



6. Project Details

This section presents details of the projects identified and prioritised for inclusion in the Scunthorpe TIP. The combination of these projects supports the economic imperative of increasing jobs and economic productivity, and combine to make Scunthorpe a better place to live, work, visit, relax and invest in.

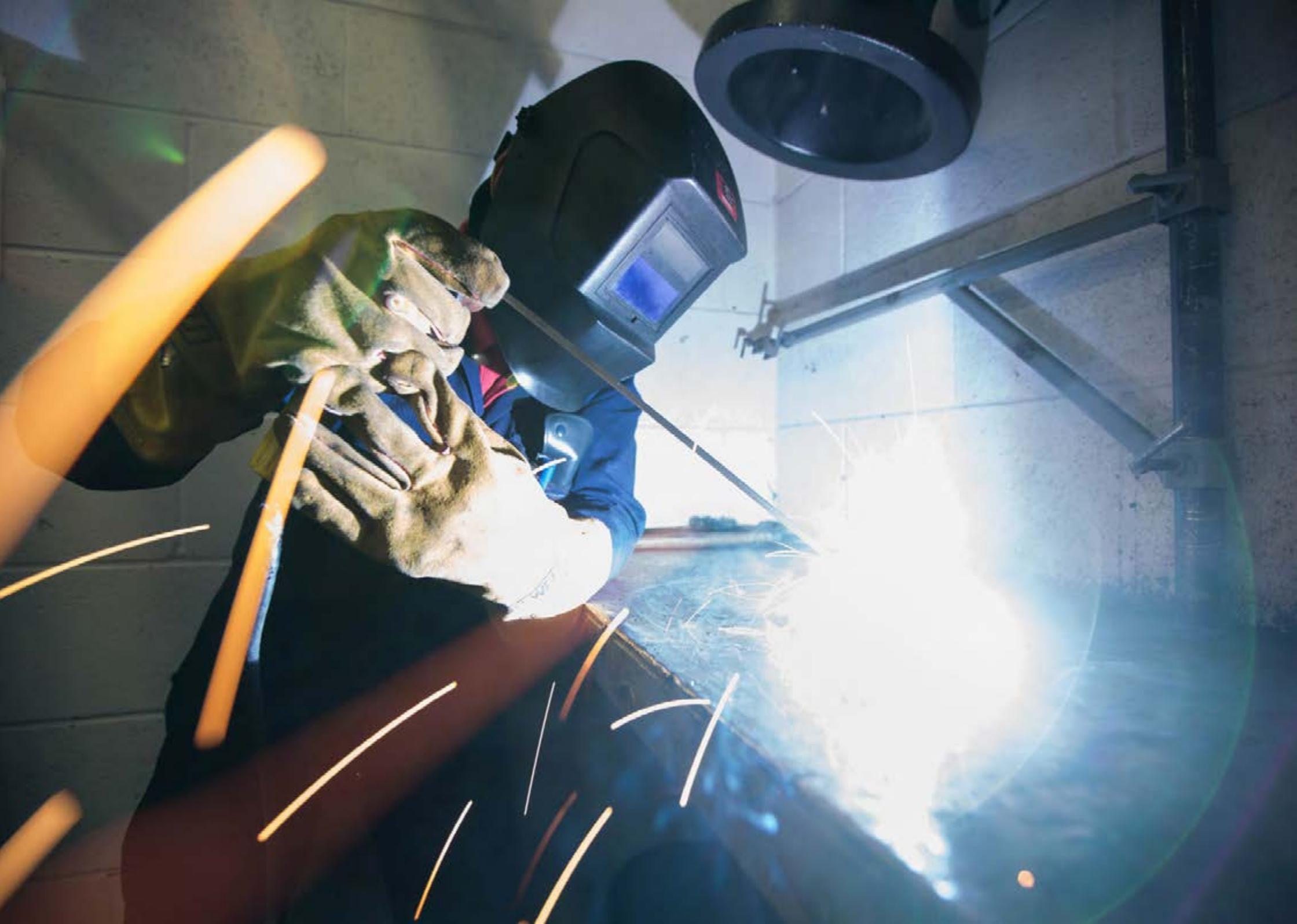
Theory of Change

A detailed depiction of how these projects will help achieve the vision for the Towns Fund – and link with broader policy objectives - is set out in the theory of change model below.

