

2010

A CELEBRATION OF  
MOTT MACDONALD'S  
AWARD-WINNING  
PROJECTS AND  
PEOPLE

AWARDS



Mott MacDonald

# RECORD-BREAKING ACHIEVEMENT

AWARDS  
2010

For Mott MacDonald, 2010 was a record-breaking year for awards internationally – our people and projects received 120 accolades.

This outstanding peer recognition emphasises Mott MacDonald's status as a worldwide leader in multidisciplinary engineering, management and development consultancy.

As well as acknowledging the range and scale of our project work, these awards also recognise outstanding individual performance. They demonstrate the depth and breadth of our expertise, our capacity to innovate, and the value we bring to our clients' businesses.

Winning awards not only enhances our international standing. It also serves to reinforce the PRIDE values (Progress, Respect, Integrity, Drive and Excellence) on which our business is founded.

Owing to the high number received, we've not been able to include details of all the award winners in this publication. However, our congratulations go to everyone who won an award or worked on an award-winning project in 2010.

The pursuit of awards is a tremendous way of promoting our commitment to professional excellence, so thanks to everyone who took the time and made the effort to enter. We also extend our thanks to our customers for supporting us in entering the competitions for these awards.



**Keith Howells**  
Group chairman  
Mott MacDonald

06 EAST LONDON LINE, UK

**Mott MacDonald's record tally of transportation award wins in 2010 underscores our abilities in delivering excellence and success for our customers and our reputation for innovation and value that runs right across the road, rail, aviation and maritime sectors.**

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| <p>01 <b>A2 KINGSTON BRIDLEWAY BRIDGE, UK</b><br/>▶ Institution of Civil Engineers (ICE) Kent and East Sussex Awards – Overall Brassey Award</p> <p>02 <b>A3 HINDHEAD TUNNEL, UK</b><br/>▶ New Civil Engineer International Tunnelling Awards – Tunnelling Project<br/>£100 million-£1 billion</p> <p>03 <b>BEACON HILL STATION AND TUNNELS, USA</b><br/>▶ American Council of Engineering Companies (ACEC) National Engineering Excellence Awards – Grand Award<br/>▶ ACEC Washington Chapter Engineering Excellence Awards – Platinum Award<br/>▶ American Society of Civil Engineers (ASCE) Outstanding Civil Engineering Achievement Award – Finalist Award/Award of Merit</p> <p>04 <b>DELHI INTERNATIONAL AIRPORT, INDIA</b><br/>▶ British Construction Industry Awards (BCIA) – International Project<br/>▶ British Expertise International Awards – Major Consultancy Project of the Year, highly commended<br/>▶ Passenger Terminal World – New Terminal Build of the Year</p> <p>05 <b>DURBAN HARBOUR WIDENING, SOUTH AFRICA</b><br/>▶ South African Institution of Civil Engineering (SAICE) Durban Branch – Most Outstanding Civil Engineering Project</p> | <p>06 <b>EAST LONDON LINE, UK</b><br/>▶ BCIA – Regeneration Award</p> <p>07 <b>HEARTLAND CORRIDOR CLEARANCE IMPROVEMENT, USA</b><br/>▶ American Railway Engineering &amp; Maintenance-of-Way Association – Dr William W Hay Award for Excellence</p> <p>08 <b>KALLANG-PAYA LEBAR EXPRESSWAY, SINGAPORE</b><br/>▶ Building Construction Authority Construction Excellence Awards – Civil Engineering Project Award</p> <p>09 <b>MANCHESTER AIRPORT STATION 3RD PLATFORM, UK</b><br/>▶ ICE North West Merit Awards, highly commended</p> <p>10 <b>OLYMPIC LINE, CANADA</b><br/>▶ Light Rail Awards – Worldwide Project of the Year</p> <p>11 <b>PORT OF NGQURA, SOUTH AFRICA</b><br/>▶ SAICE National Awards – Most Outstanding Civil Engineering Achievement in Technical Excellence</p> |
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## TRANSPORT

12 **PRINCE OF WALES BRIDGE, UK**  
 ▶ ICE Thames Valley Engineering Excellence Awards – Engineering Achievement Award/Overall Engineering Excellence Award

13 **ROUTE 152/156, USA**  
 ▶ Construction Management Association of America Northern California Chapter – Project of the Year

14 **ROUTE 78 TRANSIT ROAD RECONSTRUCTION, USA**  
 ▶ American Public Works Association (APWA) Western New York Chapter – Large Transportation Project of the Year  
 ▶ APWA New York Chapter – State Large Transportation Project of the Year

15 **SEA-TO-SKY HIGHWAY IMPROVEMENT, CANADA**  
 ▶ ACEC National Engineering Excellence Awards – National Grand Award  
 ▶ ACEC New Jersey Chapter – Grand Honour Award  
 ▶ Design Build Institute of America Design-Build Excellence Awards – Transportation Project over US\$50 million

16 **SILVER JUBILEE BRIDGE, UK**  
 ▶ BCIA – Local Authority Award  
 ▶ Retrofit Awards – Infrastructure Award

17 **STORMWATER MANAGEMENT AND ROAD TUNNEL (SMART), MALAYSIA**  
 ▶ Road Engineering Association Malaysia – Engineering Excellence Award

18 **TRINEC BRIDGE, CZECH REPUBLIC**  
 ▶ Czech Republic Transport Infrastructure Awards – Best Project above CSK100 million/Best Designer above CSK100 million

19 **VICTORIA STATION UPGRADE, UK**  
 ▶ Be Inspired Awards – Innovation in Rail and Transit

20 **MIKEL ALONSO, UK**  
 ▶ Crossrail Awards – Outstanding Teamwork

21 **KEVIN BRIGGS, UK**  
 ▶ British Geotechnical Association – Cooling Prize

22 **ICE CHONG, HONG KONG**  
 ▶ ICE Hong Kong Association – Graduates and Students Paper Competition Award of Merit

23 **GLENN DUYVESTYN, USA**  
 ▶ North American Society for Trenchless Technology – Outstanding Paper Award

24 **DANIEL HARTMAN, USA**  
 ▶ Rhode Island Transportation Research Center – Best Transportation Thesis/Dissertation

25 **KENDALL KILPATRICK, USA**  
 ▶ ASCE Mobile Area – Outstanding Engineer Award

26 **JOHN MCGILL, CANADA**  
 ▶ Canadian Institute of Transportation Engineers – Robert Burton Distinguished Service Award

27 **RIZWAN MUZZAMMIL, SINGAPORE**  
 ▶ Tunnelling & Underground Construction Society of Singapore – Hulme Prize

28 **ALAN POWDERHAM, UK**  
 ▶ Royal Academy of Engineering – Sustained Achievement Award

29 **TONY RUSSELL, CANADA**  
 ▶ Transportation Association of Canada – Transportation Person of the Year  
 ▶ Canadian Urban Transit Association – Distinguished Service Award

30 **HOWARD TAYLOR, UK**  
 ▶ Ground Engineering Awards – Young Geotechnical/Geoenvironmental Engineer, highly commended

31 **ALINA TUERK, UK**  
 ▶ Transport Practitioners – Best Paper by a Young Practitioner

There was no precedent in India for completing a project as massive as Delhi International Airport in so little time. However, the 4.43km runway was built in 18 months and the 34 million passengers per annum terminal building was finished in 38 months.



## 04 DELHI INTERNATIONAL AIRPORT, INDIA

Mott MacDonald provided concept designs for the airport and was then hired by GMR Infrastructure to produce a 30 year airport master plan and preliminary designs, which we submitted within six months. Airfield design and construction achieved minimum environmental impact, while energy use and carbon emissions at the terminal building have been limited. Highly efficient operation is facilitated by state-of-the-art IT systems. Introducing these required a major change management programme so we provided training in modern working practices.

**British Construction Industry Awards**  
 International Project ◀

**Passenger Terminal World**  
 New Terminal Build of the Year ◀

**British Expertise International Awards**  
 Major Consultancy Project of the Year ◀  
 highly commended

**Success factors** One of the world's largest new-build airports was delivered in just 50 months. It integrates international and domestic services into a single, state-of-the-art building capable of dealing with 34 million passengers a year. It also features Asia's longest runway and the most advanced automated baggage system in India.

