

## Major Consultancy Project of the Year **2010/11 Finalists**

### Halcrow



#### Yas Island Primary Infrastructure, UAE

Yas Island, just off the coast of Abu Dhabi, is being transformed into a tourism leisure destination and home for 100,000 people.

The major undertaking to complete enough work in time for its first Grand Prix in November 2009 was achieved thanks to the dedication of those involved, their quick thinking and good planning.

Halcrow provided a combination of planning, design and construction supervision for the development including roads and bridges, major utility networks and structures, 144-berth and 1,100-berth marinas and a 1.1km-long tunnel.

Halcrow also prepared the transport plan for race day at the Yas Marina Circuit on 1 November 2009.



### Mott MacDonald



#### Delhi International Airport, India

Delhi International Airport comprises a 35 million passenger capacity combined international and domestic terminal building, built in 38 months, and a 4.43km runway, built in 14 months.

Starting from scratch, the whole project was completed in four years - a feat many considered impossible when work started as India has no track record in delivering projects of this scale and complexity to such demanding timescales.

The airport will enable Delhi to compete with international hub airports, with potentially major benefits for the Indian capital's economy. Mott MacDonald was responsible for scoping and planning the whole project together with developing the design.



### Turner & Townsend



#### Programme Management of the Transformation of Dublin Airport, Ireland

In December 2005, Turner & Townsend were appointed as Programme Managers and entrusted with the challenge to Transform Dublin Airport into a facility that would meet the aspirations of a proud Irish nation. This prestigious development doubled the existing real estate, was delivered safely in a live airport environment whilst managing the demands of substantial passenger growth.

Turner & Townsend were able to deploy its significant experience gained from delivering major programmes such as Heathrow's Terminal 5 and King Shaka, Durban. Unique process, procedures and expertise combined to ensure the successful delivery of the first €1.2bn Phase of the Programme.



### URS/Scott Wilson



#### Erbil International Airport, Iraq

To support the future growth of the Kurdistan region of Iraq, its government has entirely funded the development of a new international commercial airport, opening up the region to investment, tourism and trade. The significance of this project is not to be underestimated given the history of invasion, war and recent liberation.

URS/Scott Wilson, working with a joint venture of Turkish contractors Makyol and Cengis, has designed a modern airport comprising some unique security features to satisfy the concerns inherent to Iraq.



## Consultancy Project of the Year **2010/11 Finalists**

### Farrer Consulting



#### Expansion & Rehabilitation of the Omdurman Water Supply System, Sudan

Omdurman is part of the largest conurbation in Sudan and is experiencing unprecedented levels of population growth due to migration of refugees from Darfur.

Farrer has made significant progress in satisfying the aspirations of the Millennium Development Goals in the country by optimising the performance of the water supply for an ever increasing population in Omdurman.

The success of this project is due to an innovative approach that will ensure a sustainable water supply in the region. Farrer is responsible for the implementation of its FNMS - Farrer Network Management System, which incorporates all aspects of water operational business in an integrated process.

In this way, capital and operational activities can be streamlined efficiently so that the maximum service level is achieved for greatest cost effectiveness. The FNMS includes data management, strategic investment planning, water efficiency, reduction of revenue losses and training of local engineers to guarantee sustainability of improved services after the project completion.



### Mott MacDonald



#### Water Governance in Western EECCA Countries

In March 2008 the European Commission (EC) EuropeAid Co-operation Office awarded a two year, €2.1 million technical assistance contract to a consortium led by Mott MacDonald with the aim of improving water legislation in six western countries in the Eastern Europe, Caucasus and Central Asia (EECCA) region - Ukraine, Moldova, Belarus, Georgia, Armenia and Azerbaijan.

Mott MacDonald worked with these six countries to enable them to adopt an integrated approach to water resource and water quality management. The project marked a very important step in aligning water management in these countries with the Water Framework Directive (WFD).



### Pell Frischmann and HOK



#### Bucharest Historic Zone, Romania

The project focuses on regenerating the historic centre of Bucharest through a pilot area. The multiple and often opposing stakeholder objectives, limited budget and differing recommendations of parallel studies, made this an extremely complex brief.

We were able to sensibly prioritise the key elements that were central to all stakeholders and would catalyse the regeneration. Challenges of pedestrianisation, balancing land uses, upgrading buildings and streetscape and creating effective design guidelines were resolved innovatively and sensibly.

The regeneration project has become an exemplar that has successfully balanced the economic realities and historic heritage of the centre while satisfying stakeholder objectives.