This provides a visual representation of how the outputs, outcomes and impacts of the projects (in the short, medium and long term) link together to contribute to the vision to 2030.

Figure 6.1 (opposite): Scunthorpe Theory of Change model

Context	Scunthorpe Town Deal targets to 2030	Inputs	Outputs	Outcomes	Impacts		
					Short term	Medium term	Long term
<p>The major retail, civil and public sector hub of North Lincolnshire</p> <p>Industrial past, legacy of steelworks</p> <p>Large working age population</p> <p>Low skills base</p> <p>High levels of deprivation</p> <p>Difficulty in attracting high productivity jobs and businesses</p> <p>Retail-driven high street is falling</p> <p>Over-reliance on manufacturing and public sector for employment</p> <p>Poor housing and amenity offer</p> <p>Legacy of underinvestment from the private sector</p>	<p>Greater employment in sectors that are more productive, as well as focusing on strengths in manufacturing and clean energy</p> <p>Attracting new and growing businesses through offering increased opportunities, through training and skills support</p> <p>High quality academic and vocational education and training opportunities to residents locally and regionally</p> <p>High quality natural and built environment offer for residents and visitors</p> <p>Prosperous town centre that attracts residents and public and private investment</p> <p>Excellent digital and physical connectivity</p> <p>A safe, healthy, affordable and sustainable community</p>	<p>Public/political stakeholder engagement</p> <p>Private sector engagement</p> <p>Support from North Lincolnshire Council</p> <p>Project development</p> <p>Design and architectural support</p> <p>Business Case development</p> <p>Obtain direction from MHCLG team</p> <p>Coordination with other emerging policies and strategies (i.e. town centre masterplan and draft Local Plan)</p> <p>Legal and commercial advice and support</p>	<p>Advanced Manufacturing Park</p> <p>Enabling a future for Clean Growth in Scunthorpe</p> <p>Developing Scunthorpe's New Cultural, Arts and Heritage Offer</p> <p>Developing our People and Communities project</p> <p>Integrated health, innovation and emergency services hub</p> <p>Creating 21st century digital connectivity</p> <p>Transforming the Scunthorpe Housing Market</p>	<p>Enabling a new hospital with associated healthcare services (including blue light services) to be built in Scunthorpe town centre</p> <p>Production of low carbon, reliable energy with a high value for money</p> <p>Improved skills offer, apprenticeships and training opportunities in Scunthorpe</p> <p>Creation of one of the UK's largest Advanced Manufacturing and Engineering Hubs</p> <p>Greater visitor/cultural offer in the town centre</p> <p>Improved digital connectivity in Scunthorpe</p> <p>Increase in the quality and quantity of housing available in Scunthorpe</p>	<p>Increased footfall in the town centre with an enhanced public perception of the town centre as an attractive and worthwhile place to visit</p> <p>Increased output to aid recovery from economic effects of COVID-19</p> <p>Greater linkages between skills levels and local labour market demand</p> <p>Increased sustainable energy production from the Green Private Wire</p> <p>Increase in visitor numbers to Scunthorpe as a result of the new Museum</p>	<p>Link with other key investments in Scunthorpe town centre to create a thriving economic and social hub, increasing visitors to the town</p> <p>Construction of a new hospital</p> <p>Increased employment in energy production (Green Private Wire) and advanced manufacturing (Lincolnshire Lakes)</p> <p>Increased skills levels</p> <p>Increased revenues for town centre businesses</p> <p>Increased employment in recreation</p> <p>Increasing low carbon economic growth in repurposed buildings and energy efficiency</p> <p>Attracting inward investment from the private sector</p> <p>Improvement in SMEs recruiting appropriately skilled workers</p> <p>Improved quantity and quality of housing available</p>	<p>Diversification of Scunthorpe's economy (and changing the economic trajectory) through encouraging high value industries, supported by low carbon economic output</p> <p>Increased employment in healthcare (at the new hospital)</p> <p>Reduction in the employment rate gap and productivity gap with the national averages, supporting the 'levelling up' agenda</p> <p>Supporting the improvement of health of the population in Scunthorpe</p> <p>Greater skills base</p> <p>Attracting and retaining skilled professionals in Scunthorpe (healthcare, energy, advanced manufacturing)</p> <p>Improved quantity and quality of housing available</p>