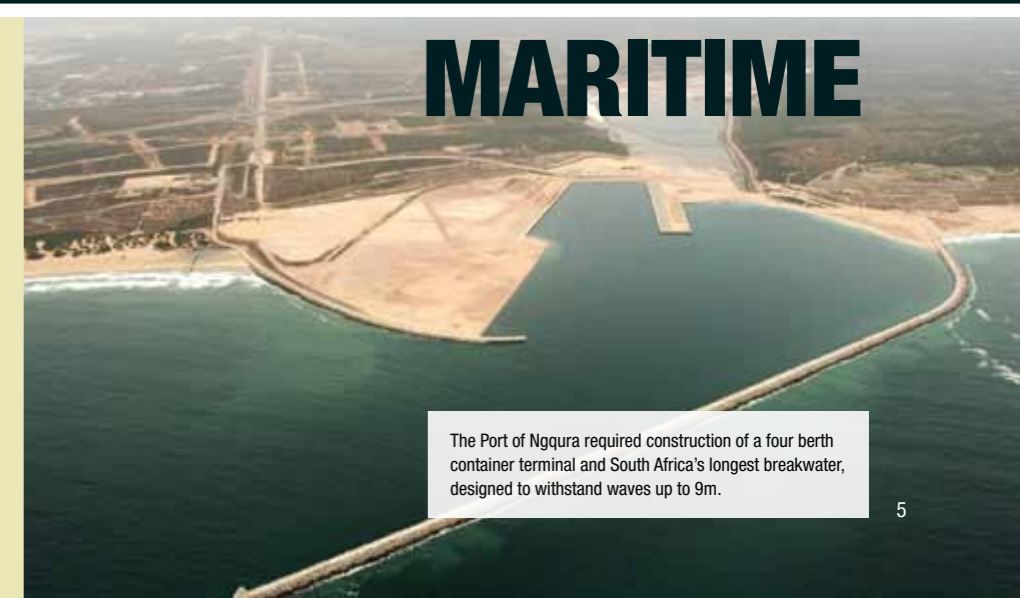
## 11 PORT OF NGQURA, SOUTH AFRICA

**South African Institution of Civil Engineering National Awards**  
 ▶ Most Outstanding Civil Engineering Achievement in Technical Excellence

The HMG joint venture comprising Mott MacDonald, Hatch Associates and Goba delivered the second phase of development at the port for infrastructure owner-operator Transnet. HMG provided feasibility study, environmental and

engineering, procurement and construction management (EPCM) services. The first phase had involved construction of the quay walls and breakwater.

**Success factors** Upgrading the Port of Ngqura was one of the largest infrastructure projects ever executed in South Africa. It is now capable of handling the latest generation of container ships and helping South Africa to position itself as a major trading nation. The project involved massive dredging works but still obtained full compliance scores on environmental audits.



The Port of Ngqura required construction of a four berth container terminal and South Africa's longest breakwater, designed to withstand waves up to 9m.

# BRIDGES



## 28 ALAN POWDERHAM CROYDON, UK

**Royal Academy of Engineering**  
 • Sustained Achievement Award

The award is presented to an engineer whose endeavours have had a profound impact on engineering. Over the last four decades Alan has pioneered use of the observational method in tunnelling and deep excavation, saving time and cost, and making a huge contribution to safety. His nomination was supported by Professor John Burland of Imperial College, who stated, "Alan's very significant contributions to engineering will guide the profession for many years to come."

**"Alan Powderham has brought engineering excellence to numerous projects setting new industry benchmarks in foundation engineering."**

Royal Academy of Engineering



## 31 ALINA TUERK CROYDON, UK

**Transport Practitioners**  
 • Best Paper by a Young Practitioner

Alina received the award for her paper 'The charging question – traffic impacts of the central London congestion charge and western extension'. Alina presented her paper at the 2010 Transport Practitioners Meeting. It was the first paper she had prepared for a conference. Alina received her award from HRH Princess Anne.

## 16 SILVER JUBILEE BRIDGE, RUNCORN, UK

Mott MacDonald devised the bridge's maintenance strategy for Halton Borough Council. Corrosion needed to be arrested and cathodic protection (CP) was the obvious solution, but conventional methods were technically impractical. We devised a highly innovative solution using a gel to provide electrical contact between CP anodes and the bridge deck. Gel and anodes are housed in 'cassettes' bolted to the deck.

**Success factors** Our innovative solution is cheaper, faster and safer to install than conventional CP and has pushed corrosion prevention technology to a new level.

### British Construction Industry Awards

► Local Authority Award

### Retrofit Awards

► Infrastructure Award

Innovative corrosion prevention technology has extended the life of the Silver Jubilee Bridge from an estimated 5-10 years to 25 years and beyond.

**"Smart use of technology and engineering on the Silver Jubilee Bridge has prevented massive disruption not only to the local area, but to communications throughout the whole region."**

Judges, British Construction Industry Awards

## 18 TRINEC-BALINY BRIDGE, SILESIA, CZECH REPUBLIC

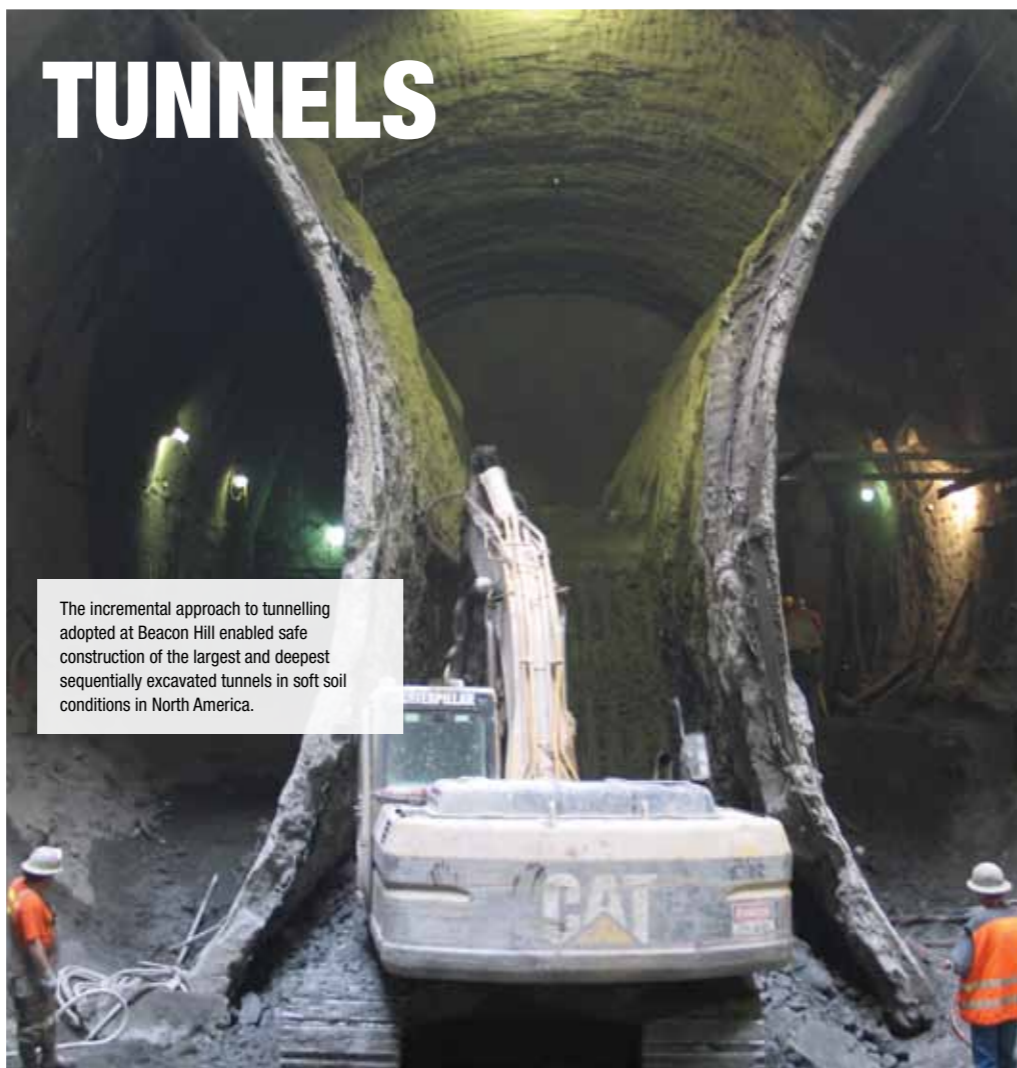
### Czech Republic Transport Infrastructure Awards

► Best Project above CSK100 million  
 ► Best Designer above CSK100 million

Mott MacDonald provided design services throughout the project – a flyover road bridge crossing a railway line and a road – for Sprava silnic Moravskoslezskeho kraje, the body responsible for highways in the Moravia region of the Czech Republic.

