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Shocks



Waste Water Treatment Capacity



Investment in existing social housing stock



Flooding and extreme weather events



UK Exit



Preparedness for Climate Change



Cyber Resilience

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Stresses



Economic Resilience



Lack of development in the city core



Dependency on cars



Dependency on fossil fuels



Segregation



Mental illness



Governance and financing of risk

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Our focus is a Belfast Resilient to shocks and stresses. A place of climate readiness. A connected sustainable city, with children and young people at its heart. Alive, active and resilient.



Climate readiness

Building a low carbon economy and a community resilient, prepared for climate changes to our weather, water and biodiversity.



Children and young people

Giving our youth an active urban childhood, focused on wellbeing, in the best city in Europe to grow up



The connected city

Creating connections and connecting people, sustainable transport and infrastructure in ways that achieve our economic, social and environmental goals

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Solving urban problems... smart, sustainable, resilient.

- ✓ Water conservation without financial incentives
- ✓ Greater use of public transport in a divided city...
- ✓ Shift from oil heating to renewables in one leap...
- ✓ Smart retrofit of social housing – at scale
- ✓ Sustainable urban drainage/flood management – behaviour change
- ✓ Security of food supply
- ✓ Smart energy storage
- ✓ Resilient infrastructure

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Smart System Technologies Manufactured in NI

Source: Invest NI

Electric Buses

PV Control Systems

Thermal Storage

Water Heating

Hybrid Heat Sources

Thermal Process Control

Biogas Generators

Micro Grids

Electricity Storage Systems

Compressed Air Storage

Heat Pump Compressors

Cyber Security Systems

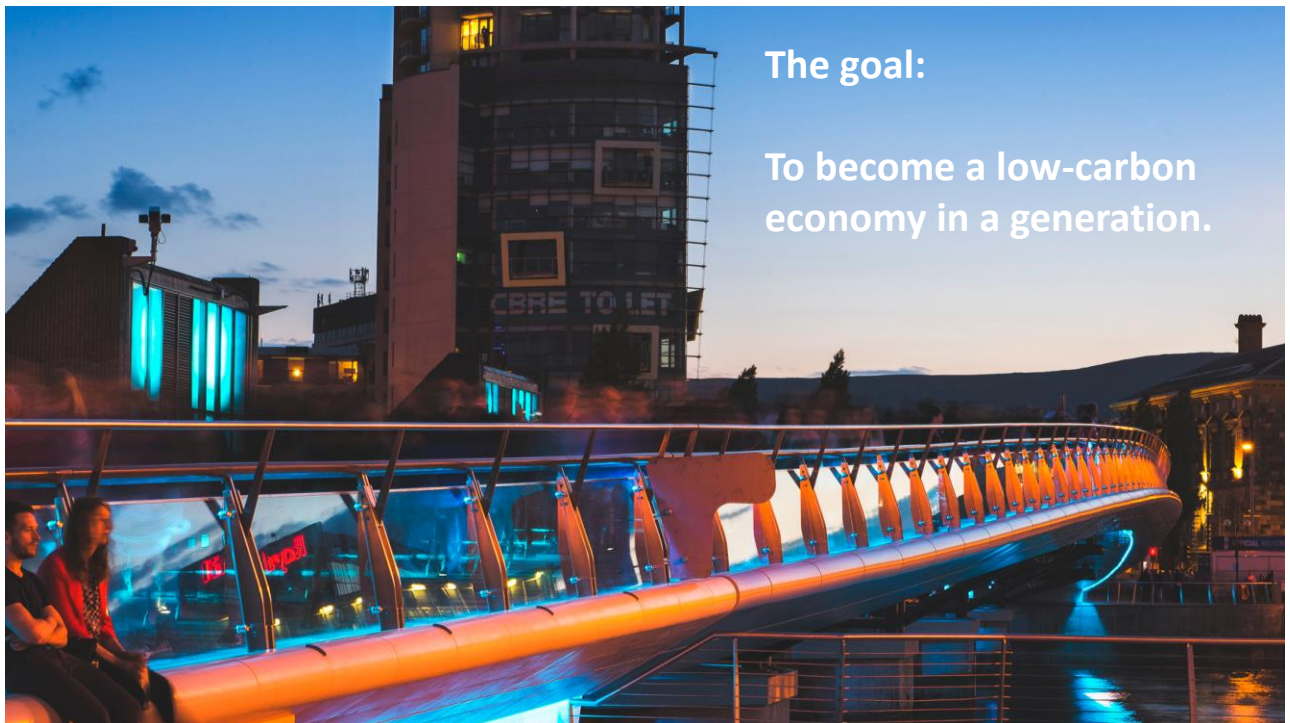
Heat Recovery Exchanges

Tidal Energy devices

SmartGrid Control Systems

Hydrogen buses (Gen Comm)

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The goal:

To become a low-carbon economy in a generation.

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