Project 1

Advanced Manufacturing Park Lincolnshire Lake

The delivery of an Advanced Manufacturing Park at Lincolnshire Lakes will provide approximately 390,000m² of commercial floorspace to support the advanced manufacturing sector as well as create new and highly skilled jobs in Scunthorpe. Enabling Highways infrastructure has recently been delivered in the form of the 'Northern Junction' on the M181 providing direct access to the 60 acres of commercial development land.



The Scunthorpe Advanced Manufacturing Park is the ideal location for tier 1 and 2 supply chain to support existing businesses in the Yorkshire and Humber including Off-Shore Wind Manufacturers on the South Humber Bank, with our exponential connectivity to Hull and Lincolnshire Universities, Able Marine Energy Park, a potential Freeport, gigabyte fibre to the premise and green energy.

The Advanced Manufacturing Park at Lincolnshire Lakes could be the first carbon neutral advanced manufacturing park in the UK, supported by world class Research and Development to translational to prototype to assembly / manufacture we will aim to climb up this continuum of Manufacturing in the UK. The Towns Fund monies will provide monies to buy land, infrastructure and develop governance and links to other AMPs.

Project Rationale

Manufacturing is undergoing a historic transformation. Firms are diversifying their focus across different stages of the manufacturing process. Manufacturers are recognising the need to compete on value rather than cost. It is against this background that the Towns Fund Board seeks to provide opportunities for 'advanced manufacturer', to create higher level skilled jobs. Local firms are already seeking to reinvent themselves and seize new opportunities along the value chain. Every single manufacturer in Scunthorpe has the potential to be advanced, as well as attracting new investment into the area.

The context analysis highlights one of Scunthorpe key assets is its strategic regional location and unrivalled connectivity in the East of England both in terms of domestic and international logistics networks. Uniquely for serviced employment land, the proposed site will have rail access, and are also placed on the key highway corridors for the region, connecting to the national Strategic Road Network.

Analysis also identifies opportunities to leverage the logistics and manufacturing specialisms in Scunthorpe to become a more attractive location for higher-value, advanced manufacturing companies to invest. However, to compete with big cities like, Sheffield, Leeds and Manchester investment are needed in a purpose-built site to catalyse interest from advanced manufacturing firms.

Without public support, this investment is unlikely to occur. Despite the unique nature of the site, the cost of remediation has dissuaded investors in the past. Furthermore, local market failures serve to limit investment in commercial development. For example, in the commercial property market, low prospective rents (determined by limited local perception of the business opportunities in local supply chains and elsewhere) and high required investment yields (in a thin local market) interact to reduce values to levels too low to justify construction, even at places where potential longer-term opportunities exist. This coupled with the high cost of adding utilities connections to the site underpin the need for Towns Fund investment.





Alignment to Strategic Objectives

- Strategic Objective 1 & 2



Governance structure and delivery partners

NLC responsible for overarching programme governance.