**Success factors** We created an innovative technical solution that involved designing a deck with a very narrow construction depth to deal with the limited space between the bridge and the passing clearance of the railway track.

# TUNNELS



The incremental approach to tunnelling adopted at Beacon Hill enabled safe construction of the largest and deepest sequentially excavated tunnels in soft soil conditions in North America.

## 03 BEACON HILL STATION AND TUNNELS, SEATTLE, WASHINGTON, USA

**American Council of Engineering Companies (ACEC) National Engineering Excellence Awards**  
 National Grand Award ◀

**ACEC Washington Chapter Engineering Excellence Awards**  
 Platinum Award ◀

**American Society of Civil Engineers National Outstanding Civil Engineering Achievement Award**  
 Award of Merit ◀  
 Finalist ◀

Hatch Mott MacDonald (HMM) was appointed by Sound Transit to provide overall project management and detailed design for Beacon Hill Station and tunnels – part of Seattle's 22.5km Central Link light rail line. HMM also provided design support during construction. At up to 18m wide and 60m deep, the concourse cavern was the largest and deepest to be excavated in soft soils in North America.

**Success factors** Ground conditions were very poor so we used the innovative 'side wall' technique. This provided a high degree of ground support and enabled safe construction. It also marked an advance in tunnelling technology as it was previously untried in North America. Judges at the ACEC National Engineering Excellence Awards described the design and construction as "groundbreaking engineering".

## 02 A3 HINDHEAD IMPROVEMENT SCHEME, HINDHEAD, UK

**New Civil Engineer International Tunnelling Awards**  
 ► Tunnelling Project £100 million-£1 billion

To remove a severe bottleneck on the A3 – a major UK highway – 6.5km of new dual carriageway road has been constructed. The surrounding area is highly protected so 1.8km of the highway runs through a twin bore tunnel. Mott MacDonald provided detailed design, site investigation and construction supervision services for contractor Balfour Beatty.

**Success factors** Tunnelling and earth moving were delivered without creating waste, minimised land take, enabled significant reductions in the use of virgin materials, and produced major improvements in worker safety.

# RAIL



The City of Brussels, Belgium, loaned two streetcars for Vancouver's Olympic Line. On the day of the Olympics opening ceremony the torch rode on the streetcar demonstration project.

## 10 OLYMPIC LINE, VANCOUVER, CANADA

### Light Rail Awards

- Worldwide Project of the Year

This demonstration project saw the temporary reintroduction of streetcars to Vancouver. The streetcars were free to the public over a 60 day period coinciding with the Winter Olympic and Paralympic Games. We carried out design and managed construction for the City of Vancouver.

**Success factors** The Olympic Line effectively demonstrated the efficiency of light rail and its value as an urban transport option. Daily rider numbers reached 20,000, providing hope that streetcars may be permanently reintroduced in Vancouver.

**“The East London Line is high quality, functional and appreciated by the public. Passenger response is exceptionally positive.”**

Judges, British Construction Industry Awards

## 06 EAST LONDON LINE, UK

### British Construction Industry Awards

- Regeneration Award

The old East London Line has been transformed into an efficient metro service. The benefits are being felt in six London boroughs and will extend to cover 22 over the next few years. Mott MacDonald developed the preliminary design, served as technical advisor and provided independent certification of works for London Overground for Phase 1 of the project, which came into service two months ahead of schedule. We're now serving as technical advisor for Phase 2.

**Success factors** The delivery team – which also included contractors Balfour Beatty and Carillion, and consultant Scott Wilson – worked well together to deliver a very complex project with evolving client requirements to a fast track programme.

## 19 VICTORIA STATION UPGRADE (VSU), LONDON, UK

### Be Inspired Awards

- Innovation in Rail and Transit

Mott MacDonald's building information modelling (BIM) work on the VSU for London Underground won this award at a competition organised by computer software manufacturer Bentley Systems.

**Success factors** The award recognised the BIM expertise of our technical staff and their comprehensive understanding of the software that facilitates BIM use. It also reflects our investment in and development of BIM on transport projects over the last five years.

## 09 MANCHESTER AIRPORT STATION, UK

### Institution of Civil Engineers

- North West Merit Awards, highly commended

A new platform was constructed within a constrained site adjacent to an operational railway in the centre of a busy airport road network. Mott MacDonald undertook the feasibility study and outline design, and acted as technical advisor for Network Rail. We developed an innovative bridge slide concept for a new bridge carrying a main airport road route over the new platform and track.

**Success factors** The new platform has enhanced operational flexibility by increasing platform capacity at the station. In spite of the challenges posed by the nature of the site, the platform was completed early and with minimal disruption to rail operations.



## 29 TONY RUSSELL MISSISSAUGA, ONTARIO, CANADA

### Transportation Association of Canada

- Transportation Person of the Year

### Canadian Urban Transit Association National Transit Employee Recognition

- Distinguished Service Award

These awards recognise an individual who has contributed to the advancement of the transportation industry and public transit. During his 38 year career, Tony has worked in Canada, Europe, Asia, Africa and South America. He was responsible for Hatch Mott MacDonald's operations in Ontario involving projects in all transport sectors.



## 21 KEVIN BRIGGS CROYDON, UK

### British Geotechnical Association

- Cooling Prize

This is the premier papers competition for young UK geotechnical engineers. Kevin's paper discussed the impact of climate on the stability of railway earthworks. The judges highlighted his "ability to communicate complex projects in limited time whilst being undaunted by learned questioning."

## 07 HEARTLAND CORRIDOR CLEARANCE IMPROVEMENT PROJECT, EASTERN USA

### American Railway Engineering & Maintenance-of-Way Association

- Dr William W Hay Award for Excellence

The project was implemented to enable double-stack container freight trains to use the Heartland Corridor rail route linking Virginia and Illinois. Hatch Mott MacDonald was appointed by Norfolk Southern Railway to provide engineering, design and construction support services.

**Success factors** Enabling double-stack container freight trains to use the Heartland Corridor will improve both railroad capacity and travel times. The creation of new facilities along the corridor will generate employment opportunities and reduce shipping costs.

Of 42 tunnels investigated as part of the Heartland Corridor clearance improvement project, 29 required improvements to enable them to meet the height clearance requirements of double-stack container freight trains.





**27 RIZWAN MUZZAMMIL  
SINGAPORE**

**Tunnelling & Underground  
Construction Society of Singapore**  
▶ Hulme Prize

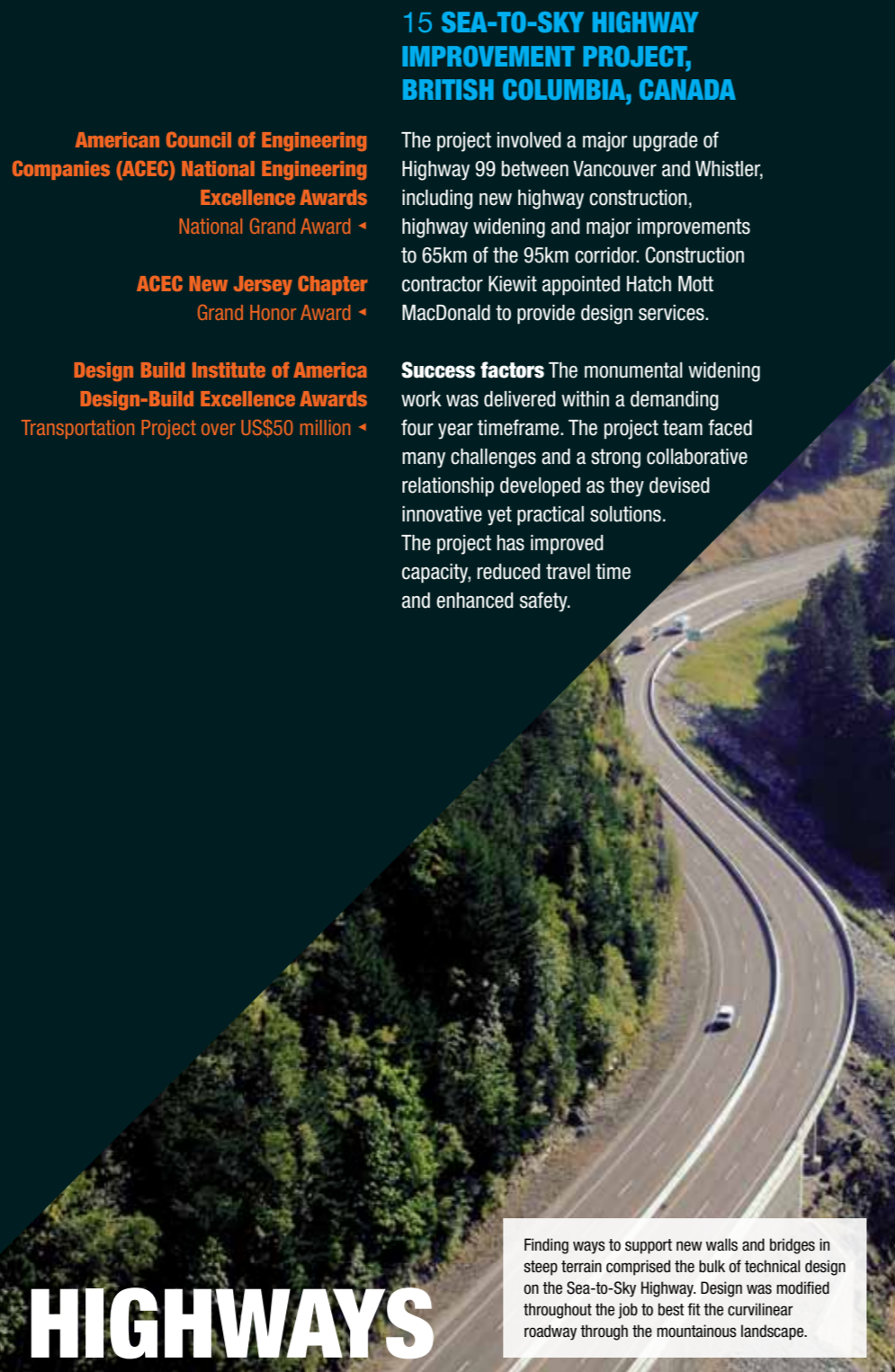
This prize recognises the best technical paper written by a young engineer on tunnelling and underground construction. Rizwan's paper introduced a new tool for quickly assessing damage caused by excavations to nearby buildings.



