○ **Construction/Engineering**  
**Less than $100,000,000 AUS**

**Project**  
Adelaide Airport Runway and Taxiway Overlay Project

**Organisation**  
Beca Consultants Pty Ltd & Adelaide Airport Limited

The 2010/11 Runways and Taxiways Overlay Project conducted at Adelaide Airport is considered to be the largest airport maintenance overlay and largest Airfield LED installation ever conducted in Australia.

In a first for the Australian airport industry an Early Contractor Involvement (ECI) procurement model was implemented together with a measure and value type contract. Innovation was required in order to conduct the project in the extreme risk adverse and regulated airport environment.

The project was successfully completed within the client's approved budget and programme. No aircraft operations were disrupted during construction and a proactive consultation effort kept impacts on other stakeholders to a minimum.

○ **Construction/Engineering**  
**Less than $100,000,000 AUS**

**Project**  
Re-provisioning of Kennedy Town Swimming Pool (Phase 1)

**Organisation**  
Paul Y. Construction Company

The re-provisioning of Kennedy Town Swimming Pool is a critical enabling works for the MTRCL West Island Line Construction. Only when the project is completed and in operation, demolition of the existing Kennedy Town Swimming Pool Complex shall be allowed and the proposed Kennedy Town Station can be constructed subsequently.

To match the overall construction progress of the West Island Line, the project has to be completed on or before 14 March 2011. Within 20 months of time, the project was built from an open ground to a modern sport facility and allowed move-in of the swimming pool operator.

The new Kennedy Town Swimming Pool Complex features metal shining cladding system in space-shuttle-ship shape. With the phase 2 completed on 2015, it will be a landmark of the sea front of Kennedy Town.

○ **Construction/Engineering**  
**in excess of $100,000,000 AUS**

**Project**  
Redevelopment of Upper Tau Kok Estate, Phase 283

**Organisation**  
Hong Kong Housing Authority

Building a Sustainable Community: The Redevelopment of upper Tau Kok Estate Phases 283 best demonstrates the "People-oriented Approach" in managing the project right from the inception to occupation. We strive for sustainability in planning, design, construction and management by engaging stakeholders throughout the process. Partnering with residents to be rehoused, consultants, contractors, academia and various organisations is the major driver towards achieving excellence in Project Management, Sustainability and Quality. We planned to adopt micro-climate studies for healthy living. With a competent and performance-oriented team, we provided affordable quality housing for customers in a proactive and caring manner with cost-effective use of public resources.
**Defence/Aerospace**

**Project**
Avionics Business Unit Project - F111 Strike Reconnaissance Support

**Organisation**
Raytheon Australia

In April 2011 Raytheon Australia’s Avionics Business Unit Project closed the door on a project which had supported the F-111 fighter bomber, Australia’s unique and vital national strategic strike capability, since 2003. During the project’s long life-cycle Raytheon was responsible for providing maintenance, engineering and logistical support for all avionics instruments (e.g. radars, digital flight computers etc) on the Royal Australian Air Force’s F-111s. The outstanding success of the project can be measured in terms of: improvements made to F-111 avionics availability, platform sustainability and innovation. As a result of the project management that ultimately saved Raytheon’s Domestic customer approximately AUD$20M.

**Product Development**

**Project**
National Train Communications System (NTCS)

**Organisation**
Telstra (ARTC)

When the Australian Rail Track Corporation decided to improve its existing system for communicating between train control and train crew it was clear that the legacy system could not simply be upgraded. With significant variations in the technology used between states, a specially designed next generation voice and data communications system was required.

Managed by Telstra, the multi-million dollar project involved the development of a bespoke device to be mounted within the train. The In-Cab Equipment (ICE) designed for the National Train Communications System (NTCS) is the next generation for train borne voice and data communications.

Built on design principles, hardware and protocols proven in critical life safety communications, the ICE platform consists of a digital voice and data backbone with various communications integration modules plugged in to allow voice and data switching to different communications infrastructures. This means that regardless of the underlying technology or train control centre the train driver has consistent, reliable communications.