Delivery agreement will be entered into through a procurement process for the construction of the facilities. NLC are also in discussion with potential occupiers. Delivery partners:

- Homes England – landowners



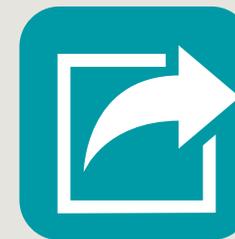
Links to Towns Fund objectives

- Urban regeneration, planning and land use
- Skills and Enterprise



Timescales for Delivery

Construction phase: 20/21 to 22/23
Operational from: 2023



Outputs

- Provide approximately 390,000m² of commercial floorspace to support the advanced manufacturing sector.
- Delivery of new transport and utility infrastructure to open up commercial space.



Major Interdependencies

- The land currently has outline permission for the development of a business park, the land is in the ownership of KMG and is subject to negotiation with Homes England who hold a first change over the land. The Council has made a formal market valuation offer to Homes England.
- Homes England openly support the development of the advanced manufacturing park and have plans to support the project come forward.
- The northern junction project is being developed with a £4.5m investment that will open up the land for development. Completion early spring 2021.



Project level stakeholder engagement

Engagement has been undertaken with the following key stakeholders:

- Lincoln University
- Hull University
- British Steel
- BEIS



Outcomes

- Creation of jobs and associated Gross Value Added (GVA) benefits.
- Supporting the location of new businesses to Scunthorpe.
- Encourage further inward investment into Scunthorpe.



Project 2

Enabling a Future for Clean Growth in Scunthorpe

North Lincolnshire Green Energy Park is earmarked to be located on Flixborough Industrial Estate in Scunthorpe. At its core will sit an Energy Recovery Facility, generating up to 95MW of electricity from 380MW of thermal energy. To ensure the greatest possible efficiency, this will sit alongside 10MW of hydrogen storage, 30MW of battery storage, 120 tonnes of steam storage and an ash treatment facility.



The park will include several energy developments that are vital to North Lincolnshire's decarbonisation agenda. It is important the necessary heat and power networks are in place locally to take advantage and utilise this low carbon renewable source of electricity.

This Enabling a future for Clean Growth in Scunthorpe project is one development within the wider Green Energy Park that will provide the necessary electricity infrastructure to fuel clean growth and decarbonise Scunthorpe. An underground power network will be installed from the Energy Recovery Facility site to key developments in North Lincolnshire. The underground circuit will transport low carbon renewable electricity directly to the end user.

It will be delivered in partnership with Solar 21. The full extent of the Green Energy Park is outlined in the diagram below.

Project Rationale

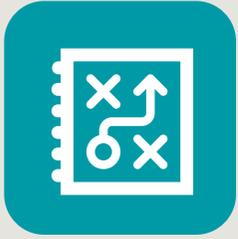
North Lincolnshire is 1 of 4 regions in the Humber and the Humber region aims to be the first net zero industrial cluster by 2040 but it is not on track to achieve this target currently. Scunthorpe is the second worst town in the UK for air pollution in a report by the WHO with 15 micrograms per cubic metre.

Long term exposure in areas with high pollution levels can lead to permanent health effects. This is a particular concern because Scunthorpe has an increasing ageing population (27.1% of the population by 2026 above 65 compared to 17.7% in 2006) therefore the health costs incurred driven by poor environmental conditions will be extremely damaging and costly.

The Economic Growth Plan aims to grow manufacturing and engineering supply chain hubs. This intervention will provide an attractive clean growth proposition to organisations seeking to locate business activity. It is a key component in attracting advanced high-tech manufacturing industries requiring reliable, affordable and sustainable sources of electricity.

Since 2000 the average domestic cost of electricity has increased by 193%. and is forecast to continue increasing. Scunthorpe being a relatively deprived area face an increased risk of residents being in fuel poverty. This intervention could reduce the cost of electricity by up to 60%.





Alignment to Strategic Objectives

- Strategic Objective 1 & 5



Links to Towns Fund objectives

- Urban regeneration, planning and land use



Timescales for Delivery

Construction phase: 20/21 to 21/22
Operational from: 2022



Governance structure and delivery partners

NLC responsible for overarching programme governance.

