



INFRASTRUCTURE
 MINING & METALS
 NUCLEAR, SECURITY & ENVIRONMENTAL
 OIL, GAS & CHEMICALS

51°27'1"N | 0°53'31"W

Crossrail, United Kingdom



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Seven decades in the UK Building Britain's Infrastructure

1950s

- Aden Refinery: the catalyst for opening a Bechtel office in the UK

1960s

- Pembroke Refinery
- Gulf Milford Haven Refinery

1970s

- Mobil Beryl B Offshore Project
- Esso Fawley Refinery PV3 Project
- Gulf Milford Haven Vacuum Unit

1980s

- Channel Tunnel
- Conoco Murchison Offshore Project
- Conoco Hutton TLP Offshore Project
- Esso Fawley Refinery Lubes Expansion
- Eastman Chemical PET Plant
- Shell Mossmorran Overland Pipeline
- Sun Oil Offshore Project, Balmoral

1990s

- Jubilee Line Extension
- Cardiff Bay Barrage
- Rocksavage Power
- North West Water Capital Improvements Programme

2000s

- High Speed 1
- Railtrack National Rail Recovery Programme
- West Coast Route Modernisation
- Vodafone Project
- Spalding Power Station
- Coryton Power Station
- Tube Lines
- Luton Airport
- Great Yarmouth Power Station
- Nuclear Decommissioning Authority

2010s

- Crossrail
- Crossrail & Reading
- High Speed 2 Phase 2b
- Gatwick Airport
- London City Airport
- Hinkley Point
- Great Western Route Modernisation
- Wylfa Newydd Nuclear Power Station
- Defence, Equipment & Security (MoD)
- High Speed 1 Renewals

Bechtel at a glance

Bechtel is a leading global engineering, construction, and project management company. We work with our customers to deliver landmark projects that create long-term opportunities and economic growth.

We have worked in the UK for seven decades – designing and building projects that include power plants, airports, refineries, rail systems, and communication networks, and supporting national defence programmes.

During that period, we have taken a lead role in some of the nation's most celebrated rail projects, including the West Coast Main Line, the Channel Tunnel, High Speed 1, and Crossrail.

Bechtel is currently Development Partner on HS2 Phase 2B.

Our expertise

INFRASTRUCTURE

- Aviation, civil, communications, and rail

POWER

- Nuclear, renewables, thermal, transmission, combined cycle, and hydro

DEFENCE & NUCLEAR SECURITY

- Chemical weapons disassembly and destruction, critical infrastructure, facilities operations and management, supply chain management, US naval programmes
- Environmental cleanup and management
- Cleanup and remediation, decontamination and decommissioning, waste processing and disposal

MINING & METALS

- Coal, ferrous, nonferrous and industrial metals, metal forming and finishing

OIL, GAS & CHEMICALS

- Liquefied natural gas, offshore oil and gas, onshore oil and gas, petrochemicals, pipelines

Our approach to building legacy projects

We empower supply chains

As official partners of UK Export Finance, to date over £1bn of work on our projects in growing global economies has gone to local SMEs

Championing a diverse workforce

Over a third of our engineers on Crossrail have been female, including the Project Director, who is now our global head of rail

Constantly innovating

We back Bechtel entrepreneurs – with nearly £40m spent on innovations developed and deployed 125 times on our projects

Protecting the environment

Our emissions-reduction plan for construction machinery in the UK has been replicated industry-wide

Exporting UK rail capability

From Sydney to Riyadh and Texas to Toronto, our Crossrail engineers lead rail projects around world

In the background:
St. Pancras Station, High Speed 1, UK



Bechtel's UK rail story

Global expertise, local insight: The streamlined route to integrated engineering, procurement, and delivery for large-scale infrastructure

Crossrail

Bechtel has been supporting Crossrail's management of the project to deliver Crossrail, Europe's biggest infrastructure project. When it opens as the Elizabeth Line, Crossrail will carry 200m passengers a year, increasing the capital's passenger rail capacity by 10%.

The 100km-plus Elizabeth rail line will serve 40 stations – 10 of them new – from Heathrow and Reading in the west to Abbey Wood and Shenfield in the east.

Construction has involved a labyrinth of new tunnelling beneath the busy streets of London. Above ground, the project has set an industry standard for construction-machinery emissions reduction, and 98% of excavated material has been reused to create the Wallasea Island conservation scheme. In addition to our Delivery Partner role, we were selected to manage the extensive upgrades to the existing rail network outside of the capital.



Aerial view of Farrington Station
© Crossrail

Channel Tunnel & HS1 (Channel Tunnel Rail Link)

The UK's first high-speed rail project has halved travel time from London to the Channel Tunnel. In 1990, we were called upon to rescue the then-troubled project. Four years later – and in record time – we successfully delivered 48 miles of tunnel.



St Pancras International Station

Using original plans from 1868, we led the complete renovation of the iconic Grade 1-listed building.

Other station upgrades include Reading and Stratford – also ahead of schedule and budget, and Vauxhall, where our innovative construction cut carbon emissions.



Jubilee Line extension

Brought in once more at a late stage to deliver to a hard deadline, we designed a fast-track plan for delivery. Working with our partners, we completed the extension and operational commissioning in just 14 months – in time for the new line to carry guests to and from London's Millennium celebrations.



West Coast Main Line

Bechtel was called on to complete the WCML modernisation, a line dating to the 1880s, running from Euston Station to Scotland.

One of Europe's busiest mixed-traffic railways, it carries over 40% of Britain's rail traffic.

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bechtel.com

Some of our current global rail projects

Riyadh Metro

85 stations, 6 lines,
more than 500 stops
on the bus network –
all due for completion
within 5 years

Sydney Metro

Australia's largest
public infrastructure
project, with a plan to
fully offset all carbon
emissions

Texas Bullet Train

A new 240-mile HSR line
connecting Dallas and
Houston – the two largest
cities in Texas – in 90
minutes at speeds of up to
200 miles per hour