**25 KENDALL KILPATRICK  
MOBILE, ALABAMA, USA**

**American Society of Civil Engineers  
Mobile Branch**  
▶ Outstanding Engineer

Kendall – a highways specialist – was named Outstanding Engineer of the Year because, as the judges said, “he exemplifies excellence in his field and has given outstanding service to the engineering community.”



**15 SEA-TO-SKY HIGHWAY  
IMPROVEMENT PROJECT,  
BRITISH COLUMBIA, CANADA**

**American Council of Engineering  
Companies (ACEC) National Engineering  
Excellence Awards**  
National Grand Award ◀

**ACEC New Jersey Chapter**  
Grand Honor Award ◀

**Design Build Institute of America  
Design-Build Excellence Awards**  
Transportation Project over US\$50 million ◀

The project involved a major upgrade of Highway 99 between Vancouver and Whistler, including new highway construction, highway widening and major improvements to 65km of the 95km corridor. Construction contractor Kiewit appointed Hatch Mott MacDonald to provide design services.

**Success factors** The monumental widening work was delivered within a demanding four year timeframe. The project team faced many challenges and a strong collaborative relationship developed as they devised innovative yet practical solutions. The project has improved capacity, reduced travel time and enhanced safety.

Finding ways to support new walls and bridges in steep terrain comprised the bulk of technical design on the Sea-to-Sky Highway. Design was modified throughout the job to best fit the curvilinear roadway through the mountainous landscape.

**HIGHWAYS**

**13 ROUTE 152/156  
INTERCHANGE, SANTA CLARA  
COUNTY, CALIFORNIA, USA**

**Construction Management Association  
of America Northern California Chapter**  
▶ Project of the Year

The reconfiguration of the interchange was part of the Santa Clara Valley Transportation Authority's (VTA) 20 year Valley Transportation

Plan (VTP) – a long-term programme to address local highway needs. Hatch Mott MacDonald is providing services covering all aspects of the VTP for Santa Clara VTA.

**Success factors** The interchange was transformed from the most dangerous and congested in Santa Clara County into a safe, aesthetically pleasing interchange. We worked with three local authorities to deliver a project acceptable to them all.

AWARDS  
**2010**

**11 WING WATER SUPPLY PROJECT, UK**

**WATER**

**With global expertise encompassing every aspect of the water cycle, Mott MacDonald delivers outstanding projects and service, as the water sector awards we received in 2010 show.**

- 01 ARROWHEAD TUNNELS, USA**  
▶ American Society of Civil Engineers (ASCE) Outstanding Civil Engineering Achievement Award – Finalist Award/Award of Merit  
▶ Construction Management Association of America (CMAA) Southern California Chapter – Project of the Year  
▶ CMAA Construction Management Project Achievement Awards – Infrastructure Project with a Value Greater than US\$150 million  
▶ American Council of Engineering Companies (ACEC) California Chapter – Honour Award  
▶ ACEC National Engineering Excellence Awards – Finalist Award
- 02 ASHLU CREEK PROJECT, CANADA**  
▶ Consulting Engineers of British Columbia – Award of Merit
- 03 CULVERT REPLACEMENT & DREDGING, USA**  
▶ ACEC Massachusetts Chapter Engineering Excellence Awards – Silver Award
- 04 THE DORCHESTER SERVICE LINK, UK**  
▶ New Civil Engineer (NCE) International Tunnelling Awards – Tunnelling Project <£10 million, highly commended
- 05 LENIHAN DAM MODIFICATIONS, USA**  
▶ Associated General Contractors of America, Marvin M Black Excellence in Partnering Awards – Special Recognition  
▶ International Partnering Institute – Ruby Level Partnered Project of the Year  
▶ American Public Works Association, Silicon Valley Chapter – Project of the Year
- 06 MOTT MACDONALD BENTLEY, UK**  
▶ Yorkshire Water Partner Awards x4
- 07 NEWLAND COURT FLOOD RELIEF SCHEME, UK**  
▶ Institution of Civil Engineers (ICE), North East branch Robert Stephenson Awards – Project Under £4 million
- 08 THAMES WATER RING MAIN, UK**  
▶ ICE London Civil Engineering Awards – Special Award for Scale of Contribution to London
- 09 VALLEY BELT PUMP STATION, USA**  
▶ ACEC Ohio Chapter – Honour Award
- 10 WATER GOVERNANCE IN EASTERN EUROPE, THE CAUCASUS AND CENTRAL ASIA**  
▶ British Expertise International Awards – Consultancy Project of the Year
- 11 WING WATER SUPPLY PROJECT, UK**  
▶ Water Industry Achievement Awards – Partnership Initiative/Outstanding Innovation  
▶ Association for Consultancy & Engineering Excellence Awards – Infrastructure (Large Firm), highly commended
- 12 MATT LEACH, UK**  
▶ ICE East of England – Graduate and Student Papers Competition
- 13 BOB MAINBERGER, USA**  
▶ Jersey Shore Partnership – Outstanding Partnership Award
- 14 DAN TODER, USA**  
▶ New Jersey Water Environment Association – Professional Advancement for Hazardous Waste Management Award

## 06 MOTT MACDONALD BENTLEY (MMB), YORKSHIRE, UK

### Yorkshire Water Partner Awards

- ▶ Chief Executive's Award
- ▶ Health and Safety Award
- ▶ Value+ Award
- ▶ People+ Award

MMB – our joint venture with contractor JN Bentley – won three of the nine categories at the Yorkshire Water (YW) Partner Awards. And – for the second consecutive year – we won the event's top trophy, the Chief Executive's Award.

**Success factors** YW recognised MMB as the best performing among their many partners – the one that's made the biggest contribution towards helping them achieve their vision of being the UK's best water company. YW also acknowledged MMB's safety record – which over five years saw more than 1 million hours worked on over 300 projects without a single reportable injury – our development of young professionals and our commitment to teambuilding.

## 01 ARROWHEAD TUNNELS, CALIFORNIA, USA

**American Society of Civil Engineers National Outstanding Civil Engineering Achievement Award**  
Award of Merit ◀  
Finalist ◀

**Construction Management Association of America (CMAA) Construction Management Project Achievement Awards**  
Infrastructure Project with a Value > Greater than US\$150 million

**CMAA Southern California Chapter**  
Project of the Year ◀

**American Council of Engineering Companies (ACEC) California Chapter**  
Honour Award ◀

**ACEC National Engineering Excellence Awards**  
Finalist ◀

The two Arrowhead water supply tunnels total 13km and are part of the US\$1.2 billion, 70km Inland Feeder high capacity water conveyance system. Hatch Mott MacDonald (HMM) provided construction management, resident engineering inspection, contract administration and construction supervision for the Metropolitan Water District of Southern California.

