

HS2 Enabling Works Contract (EWC) South

Delivered by Costain Skanska Joint Venture (CSjv)

Celebrating our Learning Legacy 2016-2022



OVERVIEW

CSjv has safely delivered a multidisciplinary programme of works to prepare for the construction of HS2 in London, alongside a variety of diverse stakeholders.

Total contract value of **£691m**

- 77 standalone projects completed ✓ Collaboration for success
- 84 buildings & structures demolished ✓ Ethical construction
- 650 staff and 1,700 operatives at peak ✓ Learning organisation

UTILITIES

The use of digital permitting and vacuum excavation for utilities works enabled the team to lead the way on safety, while carrying out works without damaging existing assets.

- 4,828 digital permits issued 21,000+ utility assets crossed
- £127m+ of utilities works ✓ Increasing barrier system safety

HEALTH, SAFETY AND WELLBEING

Outperforming industry benchmarks in all aspects of Health, Safety and Wellbeing performance, using innovations to eliminate certain risks and by raising awareness of key issues to keep people healthy and well.

- 131,000 at risk hours eliminated 695 people trained in Mental Health first aid
- 14,600 people inducted 4,300 people trained in behavioural safety
- over 1,000 medicals conducted ✓ High welfare standards for everyone
- ✓ Investing in supervisor training ✓ Eliminating every-day risks
- ✓ Pandemic response

LEADING EDGE TECHNOLOGY

At every stage of the project, the team deployed new digital technologies to enhance the value of the works, keep everyone safe, deliver efficiencies and provide data for the future.

- 43,000+ hrs of work eliminated through digital surveys
- 2 fully digital paperless sites and offices 860 drone surveys conducted



LONDON EUSTON



and further sites out to **WEST RUISLIP**

OLD OAK COMMON

Occupational Health in Archaeology
Designing our workplaces to minimise occupational health impacts

Eliminating falls from height
Assessment and selection of the right demolition methodologies

Reducing noise and vibration
Reducing impact to local residents during foundations removal

Innovative demolition solutions
Demolition with minimal impact to our surrounding neighbours

Powerful forces
Leading the switch to low carbon construction plant

Engineering for Archaeology
Engineering for Archaeology during major infrastructure programmes

Exclusion zone technology
Deploying technology to eliminate harm

SOCIAL VALUE

An industry-leading social legacy programme which has delivered enormous value to our neighbouring residents and businesses, led to jobs and mentoring for young people and has provided shelter and employment to local homeless people.

- £121m of social value delivered 200 jobs to previously unemployed people Working with 250+ SMEs
- ✓ FAIR network 87 apprentices ✓ Broadening talent pools ✓ Disability-confident employer
- ✓ Inclusive sites and offices ✓ Supporting homeless communities ✓ Flexible working for all roles

ENVIRONMENT AND SUSTAINABILITY

In-house environmental managers and specialists working together with pioneering project teams produced sophisticated systems to meet HS2's ambitious industry-leading targets.

- 163,000t of demolition material reused 483,509t (98%) of waste diverted from landfill £6m savings
- ✓ First HS2 Contractor to achieve BREEAM "Excellent" Design Stage ✓ First HS2 Contractor to achieve PAS2080
- ✓ First HS2 Contractor on HS2 to eliminate diesel (2021) ✓ Extensive water monitoring

A GREAT NEIGHBOUR

The team has strived to be a great neighbour to the wonderfully diverse communities on the route, by creating local jobs, investing in small businesses and challenging construction stereotypes.

- Noise insulation fitted to 650+ properties 80+ schools engaged
- 1000+ Highways consents 11,000+ young people engaged
- ✓ Short-term scheduling to manage community impacts

ENGINEERING SOLUTIONS

Fostered a culture of continuous improvement based on collaboration to drive efficiency and return value to the programme, harnessing innovative solutions and maintaining technical integrity.

- 10,000+ documents assured 167 stage gate certificates achieved
- 5,300m² encapsulation of archaeological sites ✓ Independent Lead Design Team
- ✓ Technical Assurance learning from project teams ✓ Completion Health Panel