### URS/Scott Wilson



#### Feasibility Study for the Development of the Eight Lane Expressway, Uttar Pradesh, India

A planned project to construct a major new eight lane expressway from Delhi to Uttarakhand in India involves so much more than building a road. The proposed alignment follows the route of the Upper Ganga Canal, nearly 300 miles of canal originally built in the 1850s that provides irrigation for land across ten different districts.

URS/Scott Wilson was appointed to prepare a feasibility report to provide a technically and financially viable solution that would not only incorporate all of the very different elements of the project but also address any environmental and social concerns.



### URS/Scott Wilson



#### WUXI Integrated Transportation Hub, China

The new Wuxi Integrated Transportation Hub is the second largest development of its kind in China and is an important step in connecting Wuxi with Shanghai to aid economic development in the region.

URS/Scott Wilson was appointed to project manage the delivery of this high profile development, coordinating and planning its design and construction which involved working with over 18 different contractors, design consultants and suppliers all meeting the client's tight timescale.

Phase 1 of the project was completed in just one year ready for the opening of the new high-speed line from Shanghai to Nanjing which was scheduled to stop at the hub.



## Environmental Impact Award **2010/11 Finalists**

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### URS/Scott Wilson

Changi Airport Environmental Study, Singapore

**URS**



Airport environmental management and supporting policies and strategies are becoming an increasing focus. In Singapore, their Green Plan 2012 and Sustainable Blueprint 2030 set out the framework and strategy that has implications for a nation that hosts the world's sixth busiest international airport.

URS/Scott Wilson's role involved conducting a 9-month study to establish the airport's current environmental performance to inform a strategy that will strike a balance between the environmental operations and the social and economic benefits to Singapore. Since the study completed, Changi Airport won the 'Best Green Service Provider at the Asian Freight and Supply Chain Awards 2010'.



### WYG International Ltd

Water Governance in Central Asia (CAWG)

WYG International part of the WYG group



This project addressed the crucial issues of water governance and environmental protection across Central Asia. The project was aimed at reducing pollution and encouraging fair sharing and effective use of water resources along trans-boundary rivers, critical to the preservation of the region's natural environment.

The project introduced changes to national legislations, developed and tested a regional water quality standards system and set regional environmental objectives in water management. It has laid a firm and sustainable foundation for better management of water availability and quality for the benefit for all stakeholders and nationalities in this topographically and politically complex region.



## Young Consultant of the Year **2010/11 Finalists**

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### Saeed Alabbar

Halcrow

Saeed, at the age of 26, is experienced beyond his years. His passion for sustainability and affecting change in the UAE drives his career.

With an aim to become a thought leader on these areas Saeed is working towards this at an alarming rate, with many offers for him to speak at various conferences and being asked to project manage the design and fit-out of the Emirates Green Building Council headquarters.

Eager to progress his skills, even his extra curricular activities work to strengthen and develop his leadership skills. There is no question that this individual is one to watch!



### Steven Perry

Farrer Consulting

Between 2006 and 2010, Farrer Consulting and its parent company Biwater, enjoyed considerable success implementing improvements to and expanding the service coverage of potable water to the residents of Tamale, a rapidly urbanising city in Northern Ghana.

At 24, Steven Perry was a fundamental part of the capacity building delivery team and was primarily responsible for the technical knowledge transfer to key local operating company personnel. That he succeeded in winning the respect of and invigorating the initially sceptical locals, as he instilled new operating working procedures and ethos, is a testament to his skill, determination and professionalism. His outstanding contribution will ensure real sustainability of improvements to the water supply in Tamale, transforming the lives of its residents for many decades to come.



## Innovation Award **2010/11 Finalists**

### Kier Construction

Al-Jalamid Surface Phosphate Mine, Saudi Arabia



Kier Construction as a member of Saudi Comedat Construction Limited have completed the first phase of a project in Saudi Arabia to establish the infrastructure to operate the phosphate mining facility for ten years and beyond.

The major innovation is the development of an in house Learning and Development School to build a skilled and competent workforce.

In partnership with the Construction Skills Alliance, SCCL can provide the training, mentoring, assessment and verification with industry wide recognition by the award of a National Vocational Qualification. This is the first Construction Skills Alliance Approved Centre in the Kingdom of Saudi Arabia.



### Mott MacDonald

English in Action, Bangladesh



English in Action is a £50 million, nine year programme - now in its fourth year - aimed at teaching 25 million people - including many of the poorest in Bangladesh - vocational English. It is being led by Mott MacDonald, with project partners including the BBC World Service and the Open University.