**Success factors** Initially designed by another firm, an unsuccessful start saw a tunnel flood and a tunnel boring machine (TBM) lost. HMM was appointed to devise a rescue strategy. This was implemented, the TBM recovered and the tunnel successfully delivered in spite of exceptionally challenging hydrological and geotechnical conditions that included negotiating the San Andreas Fault.

**“The Arrowhead tunnels highlight innovative and experienced approaches taken to solve engineering challenges.”**

Paul Meyer, executive director, ACEC California

The Arrowhead tunnels were excavated using state-of-the-art hard rock tunnel boring machines in ground conditions ranging from weathered rock to strong igneous and metamorphic rock.

**“Wing is a marvellous example of something that benefits both the community and the natural world.”**

Sir David Attenborough, naturalist and TV presenter

One of the lagoons constructed as part of the Wing project. These ensure that increased abstraction will not adversely affect Rutland Water's highly protected nature reserve.

## 11 WING WATER SUPPLY PROJECT, RUTLAND, UK

### Water Industry Achievement Awards

- ▶ Partnership Initiative of the Year
- ▶ Outstanding Innovation

### Association for Consultancy & Engineering Excellence Awards

- ▶ Infrastructure (Large Firm), highly commended

This major project required the abstraction, treatment and transmission of 25% more water from Rutland Water Reservoir in order to develop its full resource potential. This involved a 90 million litres per day water treatment works and three pumping stations, 41km of pipeline and four lagoons providing 85ha of new wetland habitat.

Mott MacDonald was appointed as programme manager and drove acceptance of an innovative

pain/gain-share commercial model that also involved client Anglian Water and contractors GallifordTry/Imtech, JN Bentley and Carillion.

**Success factors** The highly collaborative relationships that developed led to the efficient sharing of work, effective risk management and a rigorous approach to safety performance. A 17% reduction in the initial project cost was achieved via the team's technical and commercial innovations.

**“London’s water supply will be even better, giving greater certainty and resilience, using less energy and extending both its usefulness and its sustainability ... the skill involved is to be commended.”**

ICE London judges

### 08 THAMES WATER RING MAIN, LONDON, UK

**Institution of Civil Engineers (ICE) London Civil Engineering Awards**

- ▶ Special Award for Scale of Contribution to London

Mott MacDonald was client's engineer for Thames Water for the £95 million extension of the 80km Ring Main, which transfers bulk drinking water around London. Nearly 10km of deep tunnels and four large pump-out shafts have increased the Ring Main's 1100 million litres per day (MI/d) capacity by 500MI/d.

**Success factors** The extension provides maximum operational flexibility while allowing

for future extensions. Construction avoided disruption to the surroundings and the environment. The tunnels were dug under some of the busiest, most densely populated areas of London with no major disruption to residents, amenities or transport.

### 09 VALLEY BELT PUMP STATION, CLEVELAND, OHIO, USA

**American Council of Engineering Companies Ohio Chapter**

- ▶ Honour Award

When the time came to fix the 30-year-old Valley Belt pump station, the Northeast Ohio Regional Sewer District decided to opt for a more sustainable solution. They appointed

Hatch Mott MacDonald to design a new gravity sewer to eliminate the pump station completely.

**Success factors** Thanks to our efforts the project was constructed for US\$1 million below budget and six weeks ahead of schedule – great examples of added value.

### 04 THE DORCHESTER SERVICE LINK, LONDON, UK

**New Civil Engineer (NCE) International Tunnelling Awards**

- ▶ Tunnelling Project <£10 million, highly commended

This tunnel was built to enable an innovative and cost-effective building services strategy

– utilising spare capacity in The Dorchester Hotel's water and power systems at a property 120m down the road being refurbished by client The Dorchester Collection. Mott MacDonald was reference designer and employer's representative. Major challenges included a tight 14 month delivery deadline, very cramped site conditions, minimising disruption to hotel operations and avoiding settlement damage.

**Success factors** Andy Churchill, chief engineer at The Dorchester, said: “From conception to completion all parties worked in unison, ensuring hotel business was not impacted. Constant communication and an understanding of what had to be achieved were key to success.”

**“The Dorchester Service Link demonstrates the value of traditional tunnelling skills. It is heroic stuff and the right solution.”**

Judges, NCE International Tunnelling Awards



### 14 DAN TODER FREEHOLD, NEW JERSEY, USA

**New Jersey Water Environment Association**

- ▶ Professional Advancement for Hazardous Waste Management Award

The New Jersey Water Environment Association is a non-profit educational organisation dedicated to preserving and enhancing the water environment. The award recognises Dan's efforts in promoting professionalism in hazardous waste management, a field where he has over 30 years' experience.



The triple award-winning Lenihan Dam outlet modifications involved the construction of a new water conduit that has greatly enhanced outlet capacity.

### 05 LENIHAN DAM OUTLET MODIFICATIONS, CALIFORNIA, USA

**Associated General Contractors of America Marvin M Black Excellence in Partnering Awards**  
Special Recognition Award ◀

**International Partnering Institute**  
Ruby Level Partnered Project of the Year ◀

**American Public Works Association Silicon Valley Chapter**  
Project of the Year ◀

The project – delivered by Hatch Mott MacDonald for the Santa Clara Valley Water District – involved construction of a 610m long tunnel to house a pipe creating a new water outlet conduit for the dam at Lexington Reservoir.

**Success factors** The modifications have enabled restrictions imposed due to the previous conduit buckling several times in recent years to be removed and has greatly enhanced outlet capacity.

### 02 ASHLU CREEK HYDROELECTRIC PROJECT, BRITISH COLUMBIA, CANADA

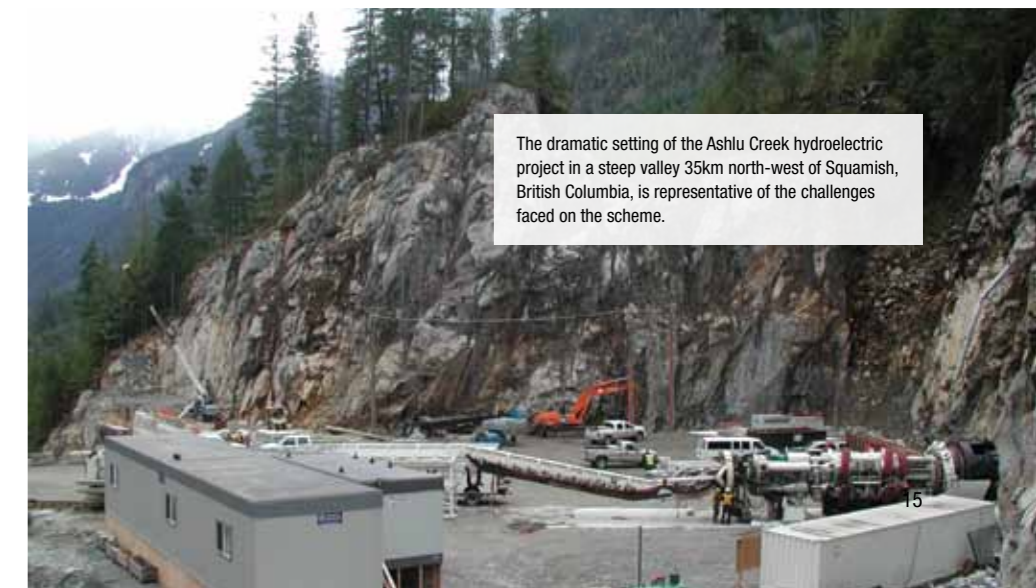
**Consulting Engineers of British Columbia**

- ▶ Award of Merit

Replacing a conventional surface penstock, Hatch Mott MacDonald designed a 4.4km water conduit tunnel for client Innergex Renewable Energy. This significantly reduced environmental impact on the Ashlu Creek river valley. Measures were put in place to protect aquatic life and an additional 60,000sq m of natural water habitat has been created.

Partnering and employment opportunities were created for the local Squamish Nation community and CA\$10 million of the project cost was directed towards the local economy.

**Success factors** As well as providing renewable energy to 24,000 homes, this hydroelectric project possesses outstanding green and social responsibility credentials.



The dramatic setting of the Ashlu Creek hydroelectric project in a steep valley 35km north-west of Squamish, British Columbia, is representative of the challenges faced on the scheme.



**“We have appreciated the professionalism with which the experts at Mott MacDonald have implemented this challenging project in a region where the water sector is a constantly moving target.”**  
The European Commission

The 2285km Dnieper River runs through both Belarus and Ukraine, two of the countries covered by the EECCA water governance project.