Arrangements for network management, connections and billing and price of energy are subject to further consideration and negotiation with providers.

Key delivery partners include:

- Solar 21
- Local Distribution Network Operator



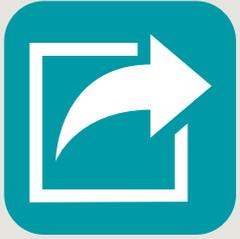
Major Interdependencies

- DCO approval of the Energy Recovery Facility - due to the size it requires a DCO from the Secretary of State.
- Construction and full commissioning of the Energy Recovery Facility.



Project level stakeholder engagement

Engagement has taken place with renewable energy infrastructure specialists and engineering teams.



Outputs

- Provision of renewable low carbon electricity to key housing and commercial developments across North Lincolnshire.
- Reduced cost of electricity.



Outcomes

- Improved perceptions of the place by residents and businesses as we transition to a low carbon economy.
- Environmental improvements in North Lincolnshire.
- Sustainable housing and commercial development.





Project 3

Developing Scunthorpe's New Cultural, Arts and Heritage Offer

North Lincolnshire Council and partners will create a new cultural, arts and heritage offer in our Urban Centre of Scunthorpe.

The project will be a focal point for civic pride as Scunthorpe town centre is reinvented because of the council's Town Centre Masterplan and be central to challenging preconceptions about Scunthorpe. The project will continue to shape our civic, cultural, arts and heritage quarter along with project anchor and Scunthorpe Urban Park.



Project Rationale

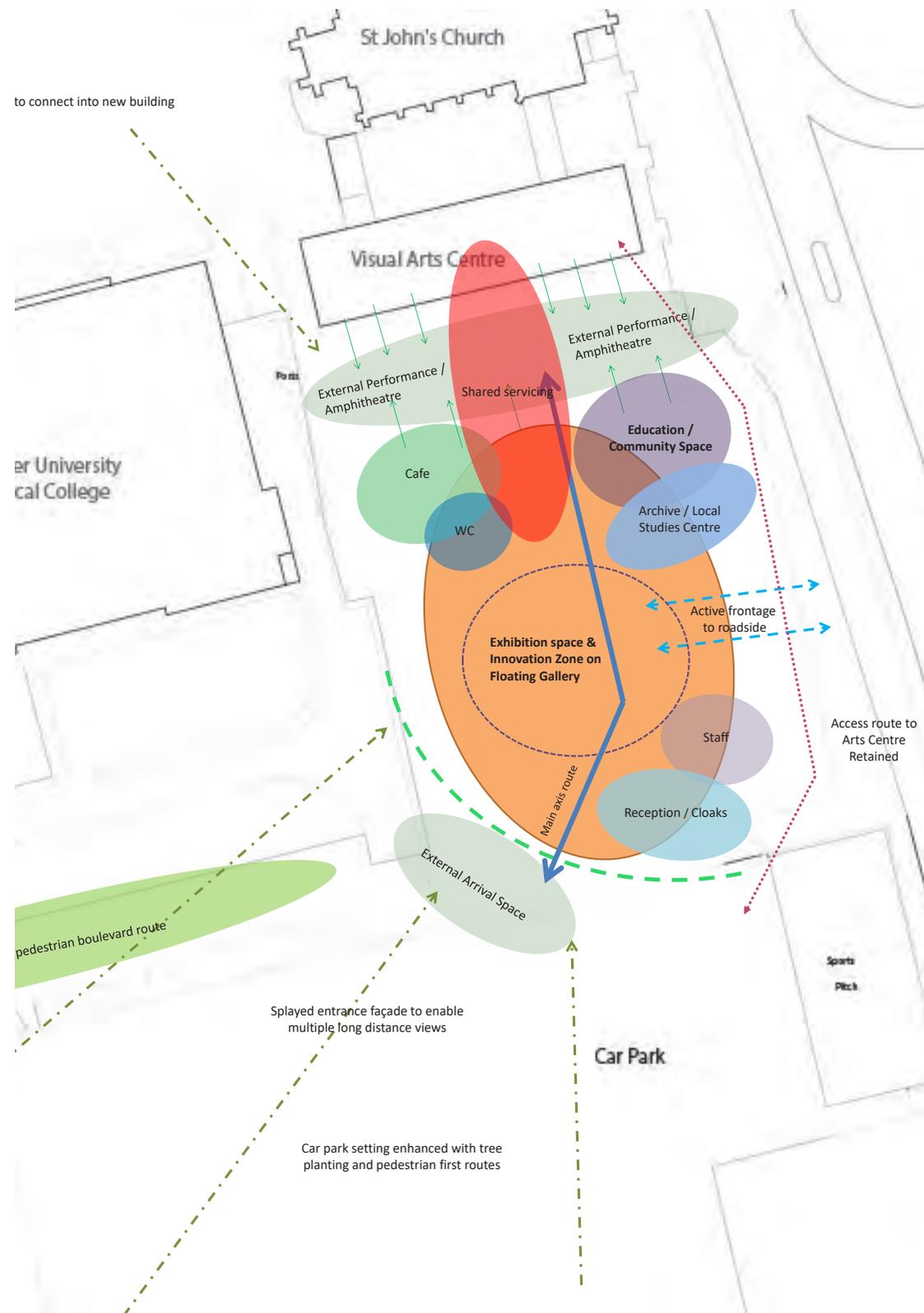
Together with the support of the Towns Fund, North Lincolnshire Council, HLF, private sector and the Arts Council, this project can act as one of the anchors in creating the new economic future for Scunthorpe, showcasing how the past has created our future and beyond

