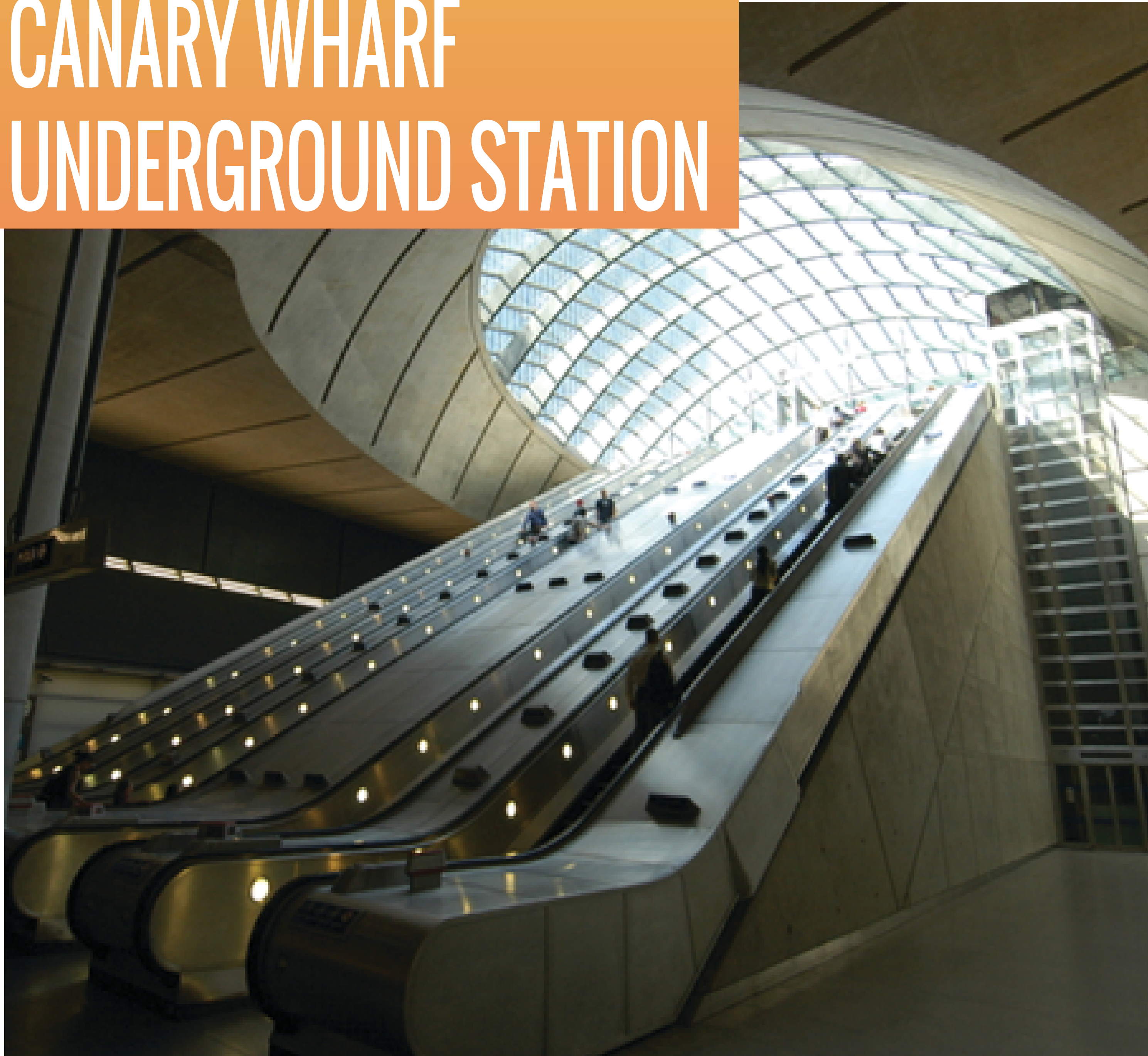


## MARINE AGGREGATES IN CONSTRUCTION

### CANARY WHARF UNDERGROUND STATION



Source: Transport for London

## BACKGROUND

Canary Wharf tube station is a London Underground station on the Jubilee Line, between Canada Water and North Greenwich. It was opened by Ken Livingstone setting an escalator in motion on 17 September 1999 as part of the Jubilee Line Extension. It is maintained by Tube Lines.

Over 40 million people pass through the station each year, making it not only the busiest station on the London Underground outside Central London but also the busiest that serves only a single line. (The DLR station is completely separate.)

## CONSTRUCTION NOTES

The tube station was intended from the start to be the showpiece of the Jubilee Line Extension, and the contract for its design was awarded in 1990 to the renowned architect Sir Norman Foster. It was constructed, by a Tarmac Construction / Bachy UK Joint Venture, in a drained arm of the former dock, using a simple "cut and cover" method to excavate an enormous pit 24 metres (78 ft) deep and 265 metres (869 ft) long.

Marine aggregates were used exclusively in the structural concrete and were supplied from a local marine aggregate wharf near Charlton on the River Thames.

### CONSTRUCTION CATEGORY

Structural concrete, visual concrete

### END USE CATEGORY

Built environment, transport infrastructure, leisure

## CASE STUDY 2

This case study forms part of a library of case studies demonstrating the successful use of marine aggregates in construction