## 10 WATER GOVERNANCE IN EASTERN EUROPE, THE CAUCASUS AND CENTRAL ASIA (EECCA)

**British Expertise International Awards**  
► Consultancy Project of the Year

Mott MacDonald carried out pioneering water governance restructuring work in six EECCA countries. The project was funded by and delivered for the European Commission.

**Success factors** We helped governments to align water resource use and quality management with the European Union’s Water Framework Directive. With water becoming an increasingly significant political issue, this project’s success is important for future clients in the region.

**“The judges were impressed with efforts to minimise disruption and create amenity areas for local benefit. An innovative design solution maximised safety during construction and operation.”**  
Greg Lutton, chairman, ICE North East

## 07 NEWLAND COURT FLOOD RELIEF SCHEME, SOUTH SHIELDS, UK

**Institution of Civil Engineers (ICE) North East, Robert Stephenson Awards**  
► Project under £4 million

Newland Court residential estate was affected by severe flooding. Mott MacDonald devised a storage solution for Northumbrian Water. Computer modelling demonstrated that a tank capable of storing over 4.5 million litres of rainwater – equivalent to two Olympic size swimming pools – was required.

**Success factors** Disused land adjacent to Newland Court was used and both construction work and vehicle movements were minimised to reduce adverse impacts on the estate. Once construction was completed the land was reinstated for recreational use, adding a further benefit for the local community.



The tank designed for the Newland Court flood relief scheme is capable of holding 4.5 million litres of rainwater – equivalent to two Olympic size swimming pools. This will prevent a repeat of the severe flooding the estate has suffered in the past.

AWARDS  
2010

07 MANCHESTER JOINT HOSPITALS, UK

# BUILDINGS

**Awards spanning sustainability, international development, collaborative working, structural innovation and regeneration show the breadth of our contributions in the buildings sector.**

- 01 **BELFAST MODEL SCHOOL FOR GIRLS, NORTHERN IRELAND**  
► Construction Employers Federation Specify Construction Excellence Awards – Infrastructure: Education Award
- 02 **THE DARWIN CENTRE, UK**  
► Association for Consultancy & Engineering (ACE) Excellence Awards – Building Services (Large Firm) Award
- 03 **FORGE VALLEY COMMUNITY SCHOOL, UK**  
► Yorkshire & Humber Construction Best Practice Club – Value Award, highly commended
- 04 **THE HAUSER FORUM, UK**  
► Institution of Civil Engineers (ICE) East of England Merit Awards – Technical Excellence/Innovation (Projects over £2.5 million), commended
- 05 **KOUTULAI MILL, UGANDA**  
► ICE West Midlands Awards – Team Achievement Award and Overall Project Award  
► Institution of Structural Engineers (IStructE) Midland Counties Awards – Small Project Award
- 06 **KWAI CHUNG INCINERATION PLANT DECOMMISSIONING, HONG KONG**  
► The Lighthouse Club Safety Leadership Awards, highly commended
- 07 **MANCHESTER JOINT HOSPITALS, UK**  
► IStructE North West Structural Awards – Large Project Award
- 08 **MARSH ARAB SCHOOL, IRAQ**  
► British Expertise International Awards – Development Award
- 09 **MBOMBELA STADIUM, SOUTH AFRICA**  
► Southern African Institute of Steel Construction Steel Awards – Tubular Structures Award
- 10 **NEWCASTLE CITY LIBRARY, UK**  
► ACE Excellence Awards – Building Structures (Large Firm) Award  
► Public Private Finance Awards – Best Community/User Involvement in a Project Award
- 11 **PARK SQUARE MULTISTOREY CAR PARK, UK**  
► International Concrete Repair Institute Project Awards – Award of Merit
- 12 **SWALLOW HILL COMMUNITY COLLEGE, UK**  
► IStructE Yorkshire – Excellence in Structural Design
- 13 **2 ST PAUL’S PLACE, UK**  
► Sheffield Telegraph Environment Awards – Design and Build Award, highly commended
- 14 **PHOEBE BOINTON, UK**  
► New Civil Engineer Graduate Awards – highly commended
- 15 **KEVEN LE DOUJET, UK**  
► ICE London – Graduate Paper Competition
- 16 **DUNCAN SCOTT, UK**  
► ICE – Renee Redfern Hunt Memorial Prize

## 05 KOUTULAI MILL, UGANDA

**Institution of Civil Engineers (ICE)**  
**West Midlands Awards**  
 Team Achievement Award ◀  
 Overall Project Award ◀

**Institution of Structural Engineers**  
**Midland Counties Awards**  
 Small Project Award ◀

This cassava grinding mill in the village of Koutulai was delivered by the West Midlands group of Engineers for Overseas Development (EFOD). EFOD was established by Mott MacDonald's Ian Flower in 2001. The project has enabled a local community-based co-operative – the Koutulai Charity Farmers' Group – to become more self-sufficient as grinding the cassava adds to its value when sold at the local market.

**Success factors** More than 20 young members of EFOD from 13 different companies came together to design, raise funds for and supervise construction of the mill. Thanks to their efforts the mill was successfully completed within both its 12 week construction programme and £15,000 budget.



**“Koutulai Mill is a cracking example of good teamwork that epitomises what civil engineers can achieve. This scheme brought immediate, tangible benefit to a struggling community.”**

Judges, ICE West Midlands Awards

As well as supporting the local co-operative for which it was constructed, Koutulai Mill is processing crops at commercial rates to allow the co-operative to expand and further support the most disadvantaged members of the community.

## 02 THE DARWIN CENTRE, LONDON, UK

**Association for Consultancy & Engineering Excellence Awards**

▶ Building Services (Large Firm) Award

The Darwin Centre at the Natural History Museum, London, provides state-of-the-art storage facilities for one of the world's foremost scientific collections, 22 million irreplaceable insect and plant specimens. Mott MacDonald Fulcrum was sustainable building services designer for the Natural History Museum and worked closely with curators to establish optimum environmental conditions. The key to this

lay in creating suitable environments in terms of temperature and humidity while reducing energy use and emissions.

**Success factors** Pragmatism and innovative thinking have created an agenda-setting low energy solution that makes maximum use of the building's stabilising thermal mass, utilises spare capacity in existing heating and cooling systems, and recovers up to 75% of thermal and latent energy.

© Danielle Deutney

**“The Darwin Centre is a landmark new building that allows visitors to explore the natural world in an exciting and innovative way.”**

Dr Michael Dixon, director, Natural History Museum

The Darwin Centre is a workable, beautiful and highly sustainable building.

## 08 MARSH ARAB SCHOOL, BASRA, IRAQ

**British Expertise International Awards**

▶ Development Award

Through strong community relationships built up over several years, Mott MacDonald gained the support of local Marsh Arab community leaders to construct a new

school. With their input, we developed a design for the school that fused modern facilities and traditional building styles. The school has a concrete frame and brick and block built walls, but it's clad and roofed with reeds harvested from local marshes. Traditional techniques were used to make the building weather-tight and durable, and provide architectural decoration.

**Success factors** The school was built by Marsh Arab artisans and provided employment for over 100 local people. It has reconnected this marginalised section of Iraqi society with a lost cultural identity.

## 07 MANCHESTER JOINT HOSPITALS, UK

**Institution of Structural Engineers**  
**North West Structural Awards**

▶ Large Project Award

This is one of the largest health sector projects anywhere in Europe, bringing together five hospitals on a single city centre campus. Mott MacDonald provided structural, civil and geotechnical engineering design for Central Manchester University Hospitals NHS Foundation Trust and Catalyst Healthcare.

**Success factors** Our structural solution allows for easy adaptation over the hospital's 60 year design life. Establishing zones where services could be routed accelerated structural design and minimised the number of changes. Our design limited noise and

vibration while maximising construction speed and safety. This enabled the huge and complex project to be constructed with minimum interruption to existing healthcare provision for 1 million patients per year.



The 122,000sq m Manchester Joint Hospitals campus provides facilities for 700 staff and rooms for 4500 patients.

# URBAN DEVELOPMENT

**Association for Consultancy & Engineering Excellence Awards**  
Building Structures (Large Firm) Award ◀

**Public Private Finance Awards**  
Best Community/User Involvement ◀  
in a Project Award

## 10 NEWCASTLE CITY LIBRARY, UK

As part of the Kajima Consortium, Mott MacDonald provided civil and structural engineering services for Newcastle City Council (NCC). The new library occupies the same footprint as the 1960s library it replaced. Mott MacDonald carried out site investigations using innovative geotechnical software developed in-house. These showed that the existing foundations of the old library could be reused. This avoided the costly delay that would have resulted from sinking

new foundations and reduced the amount of embodied carbon in the new library.

