



KEY INFORMATION:

CLIENT: Network Space
 LOCATION: St Helens, Merseyside
 CONSTRUCTION VALUE: £21M
 CONTRACTOR: Bowmer and Kirkland
 START ON SITE - FINISH DATE: Jan 2022
 – Early 2023 ready for fit out
 SECTOR: Industrial with R&D outputs
 FORM OF CONTRACT: JCT 2016
 DELIVERY TYPE: Design & Build

PROJECT OVERVIEW:

The design and build of Glass Futures - a shell & core, 165,000 sq.ft.
Global Centre of Excellence for glass innovation that aims to revolutionise and work towards decarbonising CO² from glass production.

An industrial unit together with first and second floor office accommodation, laboratory space, on-site catering facilities, external site works including service yard, a dedicated car parking area including disabled bays and provision for electric vehicles, landscaping and drainage.

KEY CHALLENGES

A complex and coordinated design

B+K is working closely with the end-user, Glass Futures, to incorporate its complex fit-out design needs including a complete glass production facility capable of producing 30 tonnes per day, featuring the world's first openly accessible test and trial furnace to enable the study of carbon reduction in the production of glass.

Much of the infrastructure for these works will be incorporated into the shell and core construction, including the erection of a large exhaust flue and specialist services within the base build and design. Through the use of digital construction methods, designs are being developed in a digital environment where interfaces, dependencies and clashes can be identified early in the process where a final model can then be incorporated into the end users CAFM system to support the building operation if required.

"Bowmer + Kirkland starting on site within just two years of the Glass Futures scheme being first conceived is testament to our own commitment to the project and that of an exceptional partnership formed between ourselves, Glass Futures, St Helens Borough Council, the Liverpool City Region Combined Authority and UKRI. Everyone has worked incredibly hard to get to this point and we are grateful to all for their significant efforts. It will be truly fantastic to see a redundant former glass works site being transformed into a global R&D hub, once again securing St Helens' position at the forefront of glass innovation and the transition to zero carbon glass production."

Catherine Chilvers, Development Director at Network Space Developments

SOCIAL VALUE PROMISE:

- 50% of people working on the project being from within the Liverpool City Region (inc areas of Wigan)
- 50% of project spend being local
- Commitment to taking on 2 employees from a NEETs background and 1 through a rehabilitation programme
- 735 apprenticeship hours for the duration of the project and beyond - including an 'apprenticeship clause' in all sub-contracts
- Commitment to saving 1000tn of CO₂ emissions
- 40 volunteer hours committed to 'green' projects.

**+BOWMER
KIRKLAND**