Expedition is an award-winning civil and structural engineering design practice based in central London. We are the engineers behind many iconic projects from the London 2012 Velodrome to the Stavros Niarchos Foundation Cultural Center in Athens.

We are dedicated to bringing the same high-quality, creative engineering to projects of all shapes and sizes. The following pages showcase a selection of our smaller scale finely crafted projects, all of which have creative thinking, engineering and material technology at the heart of the design.

We believe in the value of working closely and collaboratively with architects, artists, private clients and contractors to deliver simple, practical and beautiful design solutions.

Our experience extends from residences, commercial developments and cultural installations to major infrastructure and masterplan projects in the UK and worldwide.
HOLMEWOOD
Marlow, Bucks

A private house and art gallery gracefully nestled into the surrounding Chiltern Hills

Architect – Robin Partington Architects

KING’S CROSS ROAD
London

Twenty-seven Housing Association flats realised on a challenging city-centre site of a former petrol station

Client – London & Regional Properties
Architect – Harper Downie
Two-storey penthouse apartment delicately perched atop a former Victorian warehouse in Shoreditch

Client – Zad Rogers & Lucy Musgrave
Architect – Tonkin Liu
THE GLASS HOUSE
Richmond, Surrey

Glass walls, green roof: a serene space for yoga and meditation in a private garden

Architect – JH Architecture

DENEWOOD ROAD
Highgate, London

A pioneering eco-home: one of the first private houses in the UK to be designed to Passivhaus standards

Architect – Robin Partington Architects
BERKELEY HOTEL
London

High-quality precision engineering: a finely tuned entrance structure in glass, carbon fibre and stainless steel

Client – Mayborne Hotel Group
Architect – Rogers Stirk Harbour + Partners

6 – 12 GEORGE STREET
Oxford, UK

Retained historic façade and refurbishment for new offices on a busy shopping street in Oxford

Client – OxAM
Architect – Project Orange
CENTRE POINT PLAZA
London

Expedition worked closely with specialist contractor Seele to push structural glass design and fabrication technology to achieve 14m long glass and stainless steel composite columns.

Two structural glass entrances drawing daylight into Tottenham Court Road station below.

Client – London Underground Limited
Architect – Stanton Williams
BREEAM Outstanding, environmentally intelligent headquarters with publicly accessible education facility for the WWF charitable foundation;
Open workplace enclosed by a 30m clear-span timber diagrid roof

The repetitive nature of the roof structure facilitates the off-site manufacture of a ‘kit of parts’ thereby reducing the on-site assembly time and material wastage.
CHALK FARM ROAD
London

A mixed-use retail and residential development opposite the historic Roundhouse in Camden Town

Client – London & Regional Properties
Architect – Harper Downie

STELLA McCARTNEY
Beijing, China

Bespoke aluminium façade creating a two-storey media wall enclosure for this high-end fashion retail flagship

Client – Stella McCartney
Designer – Moving Brands
Treating the sculpture as a fine piece of jewellery, the fixings to the tree and ring were carefully detailed to be as discreet as possible.

Ten six-metre diameter rings in bronze and stainless steel suspended from living trees
(We did the building in the background too)

Client – ODA
Artist – Ackroyd & Harvey
A nod to the 18th Century with a 21st Century take on a finely detailed horizontal cantilever staircase in pre-cast concrete and steel

Client – The Institution of Structural Engineers
Architect – Hugh Broughton Architects

Street scene enhancements at the base of the Monument including a glass visitors’ kiosk

Client – City of London
Architect – bere:architects
SHAKESPEARE’S NEW PLACE
Stratford upon Avon

A cast of characterful sculptures set in the Bard’s back garden.

Client – Shakespeare Birthplace Trust
Architect – Expedition and FCBS

STAGE BY THE SEA
Littlehampton’s East Beach

Listen to music in these acoustically optimised beach side shells.

Client – Littlehampton Town Council
Architect – Flanagan Lawrence

© Courtesy of Flanagan Lawrence
A SELECTION OF OUR OTHER PROJECTS

Olympic Velodrome, London
Architect – Hopkins Architects

Stavros Niarchos Foundation Cultural Center, Athens
Architect – Renzo Piano Building Workshop

Infinity Bridge, Stockton-on-Tees
Lead Designer – Expedition

Las Arenas Bullring, Barcelona
Architect – Rogers Stirk Harbour + Partners

PLACE/Ladywell Lewisham
Architect – Rogers Stirk Harbour + Partners
Engineer for Timber Contractor – SIS

55 Baker Street, London
Architect – Make

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Expedition is part of the Useful Simple Trust.
Useful Simple is an employee benefit trust.
Our aim is to blaze a trail in the ethical, integrated and intelligent provision of the human environment.
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