**Success factors** A close working partnership including the client was established from the outset. The design proposals were developed through extensive consultation with NCC, the local community and library user groups to create a library that is not only sustainable, but also fully accessible and inclusive.

**“The library has exceeded expectations. We’re very pleased indeed and getting a consistent message of customer and stakeholder delight with the whole building.”**

Tony Durcan, NCC



Newcastle City Library meets the client’s desire for a high quality civic building and has established itself as a model for 21st century library facilities.

© Tim Crocker

## 12 SWALLOW HILL COMMUNITY COLLEGE, LEEDS, UK

**Institution of Structural Engineers Yorkshire**

▶ Excellence in Structural Design Award

Mott MacDonald provided structural and building services engineering for Interserve Project Services and Leeds Local Education Partnership. Our structural designs integrated future flexibility and provided simplicity of form. 3D design and drafting allowed for changes to be readily accommodated and maximised co-ordination of the structure with the architectural layout.

**Success factors** The judges complimented the “neat, logical and efficient structural solution that contributes significantly to the success of this attractive building. The structural engineer has produced a well-balanced, cost-effective, sustainable solution. A prime example of the integrated design process.”

## 01 BELFAST MODEL SCHOOL FOR GIRLS, NORTHERN IRELAND

**Construction Employers Federation Specify Construction Excellence Awards**

▶ Infrastructure Education Award

Delivered as part of the Belfast Schools Strategic Partnership, many of the school’s facilities have also been made available to the local community. The school appeared in the latest Infrastructure 100 – a global roll-call of outstanding infrastructure projects published in Infrastructure Journal. Mott MacDonald provided civil and structural engineering design services for the construction contractors.

**Success factors** The judges commented that the school was, “constructed to the highest level of build quality, built on time and on budget, and the perfect illustration of the high level of provision delivered under the Belfast Schools Strategic Partnership. This is truly a school for the community and for the future.”



## 16 DUNCAN SCOTT GLASGOW, UK

**Institution of Civil Engineers**

▶ Renee Redfern Hunt Memorial Prize

Duncan won this prize for producing the best written assignment in the spring 2010 ICE Professional Review session. The topic he was set – ‘Discuss the social and environmental aspects of different non-fossil fuel energy options’ – led him to explore the lifecycle of various renewable and nuclear generation technologies from development to decommissioning.

**Mott MacDonald is engaged in all aspects of urban regeneration from sustainability master planning to infrastructure design and communal energy systems. We have all the skills needed to deliver integrated, sustainable urban development – as the following awards illustrate.**

- 01 **LIFE (LONG-TERM INITIATIVES FOR FLOOD RISK ENVIRONMENTS), UK**
  - ▶ International Urban Landscape Awards – Bronze Award
- 02 **MINTO RENEWAL PROJECT, AUSTRALIA**
  - ▶ Urban Development Institute of Australia New South Wales Awards for Excellence – Affordable Development Award
  - ▶ Urban Task Force Development Excellence Awards – Affordable Housing Award
- 03 **MOUNT VERNON SCHOOL PLAYGROUND, USA**
  - ▶ New Jersey Recreation & Park Association – Excellence in Design Award
- 04 **NAT TURNER PARK, USA**
  - ▶ American Council of Engineering Companies New Jersey Chapter – Distinguished Award
- 05 **ROUSE HILL TOWN CENTRE, AUSTRALIA**
  - ▶ Urban Land Institute – Global Award for Excellence

**02 MINTO RENEWAL PROJECT, SYDNEY, AUSTRALIA**

**Urban Development Institute of Australia New South Wales Awards for Excellence**

- Affordable Development Award

**Urban Task Force Development Excellence Awards**

- Affordable Housing Award

The project involves the redevelopment of over 1000 properties, creating recreation amenities and a community centre, and heritage conservation. Mott MacDonald Hughes Trueman provided project management, infrastructure planning, design, cost planning and water cycle management for client Landcom.

**Success factors** Extensive co-ordination and management of specialist consultants and liaison with government authorities has kept the project on programme. Considerable community consultation has made project planning sensitive to the social and cultural needs of the local area.

**04 NAT TURNER PARK, NEWARK, NEW JERSEY, USA**

**American Council of Engineering Companies New Jersey Chapter**

- Distinguished Award

Hatch Mott MacDonald (HMM) was appointed by the Trust for Public Land to provide design and construction administration services for this new addition to the City of Newark parks system. Working with the Trust and the New Jersey Department of Environmental Protection, HMM took a vacant brownfield site and created a new park for the local community.

**Success factors** The park has created a sense of pride in the community. Sustainable practices were integral to the design. Nearly 200 trees and many plant species are helping to improve the microclimate. Reuse of fill material kept 23,000cu m of material out of landfills, reducing truck trips.

**01 Life (LONG-TERM INITIATIVES FOR FLOOD RISK ENVIRONMENTS), UK**

**International Urban Landscape Awards**

- Bronze Award

Life offers a sustainable approach to residential development that integrates measures to reduce flood risk and adapt to climate change. Mott MacDonald Fulcrum is working on the project with Baca Architects at three case study sites in the UK.

**Success factors** Life represents a complete shift in thinking by allowing water onto sites in a controlled and predetermined manner. This innovative, non-defensive approach to flood risk management should improve our future ability to manage and cope with floods.



02 ENGLISH IN ACTION, BANGLADESH



# PROJECT MANAGEMENT

**Mott MacDonald's specialist management services cover the entire lifecycle of a project or programme from inception to implementation. Our ability to drive the whole process has been recognised in the prestigious awards we won in 2010.**

- 01 **ASSOCIATION FOR PROJECT MANAGEMENT AWARDS, UK**
  - Project Management Company of the Year
- 02 **ENGLISH IN ACTION, BANGLADESH**
  - National E-content and ICT for Development Awards – E-learning and Education Award
  - The Tech Awards – Microsoft Education Award Laureate
- 03 **PUBLIC PRIVATE FINANCE AWARDS, UK**
  - Best Technical Adviser
- 04 **INFRASTRUCTURE JOURNAL AWARDS, UK**
  - Technical Adviser of the Year

**05 ROUSE HILL TOWN CENTRE, SYDNEY, AUSTRALIA**

**Urban Land Institute (ULI)**

- Global Award for Excellence

This mixed use development combines the commercial requirements of a large regional shopping centre with the community-friendly atmosphere and spaciousness of an established town centre. Mott MacDonald Hughes Trueman – with SCP Consulting – undertook complete structural design for Bovis Lend Lease. This is the sixth award Rouse Hill has won over the last three years.

**Success factors** The ULI praised Rouse Hill as an ecologically conscious development that incorporates sustainable design, great architecture and active public spaces to deliver an authentic Australian town centre.

**“Rouse Hill is proof that great development projects are still being executed globally. It captures the spirit of the local community while maintaining elegance and originality.”**

Urban Land Institute

Rouse Hill Town Centre includes 65,000sq m of retail space, 2800sq m of office space, 200 apartments, a school precinct, community library, restaurants and a multiplex cinema.

## 01 ASSOCIATION FOR PROJECT MANAGEMENT (APM) AWARDS

### ► Project Management Company of the Year

The APM Awards are the most prestigious in the UK project management sector, recognising world class project and programme management. The APM is the largest independent professional body of its kind in Europe and has a widely recognised development and qualification programme in which Mott MacDonald participates.

**Success factors** The APM recognised Mott MacDonald's commitment to project management professionalism and that we stand out as an exemplar in the development of project management professionals.

The rigorous entry process also acknowledged our outstanding ability to rise to challenges,

tenacity in the face of obstacles and flair in documenting work.

Projects contributing to our APM Awards success included our leading role in the National Grid Pan-Alliance Risk User Group. We're working with 15 partner companies in six alliances, aligning their risk cultures into a single process. We're also developing and streamlining methods and encouraging knowledge sharing on lessons learned in risk management.

**“Mott MacDonald continually seeks to develop its processes in order to solve existing challenges and provide the means to tackle new ones.”**

Association for Project Management

## 02 ENGLISH IN ACTION, BANGLADESH

### National E-content and ICT for Development Awards

- E-learning and Education Award

### The Tech Awards

- Microsoft Education Award Laureate

English is rapidly becoming the global language of business. The Government of Bangladesh asked the UK Department for International Development (DFID) for help to equip people with vocational English skills as a means of promoting economic and social development.

