



KEY INFORMATION:

CLIENT: **Manchester City Council**
LOCATION: **National Cycling Centre**
CONSTRUCTION VALUE: **£1.6m**
CONTRACTOR: **Warden Construction Limited**
START - FINISH DATE: **December 2022- June 2023**
SECTOR: **Public Sector**
FORM OF CONTRACT: **Public Sector Partnering Contract Six**
DELIVERY TYPE: **Installation of Solar Car Ports to the South car park and associated works.**

PROJECT OVERVIEW:

The installation of Solar Car Ports and associated works at the National Cycling Centre on behalf of Manchester City Council

This project is part of a wider programme of the European Regional Development Fund supporting renewable energy projects across Greater Manchester.

The works involved the provision of new solar car ports within two of the existing car parking areas, benefitting the public, reducing carbon emissions and creating a more pleasant to use parking amenity.

KEY CHALLENGES

• Live functioning environment

Working adjacent to the National Cycling Centre proved a challenge due to the live functioning environment. It was important we allowed business as usual and minimised disruption to the building users and employees.

• Design implications and challenges

Due to the nature of the project, being an innovative build, design changes were more common than usual which meant multiple changes had to be made throughout. Our staff and our subcontractors worked hard to fulfill these changes and create the best outcome for the clients.

• Contractors and procurement of steelwork

Due to unforeseen procurement implications with our steelwork designer and fabricator, we designed and procured the steelwork in house. Utilising our structural engineer WML to fully design and engineer cantilever car port system we achieved great results.

SOCIAL VALUE, SUSTAINABILITY AND LOCALISM:

- In collaboration with Skills Construction Centre, we delivered a construction taster day aimed at hard-to-reach groups, including NEETs.
- We kept CO2 emissions low by utilising our local supply chain and employees.
- 98% waste was diverted from landfill.
- We delivered £150 worth of food to Manchester Central Foodbank via Manchester City Fans Foodbank.
- Warden collaborated with ISG and NWCH to take part in the velodrome charity event.

"I can't speak highly enough of the delivery team for this project. They worked diligently, dealt with any issues proactively and gave myself as the project lead and the client a great deal of comfort throughout."

James Kearns, Manchester City Council



SOCIAL VALUE PROMISE:

- Construction Taster Day aimed at hard-to-reach groups
- Use of a local supply chain to decrease carbon emissions and support our local economy.
- Minimum 95% of waste diverted from landfill
- 5 days volunteering to MCRAActive
- Support Manchester Central Foodbank