



"Achieving a Smart Energy Ecosystem – Lessons from Scotland"

Fiona Goodenough – Hydrogen Project Manager



The Scottish Cities Alliance is a unique collaboration between the Scottish Government and Scotland's seven cities:



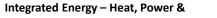
# Scottish Cities Alliance (SCA)

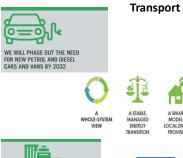
- Partnership of the 7 Scottish Cities and Scottish Government.
- Delivering the Scottish Government's 'Agenda for Cities'.
- Collaborative working to maximise economic potential.
- Focus on innovative solutions and attracting investment.
- Environment to test out new ideas and business models.
- 4 Operational plan priorities: Low Carbon; Hydrogen; Smart Cities & Infrastructure .





scottishcitiesalliance





WE ARE WORKING WITH LOCAL







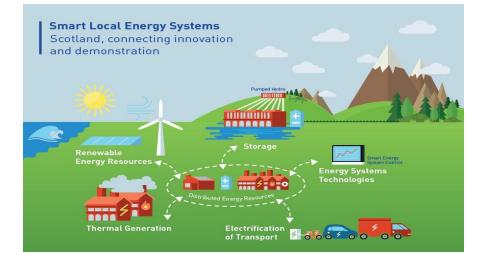
Scottish Energy Strategy: The future of energy in Scotland

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TOP

Section Coverses





# SCOTLAND'S ENERGY AMBITIONS

Unique and Ambitious Strategies:

- First low emission zone to be deployed in Glasgow end of 2018 and in Edinburgh, Aberdeen and Dundee by 2020.
- 80% Reduction in Emission Targets by 2032
- Phasing out the need for fossil fuel vehicles by 2030
- 50% of Energy for Transport, Heat & Electricity generated from Renewables by 2030
- Scotland's Energy Efficiency Programme 15-20 Year Programme complete zero carbon wherever feasible by 2050
- Complete decarbonisation of Scottish Energy by 2050



# SCOTLAND'S 8TH CITY

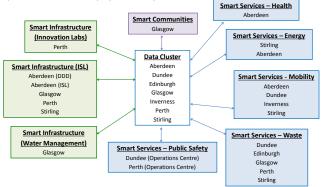
£10m ERDF Strategic Intervention to create a £24.5M programme of Smart City projects across all cities.

	<b>**</b>	1000	European Union
scottishcitiesalliance	smart	Sect	European Regional Development Fund

29 different projects in support of:

- Open Data
- Communities: Mobile Working
- Services: Energy
- · Services: Mobility
- Services: Waste
- · Services: Public Safety
- Infrastructure: Innovation Labs
- Infrastructure: Intelligent Street Lighting
- Infrastructure: Water Management



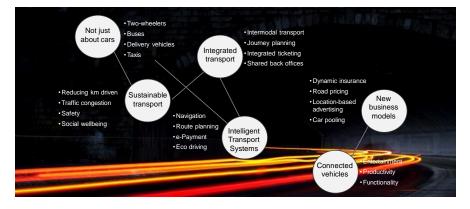


# DUNDEE 'SCOTLAND'S COOLEST CITY'



# **SMART MOBILITY**

Movement of people and goods around cities



# THE MILL

# Mobility Innovation Living Lab

A new innovation centre to establish Dundee as a test bed for smart mobility solutions.



# LIVING LAB

## **Co-Creating**

Developing user-led solutions that meet real needs and support positive behaviour changes.

# Scaling-Up Providing access to infrastructure, data and end-users in Dundee to pilot new products and services. Support in finding routes to market, introducing solutions to other Scottish cities and exporting globally.





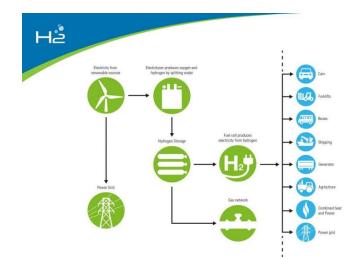








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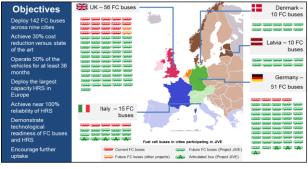
## HYDROGEN TRANSPORT

Clean energy vehicles and managing the transition to low-carbon transport -Hydrogen



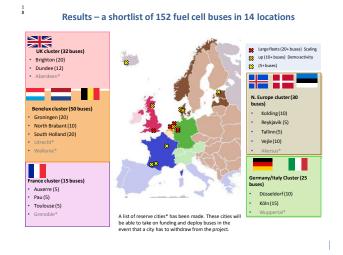
- Building a Hydrogen Economy for Scotland
- Partners in the most ambitious pan-European H2 Transport Projects
- Developing Integrated Energy Projects Power, Energy and Transport
- Developing projects to look at H2 for decarbonising heat and grid balancing

The JIVE project will allow a considerable expansion of the European bus fleet (€32m funding, €126m costs)

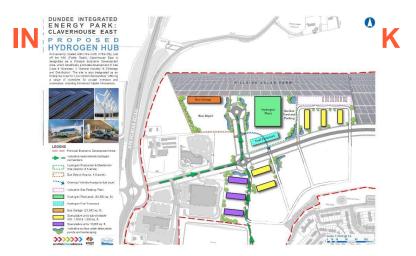


JIVE: Joint Initiative for hydrogen Vehicles across Europe

JIVE will be a six year project, with an anticipated start date of early 2017











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