STEM Hub Leads planning event for all college STEM Leads to meet and discuss. The group has now been formally recognised by the STEM Hub Steering Group.

ENHANCING PROFESSIONAL LEARNING IN STEM

Education Scotland are inviting applicants to apply for Round Two of its Enhancing Professional Learning in STEM Grants Programme!

The grants programme seeks to support practitioners in the following target sectors: early learning and childcare, primary, additional support needs, secondary, community learning and development and school-based technical support staff.

The guidance documents and application forms for each funding stream are available on the National Improvement Hub: <http://bit.ly/NIHSTEM>. The closing date for applications is 10:00 on Friday 28 June 2019.

HISTORIC ENVIRONMENT SIP

ESP attended the launch of the first Historic Environment Skills Investment Plan (SIP) which has been created by Skills Development Scotland (SDS) and Historic Environment Scotland (HES).

ESP is acknowledged as a key partner in the plan which identifies a series of themed actions to address the skills challenges and opportunities in Scotland's historic environment sector, which supports an estimated 20,000 direct jobs across Scotland covering construction, the creative industries and tourism. The SIP has been published on both the [HES website](#) and [SDS website](#).

FARO

On 1 May ESP commissioned a college staff CPD day with FARO Technologies UK Ltd. which focussed on Laser alignment, scanning measurement and projection awareness. The event was attended by construction lecturing staff from Colleges across Scotland.

On the day introductions and hands on demonstrations were given on technologies including Construction Scanning, Manufacturing Metrology as well as BIM Solutions and an overview of applications.

ANGUS 3D SOLUTIONS

ESP in partnership with Fife College held an event for college staff to attend and gain an introduction and overview on Additive Manufacture technology provided by the Scanning, Printing & Manufacturing Services Company, Angus 3D Solutions.

The visit proved to be beneficial to colleges interested in this area and covered key aspects including Additive Manufacturing, CT Scanning as well as the benefits and cons of the technology.

Galloway and Fife colleges. The programme focuses on building early interest in science, technology, engineering, and math (STEM) through a real-world challenge using research, critical thinking, and imagination.

Designed to introduce STEM concepts and 21st century skills to students ages 6-10 while engaging them through a brand they know and love — LEGO®. The theme for this year is Mission Moon.

On 26 March ESP visited The Oil & Gas Technology Centre in Aberdeen to give a presentation on IET First Lego League and provide a demonstration for both local schools who want to participate, and industry interested in sponsoring and mentoring.



ESP and NMIS have now signed an MoU to support the development of a collaborative framework that will provide access to the skills and capabilities of the partner organisations in order to facilitate the delivery of innovation, skills support and the development of services, which would not be able to be achieved with the organisations working in isolation.

ELECTUDE

In a UK first ESP held a training event for college Automotive staff to become trained in the use of 8 Electude High Voltage Safety Trainer Modules.

These modules offer the opportunity to practice the manufacturer procedures required by law to safely isolate ULEV vehicles.

The Modules are now available as a shared resource and placed within college Automotive departments across the regions.

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Energy Efficiency Scotland

ESP is currently working with construction Sector Bodies to develop a skills framework, mapping minimum accredited Scottish qualifications. The final framework is due to be presented to Scottish Government in June 2019.



ESP has secured project funding from the Scottish Power Energy Networks (SPEN) Green Economy Fund (administered by EST) to build colleges Renewables and Energy Efficiency capability and capacity in line with the Scottish Government's Energy Efficient Scotland programme. The project will;

1. Develop a regional Renewable and Energy Efficiency Training Network in a number of colleges in the Scottish Power Energy Network area.
2. Procure and manage capital expenditure.
3. Developing key actions and performance indicators.
4. Coordinate and communicate with key stakeholders and government bodies.
5. Establish promotional and marketing campaigns.

To support the project ESP are recruiting a Project Support Manager role which will have a particular focus on Construction and in particular Energy Efficiency and Renewables - for further information or to apply, please [click here](#).

ADVANCING MANUFACTURING CHALLENGE FUND

As you may already be aware ESP has been representing the college sector in discussions with Scottish Government around a challenge fund for manufacture.

The fund has been renamed to Advancing Manufacturing Challenge Fund, which is considered to reflect the focus of the fund slightly better. The fund AMCF will have two main elements:

Cluster Building - supporting collaboration and business partnerships across Scotland by developing and expanding strong, integrated clusters of companies which are equipped to tackle innovation and capitalise on business growth opportunities.

Leveraging our Assets (match funding required) - aimed at public, academic or third sector organisations looking to develop new, or enhance existing, regional centres and dedicated services to help SMEs benefit from developments in manufacturing.

Further information on the fund criteria and application forms can be found on the Scottish Enterprise website [here](#).

EVENTS AND CONFERENCES

4-5 June 2019, Vienna, Austria	FUTURE OF BUILDING - Congress & Exhibition
13 June 2019, Dumfries & Galloway College	IET FIRST® LEGO® League JR EXPO
13 June 2019, ESP offices, Stirling	Subs in Schools Launch event
18 June 2019, Ayrshire College	IET FIRST® LEGO® League JR EXPO
19 June 2019, Milton Keynes	Omron Robotics Learning Journey Event
24 June 2019, Glasgow	CCG's Off-Site Manufacturing facility Tour
3-6 September 2019, Aberdeen	Offshore Europe 2019