Fluency in working English can play a major role in helping people escape from poverty. English in Action is breaking completely new ground in the ways people are engaged and content is transmitted, employing popular entertainment, mobile phones and iPods as teaching tools. In October 2010 it reaches a major milestone, with the launch of a new dual-language television drama Bishaash and national roll-out of new teacher training and learning materials to schools.



### Populous

The Centre Court Roof, Wimbledon, UK

**POPULOUS™**

The redevelopment of Centre Court at Wimbledon is a significant step forward in sport to ensure the best event experience possible.

Designing a sustainable closing roof over a grass tennis court with 15,000 spectators around a very tight site has been one of Populous' greatest challenges. We had to use all of our ingenuity and approach the issues in some very original ways. Virtually nothing could be done the way anyone had done it before.

Wimbledon now operates one of the most technologically advanced roof structures in the world.



### URS/Scott Wilson

Total Route Evaluation: A Strategy for Improved Utilisation of Trackbed Maintenance & Renewal Expenditure



Over the last decade URS/Scott Wilson has developed a methodology called Total Route Evaluation (TRE) for investigating the condition of railway infrastructure, specifically the engineered trackbed, which spreads rail vehicle loading across the underlying ground.

A recent case study from overseas relates to a heavily trafficked route of nearly 700km in length. The infrastructure is subject to a planned increase in axle load and traffic, so the effect on operations and maintenance needed to be understood in order to optimise key decisions related to improving the track asset.



## Sports, Leisure, Tourism Project of the Year **2010/11 Finalists**

### Halcrow Yolles



The Ledge at Skydeck Chicago, Willis Tower, USA

Halcrow Yolles has renovated Chicago's emblematic Willis Tower, formerly known as the Sears Tower; still the tallest skyscraper in the western hemisphere, 35 years after its completion.

The new Skydeck observation area - nicknamed The Ledge - features a series of all-glass observation boxes that extend 4.3 feet out from the existing tower wall.

The boxes are comprised of 3 x 0.5 inch thick glass panes, and have no structural steel framing elements used along the face, sides or floor of the box. This innovative structure provides unobstructed views of up to 50 miles and four states, including Chicago's cityscape and views straight down the tower, which stretches 1,353ft below.



### Hyder Consulting



Al Ain Wildlife Park & Resort, Abu Dhabi

Al Ain town rests within the capital of Abu Dhabi's mainland eastern region and neighbours the Oman border. This charming oasis town is green and tranquil making it the perfect destination. Nestling in the shade of Jebel Hafeet is Al Ain Wildlife Park and Resort (AWPR), a place for people to come and learn about arid land wildlife and conservation through vivid, firsthand experience.

AWPR's redevelopment will contain the largest man-made desert safari park in the Northern Hemisphere, incorporating hospitality, residential and mixed-use communities that are ingeniously integrated with wildlife. The team has embarked on remarkable sustainability and environmental efforts and extraordinary preservation techniques are being used to conserve desert animal and plant life.



### Populous

POPULOUS™

Aviva Stadium, Dublin, Ireland

The Aviva Stadium (previously called the New Stadium at Lansdowne Road) is the first truly site responsive stadium of its kind in the world. Its organic form, mass, materials and aspect are defined by the site and its surrounds. The site is the historic home of international rugby and football in Ireland where the first game of international rugby was played in 1876.

The result of a joint partnership between Populous and Scott Tallon Walker Architects, the stadium is a strong symbol for modern Ireland and will provide an international arena worthy to host a future of sporting excellence.



## Development Award **2010/11 Finalists**

### Adam Smith International



#### Nigeria Infrastructure Advisory Facility (NIAF)

NIAF persuaded the President to make our power sector reform plan his number one priority and are now working with his team to implement it. We have already helped the Nigerian Government increase power generation by over 85% - for the first time Nigeria is generating over 3800MW of power.

Once power sector reform is implemented in full the annual benefit in GDP will be around US\$130bn per annum. NIAF has also established a federal PPP institution and policy as well as one in Lagos State, where it has also produced the first Lagos transport masterplan.



### GRM International



#### Support to Strategic Planning for Sustainable Rural Livelihoods Programme (SSPSRL), Afghanistan

SSPSRL is a capacity building and organisational development programme designed to address the chronic lack of national capacity in making policies, designing appropriate agriculture and rural development programmes and in coordinating donor resources in two key rural development ministries in Afghanistan, the Ministry for Rural Rehabilitation Reconstruction and Development (MRRD) and the Ministry of Agriculture, Irrigation and Livelihoods (MAIL).

