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Civils Project of the Year Winner 2018

London Bridge Station Redevelopment

The Judges say...

Arguably Europe's most multi-faceted infrastructure development, London Bridge Station was delivered in a way that sets a blueprint for the delivery of major complex projects and creates legacy for the capital and surrounding areas.

Built in 1836 with little investment since the 1970s, the key aim was to untangle the bottlenecks and approaches to London Bridge Station to accommodate more trains and more passengers. Around 140,000 people currently use the station each day and it was important to remain operational while extensive works were carried out. Applying a holistic approach to all aspects of the project, Network Rail, Costain and the Costain supply chain (over 200 suppliers) have worked collaboratively with relationship and interface management critical to success. The culmination of six years of major redevelopment, London Bridge Station is now a world-class transport interchange with a grand new street level concourse that represents a dynamic piece of twenty-first century architecture that delivers significant benefits to its local area and commuters.



Contract value: £1b Type of work: Redevelopment of Victorian railway station

Actions

- Complex staging process deployed: involved demolishing the old platforms and arches below and reconfiguring the tracks in nine stages – each stage had to be completed before moving onto the next.
- Pre-fabrication and a modular approach to keep the station, train services and surrounds operational and safe.
- Programme-wide sustainability strategy included: integration of LZC technology, whole life case studies, waste and emission reductions, operational waste management plan.
- Managed within an existing footprint surrounded by highways, hospitals, residential, commercial.

Impacts

- World class interchange and vital node in the capital's busy transport network and a catalyst in the regeneration of the London Bridge Quarter.

- Sympathetic to its heritage and delivered within its planning conditions: two listed building consents, a Conservation Area Consent and an in-depth set of S106 obligations.
- A truly legible layout, allowing the station to feel like a single station for the first time.
- New and improved rail services projected to save 24 million of CO₂ per annum.
- 65% increase in station capacity from 56 to 90 million passengers per year.

Lessons learned

Work around social value has attracted and retained greater diversity of talent than most rail projects helping to bridge the skills gap facing the sector. Many lessons learned have been captured to share with the wider industry including 52 sustainability focused best practice case studies highlighting how solutions and improvements have been achieved.

