

ENTUITIVE



Toby Maclean MA CEng MIStructE
PRINCIPAL | UK DIRECTOR

Toby brings 25 years of experience to every project, through a career of diverse projects ranging from the UK's tallest sculpture, to high-end private residences, to acclaimed cultural institutions. His adaptable skillset and ability to blur the boundaries of other disciplines drives his practice of providing practical, yet technically sophisticated solutions. Toby founded TALL Engineers, an award winning engineering consultancy recognized for their achievements by the 2008 Lubetkin prize, numerous RIBA awards, and recognition at the prestigious Institution of Structural Engineers awards; the firm joined Entuitive in 2016.

Education

First Class Master's in Engineering, Cambridge University

Memberships

Institution of Structural Engineers

Awards

RIBA London Award, House in Epsom, 2012

RIBA London Award, Kilburn Grange Park Children's Centre and Adventure Playground, 2011

IstructE Structural Award, Community and Residential Structure, Casa Kiké private residence, 2008

RIBA Lubetkin Prize, Casa Kiké private residence, 2008

Stephen Lawrence Prize, Stirling Awards, House at Clonakilty, 2005

RIBA European Award, Casa da Música, 2007

IABSE UK Milne Medal, Shortlist, 2015

Emergence, Heathrow Airport, London, UK

Architect: Cinimod Studio

A 13m-tall carbon fibre and stainless steel sculpture incorporating 350,000 individually controlled LED lights to mimic the shoal behavior of fish. Installed as a centerpiece of the departures lounge at the new Heathrow Terminal 2.

Gainsborough Footbridge, UK

Architect: Houchell Studio

A preliminary design for a new cable-stayed foot and cycle bridge over the River Trent in Gainsborough, Lincolnshire. Its S-shape deck, which is rotationally symmetrical on plan around its midpoint, makes use of the ring girder principle to allow the deck to be supported by cables on one side of the deck only. Two masts are steeply inclined to optimize the angle of the cables to the ring girder deck.

House in Epsom, UK

Architect: Eldridge Smerin Architects

750m² in-situ concrete and structural glass private residence. Shortlisted for Structural Awards 2012. Winner of RIBA London Award.

Kilburn Grange Park Children's Centre and Adventure Playground, London, UK

Architect: Erect Architecture

A children's centre and adventure playground constructed from glulam timber, tree trunks and sawn softwood. Shortlisted for Structural Awards 2011. Winner of RIBA London Award.

Sherborne School Music Building, Sherborne, UK

Architect: ORMS

A new music teaching and performance building in reinforced concrete on a school campus situated in a very architecturally-sensitive area surrounded by prominent listed and ancient buildings. Shortlisted in the British Council for School Environments (BCSE) Best of British Schools Awards 2012 and winner of RIBA South West England Award.

Commercial

Brent North concrete gravity platform*, North Sea
Saffron House*, London, UK
SAGA Headquarters*, Folkestone, UK

Cultural

Bleigiessen sculpture, Wellcome Trust HQ*, London, UK
B of the Bang sculpture*, Manchester, UK
Casa da Música*, Porto, Portugal
Edinburgh Gates, Hyde Park*, London, UK
Emergence, Heathrow Airport, London, UK
Paperhouse*, various sites, London, UK
Sherborne School – new music school, Dorset, UK
Sitooterie II*, Essex, UK

Institutional

Admiral Lord Nelson School*, Hampshire, UK
Donald Danforth Plant and Science Center*, St. Louis, USA
Fukushima Convention Centre*, Fukushima, Japan

Residential

Ansty Plum, Dorset, UK
Casa Kiké, Costa Rica
Box House (Gingerbread House)*, London, UK
House at Clonakilty*, Cork, Ireland
House in Epsom, Epsom, UK
House of Trace*, London, UK
Japanese House*, Edinburgh, UK
Pink Sand Pavilion and Tower*, Harbour Island, Bahamas
Weir End* Middlesex, UK

Retail

Marks and Spencer*, London, UK
McQ Flagship Store, London, UK

Sports and Recreation

Kilburn Grange Park Children's Centre and Adventure Playground, London, UK
Timber Lodge, Queen Elizabeth Olympic Park, London, UK

Transportation

Gainsborough Footbridge, Gainsborough, UK
Rolling Bridge*, Paddington Basin, UK

* Project experience undertaken with previous firm