Research and consultation undertaken has identified how the distinctive geology and geography of North Lincolnshire has, and continues to define both the inward migration of people to this area, where they have settled, and its industry. The completed project will be a 'must see' that brings new visitors to the area and encourages those passing nearby to visit the town centre.

The project will learn from heritage and cultural attractions elsewhere, including outside of the UK, to ensure all opportunities are seized. Proposals for the project currently include a purpose-designed temporary exhibition area, shared with 20-21, so that travelling 'blockbuster' exhibitions from organisations such as the Science Museum and Natural History Museum can be brought to Scunthorpe.

The project will serve to inform and orientate local people and visitors and encourage them to go out and explore the heritage of North Lincolnshire and its remarkable breadth through our footpath/cycleway network within Scunthorpe. Through this, the project provides a local attraction which contributes to the enhancement and enrichment of both residents and visitors.

An Innovation Zone where interactive STEM-linked exhibitions will be complemented by displays from local science and technology employers and science departments from national universities showcasing local and national innovation as a means of inspiring local young people to pursue STEM studies and careers which will help to address our local skills base. Attainment above Level 3 is poor and there are considerable opportunities for the project to play a key role in raising aspirations and broadening the horizons of communities by working directly with schools, colleges and universities in broadening their STEM-based curriculum, and by opening up the potential of STEM related career opportunities.





Alignment to Strategic Objectives

- Strategic Objective 4 & 5



Governance structure and delivery partners

NLC responsible for overarching programme governance.



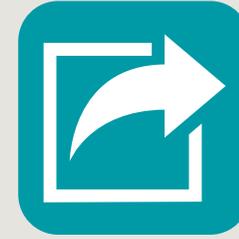
Links to Towns Fund objectives

- Urban regeneration, planning and land use
- Skills and Enterprise



Timescales for Delivery

- Construction phase: 22/23-23/24
- Operational from: 2024



Outputs

- Provision of 3,000m² fit-for-purpose museum space.



Major Interdependencies

- Project Anchor.
- Scunthorpe Urban Park.



Project level stakeholder engagement

- In developing this project, the following stakeholders were engaged:
- HLF.
 - Arts Council.
 - Communities and Residents.



Outcomes

- Perceptions of the place by residents/visitors.
- More visitors/spend.
- More cultural activities/events.