DFID appointed Mott MacDonald as programme manager for the English in Action programme (EIA) and we are working with the BBC World Service, the Open University, Friends in Village Development and the Underprivileged Children's Educational Programme to deliver it.

**Success factors** EIA involves the highly inventive application of technology to achieve humanitarian goals, using mobile phones, the internet and television to teach vocational English to 25 million of Bangladesh's poorest people.

## 03 PUBLIC PRIVATE FINANCE AWARDS

### ► Best Technical Adviser

Mott MacDonald's private finance initiative/public private partnerships (PFI/PPP) advisory team claimed this prestigious title for the fifth time in six years – and the fourth consecutive year – at the biggest annual event in the UK PPP industry. This reflects our outstanding contribution to the forward progress of PPPs and confirms our commanding position in this sector.

**Success factors** The judges highlighted the 36 projects worldwide that we brought to financial close over a 12 month

period. The award recognised our leading position in the UK and – with projects in 33 countries – our international reach.

## 04 INFRASTRUCTURE JOURNAL (IJ) AWARDS

### ► Technical Adviser of the Year

Mott MacDonald received this award for the second consecutive year. It was the perfect accompaniment to our IJ ranking as the world's top public private partnership (PPP) technical adviser – also for the second year running.

**Success factors** We have continued to find financial solutions enabling projects to advance and giving reassurance to lenders, even in the face of increasingly risk-averse market conditions.

AWARDS  
2010

Consultants  
of the Year 2010

NCE



10 NCE/ACE INTERNATIONAL CONSULTANT OF THE YEAR

# CORPORATE

**Mott MacDonald's unrivalled breadth of skills, sectors, services and global reach are reflected in the corporate awards we received in 2010. These awards also demonstrate our commitment to innovation, the delivery of professional excellence for the benefit of our clients, and our goal to be the employer of choice across all our disciplines.**

- |  |   |
|--|---|
| 01 <b>ACQ COUNTRY AWARDS, CZECH REPUBLIC</b><br>► Business Advisory Firm of the Year   | 08 <b>LONDON EXCELLENCE AWARDS</b><br>► Innovation and Learning Award   |
| 02 <b>AMERICAN SOCIETY OF CIVIL ENGINEERS COMMITTEE ON YOUNGER MEMBERS</b><br>► Employer Recognition Award (Birmingham and Westwood offices) | 09 <b>MAYOR OF LONDON'S RESPONSIBLE PROCUREMENT AWARDS</b><br>► Skills and Employment Award   |
| 03 <b>CONFEDERATION OF INDIAN INDUSTRY</b><br>► Safety, Health and Environment Award   | 10 <b>NEW CIVIL ENGINEER (NCE)/ASSOCIATION FOR CONSULTANCY &amp; ENGINEERING (ACE) CONSULTANTS OF THE YEAR AWARDS, UK</b><br>► International Consultant of the Year |
| 04 <b>CONSTRUCTION MANAGEMENT ASSOCIATION OF AMERICA SOUTHERN CALIFORNIA CHAPTER</b><br>► Gold Circle Member Firm of the Year                | 11 <b>SUNDAY TIMES BEST BIG COMPANIES TO WORK FOR, UK</b><br>► 8th place  |
| 05 <b>EDUCATION INVESTORS AWARDS, UK</b><br>► Consultants of the Year  | 12 <b>TOWNSHIP OF SECAUCUS, USA</b><br>► Fundamental role in the town's economic success  |
| 06 <b>GRADUATE DEVELOPMENT NETWORK, UK</b><br>► Innovation in the use of Online Development Tools and Tracking of Individual Progress        | 13 <b>KRISTEL BLACKBURN, UK</b><br>► NEBOSH Diploma – Overall Best Candidate and Unit B Best Candidate  |
| 07 <b>HONG KONG COUNCIL OF SOCIAL SERVICES</b><br>► Caring Company Award   |   |



**“Mott MacDonald is run on strong values. The firm gets top scores for making a real difference to the world and protecting the environment.”**  
 Sunday Times  
 Best Big Companies

### 11 SUNDAY TIMES TOP 25 BEST BIG COMPANIES

► **8th place**

For the third consecutive year Mott MacDonald was named one of the UK's top 10 employers. We were ranked 8th in 2010 and were the only firm of our kind to appear in the list.

**Success factors** The nature of our work and its challenges, good pay and benefits, extensive training and strong leadership have maintained high levels of engagement among our workforce.



Mott MacDonald staff collected the Sunday Times Best Big Companies trophy. Nearly 2000 of our UK staff were surveyed on topics ranging from management and leadership to personal growth and work/life balance.

### 10 NCE/ACE CONSULTANTS OF THE YEAR AWARDS

► **International Consultant of the Year**

The Consultants of the Year Awards recognise outstanding business performance by civil engineering consultancies across the UK. This is the third consecutive year that Mott MacDonald has won the prestigious International Consultant title.

**Success factors** NCE highlighted our global diversity and reach – with the UK now accounting for only a third of our business

– and our strong ethical stance. “Wherever it works Mott MacDonald is determined to adhere to the highest ethical standards.”

### 05 EDUCATION INVESTORS AWARDS

► **Consultants of the Year**

Mott MacDonald's specialist education consultancy business, Cambridge Education (CE), won this prestigious title.

**Success factors** CE has worked on 22 Building Schools for the Future schemes

and 25 Academy projects, providing education, ICT, partnering and procurement advice. CE has also developed innovative tools and practices to support educational transformation and provide value for money.

### 06 GRADUATE DEVELOPMENT NETWORK

► **Innovation in the use of Online Development Tools and Tracking of Individual Progress**

Our online graduate development portal, upGRADE, won the award, overcoming

competition from the likes of HSBC, BT and Barclays. All of our UK graduate staff, technical and non technical, use upGRADE to track their development and join Mott MacDonald accredited schemes. It offers tools to help graduates manage their professional development and contact other graduate colleagues around the globe.

**Success factors** In less than a year upGRADE has transformed our relationships with the UK engineering institutions and is projected to save in excess of £100,000 of managers' time each year.

### 03 CONFEDERATION OF INDIAN INDUSTRY

► **Safety, Health and Environment Award**

The award celebrates exemplary commitment to environmental responsibility and the health and safety of employees and society.

**Success factors** The judges recognised our achievement in continually advancing safety, health and environmental performance.



### 13 KRISTEL BLACKBURN CROYDON, UK

**National Examination Board in Occupational Safety and Health (NEBOSH) Diploma**

► Overall Best Candidate and Unit B Best Candidate

Being named Overall Best Candidate means that out of the 1600 individuals undertaking the NEBOSH diploma at that time, Kristel obtained the highest mark overall. Unit B covered hazardous agents in the workplace. The Best Candidate prize acknowledged her outstanding work in this area. In 2009 Kristel also obtained the Best Candidate prize for Unit A, which covered managing health and safety.

Gaining the NEBOSH diploma is an achievement in itself, but the special recognition Kristel won for her exceptional performance is a great demonstration of professional excellence.



Mott MacDonald's trainees enrolled on the three year civil engineering apprenticeship in September 2010. The Mott MacDonald-led programme has been welcomed by John Hayes – UK Minister for Further Education, Skills and Lifelong Learning – the Engineering Council and the Confederation of British Industry.

### 09 MAYOR OF LONDON'S RESPONSIBLE PROCUREMENT AWARDS

► **Skills and Employment Award**

Mott MacDonald led a consortium that has launched the UK's first advanced apprenticeship in civil engineering. Our initiative ties in with the Mayor of London's objective of creating vocational opportunities in the UK capital.

**Success factors** The judges commented that: “Mott MacDonald has displayed genuine innovation and sector leadership in driving forward an approach that has seen six industry competitors collaborating with public sector partners to open up a pioneering route into the engineering industry.”

### 08 LONDON EXCELLENCE AWARDS

► **Innovation and Learning Award**

The award recognises Mott MacDonald's constant pursuit of efficiency, value and excellence as demonstrated through our innovative projects and development of our people.

**Success factors** The judges said: “Mott MacDonald is very clear that innovation is a central tenet of its business philosophy. It is ingrained in their business culture and this is evident in their leadership and the way they manage and develop their staff.”

**“A continuing tradition of innovation and learning clearly contributes significantly to Mott MacDonald's outstanding reputation with their clients.”**  
 Judges, London Excellence Awards

INSTITUTION OF CIVIL ENGINEERS (ICE) KE  
EAST SUSSEX AWARDS  
INTERNATIONAL TUNNELLING AWARDS  
OF ENGINEERING COMPANIES (ACEC) N  
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AMERICAN  
APWA NE  
ACEC  
WEXC

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