

The Innovation Centres: industry impact

A programme delivering multiple impacts



“Even though the ICs are still in the early stages of development and delivery, [there is] evidence of benefits and impacts for participating companies, and clear signs of the potential for future impacts.”

Independent Review of the Innovation Centres Programme, 2016

Scotland’s unique Innovation Centres programme is realising rich and diverse impacts for industry and the Scottish economy.

The Innovation Centres are contributing to additional gross value added (GVA) for Scotland through:

- creating and preserving skilled jobs
- attracting inward investment
- increasing export potential
- creating new products and processes
- opening up new revenue streams
- delivering cost efficiencies and higher profitability.

Societal and reputational impacts

Societal impacts are emerging too, including more sustainable ways of working, and better patient care.

And, in sectors from data to biotechnology, we are seeing growing international awareness of Scotland’s innovation support systems and culture, which itself will boost investment and exports.

Scotland’s eight Innovation Centres operate across key sectors where Scotland can be world-leading. Their common aim is to help businesses large and small to increase the pace of innovation – and in turn to help Scotland’s economy and people to prosper.

The programme is funded by the Scottish Funding Council, with support from Scottish Enterprise and Highlands & Islands Enterprise.

For more information, or to find out if we could help you innovate, visit <http://www.innovationcentres.scot>

Real-World Impacts



Mirage: multiple partners, multiple impacts

The £6m Mirage collaborative R&D project will boost business turnover by £135m over 10 years, and onshore skilled research and manufacturing jobs to Scotland from Asia.

Backed by CENSIS and Scottish Enterprise, four companies and the University of Glasgow have partnered on the project, which focuses on the production of materials integral to manufacturing goods that use sensors. Cascade Technologies is the lead company partner, along with Compound Semiconductor Technologies Global, Gas Sensing Solutions, and Amethyst Research.

The project will place Scotland at the forefront of the £70bn global SIS market.



Saving oil & gas operators billions of pounds

A project between NEL (a provider of pipeline fluid management) and Robert Gordon University (RGU), facilitated and co-funded by The Data Lab, will allow data from 30 years to be analysed for the first time.

Using RGU's data science expertise and NEL's flow measurement capability, the project will develop data mining software tools to monitor performance and trends. These could save operators billions of pounds annually from unnecessary calibrations, maintenance and shutdowns.

The insights will also be applicable to industries spanning nuclear, pharmaceutical, renewables and life sciences.



Xodus Group: improving understanding of subsea structure recovery

Decommissioning offers significant opportunities for the supply chain to develop new processes and technologies with global relevance.

Xodus Group, which offers engineering and advisory support for oil and gas upstream operators and renewable developers, sought to explore approaches for the removal of subsea structures.

With OGIC's support, it selected the University of Dundee to carry out the research in a controlled laboratory environment.

This research could help to realise improvements in future subsea designs, resulting in more efficient structure removal and reduced future decommissioning costs.



Improving diagnosis of heart conditions

Atrial fibrillation (AF) affects 1m people in the UK and is a risk factor in stroke, especially if undiagnosed.

A Digital Health & Care Institute project brought together NHS 24, Scottish Centre for Telehealth and Telecare, AliveCor, NHS Lothian and Edinburgh University to assess the effectiveness of recording ECGs using a smartphone, an AliveCor Heart Monitor and a free app. This would allow ECGs to be conducted any place and any time, improving diagnosis of AF.

GPs are piloting the monitor at annual healthchecks, referring patients with a provisional diagnosis for a full 12-lead ECG.