Running since 2003, SSPSRL has faced numerous challenges in helping to build ministries almost from scratch in a fast changing political, economic and security environment requiring innovative approaches to try and secure real and sustainable change.



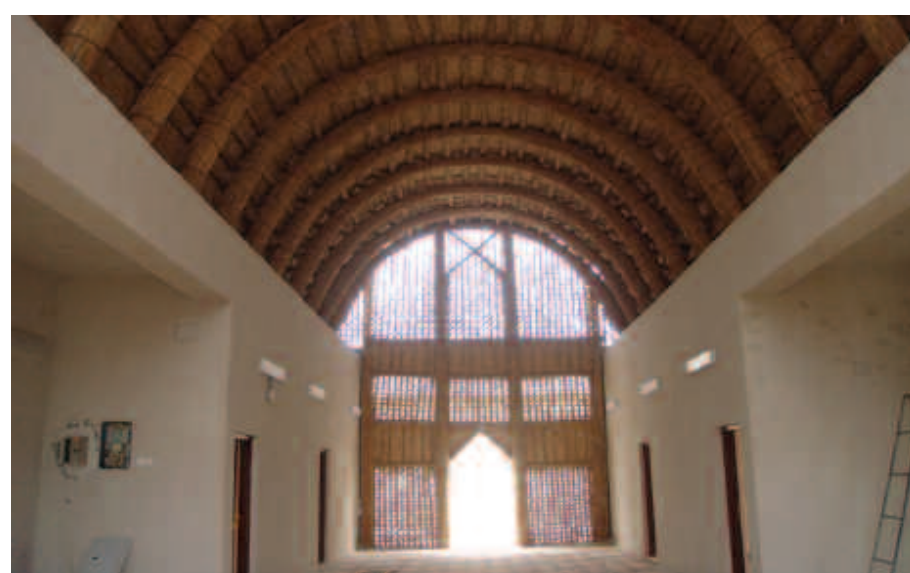
### Mott MacDonald



#### Rota Village School, Southern Iraq

The marshlands of southern Iraq have been drained over the last 30 years and their populations relocated. The Marsh Arab community lost its traditional sources of livelihood, craft skills fell away and their cultural identity was eroded.

A new school in Rota, Basra, will serve this marginalised section of Iraqi society. Through strong community relationships built up over several years, Mott MacDonald gained the support of local community leaders. With their input, Mott MacDonald developed a design for the school that fused modern and traditional building styles. The project provided employment for over 100 local people and is now a source of pride to the community.



### Mott MacDonald



#### Water Resources Demand Management Assistance Project, China

China suffers from a severe water shortage, with freshwater resources of only 2100 m<sup>3</sup>/person compared to 10,200 m<sup>3</sup>/person in the USA - and demand is increasing. Tackling this critical issue was the core objective of the Water Resources Demand Management Assistance Project (WRDMAP).

The project was managed by Mott MacDonald and financed by the Chinese Government and the UK Government's Department for International Development. WRDMAP involved a comprehensive review of local practice, implementation of pilot project case studies, synthesis of local experience with international best practice, and discussion at central government level to develop truly innovative approaches to the challenges involved.



### URS/Scott Wilson



#### Colombo Port Expansion, Sri Lanka

Colombo Port in Sri Lanka is located along the main east west shipping route, making it a natural transshipment hub for the South Asian region. In recent years the port has struggled to keep pace with global container traffic growth as its efficiency and modernisation plans have been hit by a lack of investment compounded by the long running Tamil insurgency.

URS/Scott Wilson was appointed to develop a business plan for an Asian Development Bank funded expansion project to design and supervise construction of the harbour infrastructure works. This significant project will enable the port to more than treble its existing container throughput.



### WSP International Management Consulting



#### Kathmandu Sustainable Urban Transport Project, Nepal

WSP International Management Consulting were appointed by the Asian Development Bank (ADB) to resolve the serious traffic congestion and pollution in Kathmandu, capital of Nepal. Following extensive consultations all sectors of society agreed that the only sustainable solution is to reduce the number of cars by promoting public transport (using zero emission vehicles) and significantly improving the pedestrian environment. WSP detailed this radical vision into a US\$30.7 million project to be financed by an ADB loan/grant plus a US\$2.8 million contribution from Global Environment Facility. The project will commence in 2011 and continue to 2015.