**Information Technology**

**Project**
Next Generation Check-In Program

**Organisation**
Qantas Airways Limited

The Next Generation Check-In Program was established to revolutionise the domestic check-in experience. The core aim of the program was to eliminate customer queues through the delivery of a faster, smarter check-in experience. This involved the introduction of new technologies and improvements to existing systems along the check-in process.

A highly complex program involving the development of new concepts, integration of numerous new technologies with existing systems, major construction at each airport, training of over 2000 staff, management of over 40 suppliers and the delivery of the new chip enabled Qantas Frequent Flyer cards and Q Bag Tags to over 600,000 customers. In addition, the program was driven to a fixed implementation timeframe due to time to market pressures. The Next Generation Check-in Program has been highly successful with 27 Australian airports transformed within two years. Customer and staff feedback has been diverse, however, the predominantly positive response has clearly re-enforced the Qantas objective.
Telecommunications Technology

**Project**
VHF Radio Replacement Project - Towers and CATIS

**Organisation**
Airservices Australia

Airservices Australia relies upon Very High Frequency (VHF) radio services for primary communication between its Air Traffic Controllers and three million domestic and international flights each year. The continuing reliability and fidelity of such radio equipment is a priority. The challenge of the VHF Radio Replacement project was quickly realised when both reliability of the radios was unexpectedly declining and insufficient internal technical staff were available to undertake the required installation work. A stroke of innovation resulted in the engagement of a fellow Air Navigation Services Provider, Airways New Zealand, to assist with radically condensing the implementation schedule.

Organisation/Change Management

**Project**
Indonesia Women in Management (I-WIM) Program

**Organisation**
ExxonMobil International

The aim of the project was to strengthen Indonesian women’s leadership and management knowledge, skills and ability in creating positive and sustainable changes at all levels of Indonesia society – personal, organizational, community and national, creating and elevating awareness of women’s role within changing social environment in Indonesia by leveraging and broadening knowledge, skills and ability in developing community-based program, and create understanding in using network as tools in maximizing local resource, gaining maximum impact for community and pursuing positive image of the program.

The Indonesia Women in Management (I-WIM) program is designed as part of global women and girls education initiatives developed by ExxonMobil International. In 2008, ExxonMobil International had opened opportunity for any non-profit and community-based organization to send proposal under this initiatives. In collaboration with Center for Education of Development and Population Activities (CEDPA), ExxonMobil had been created and developed Global Women in Management (G-WIM) program to give training in competency (managerial and technical) development for women from several countries where ExxonMobil operate.

Many results gained from I-WIM program show a positive impact of cost efficiency in the preparation phase is an approval of I-WIM continuing program.

Organisation/Change Management

**Project**
NICUCAM Project

**Organisation**
ACT Health

The birth of a premature infant is an intensely emotional time. Parents want to stay by the bedside of their babies, 24 hours a day. This is not feasible for all families. Separation has long lasting effects on the family dynamic. The NICUCAM project developed specialised video streaming software and established a secure internet connection for parents to remotely view their babies. Launched in January 2010, NICUCAM has been embraced by 80 families and viewed in 25 countries. Vieweing their babies reduces the anxiety parents suffer being separated from their baby during those vital first few weeks of life.
Small Projects

Project
Greenhouse by Joost, Sydney

Organisation
Arup Pty Ltd

The Greenhouse by Joost, Sydney restaurant is an exemplary model of self-sufficiency, from its roof garden filtration system, and straw insulation, to the conversion of cooking oil into bio-diesel for power supply. The concept for the small scale temporary and transportable restaurant was developed with major social, community and environmental considerations. – to promote a back-to-basics philosophy on sustainability and life cycle considerations for buildings, business and lifestyle.

This unique but challenging project was rapidly planned and constructed in under eight weeks. The successful project delivery is testament of the innovative and collaborative project approach managed by the Arup project management team.

Regional Development

Project
EPC Jambi Merang Development Gas Production Facilities Project

Organisation
PT Triopatra Engineers and Constructors

Jambi Merang Development Gas Production Facilities is located at Musi Banyuasin District, South Sumatera Province, Indonesia. The project is a multi-disciplines EPC project. The facilities produce 120 BBTUD sales gas and 16'500 barrel/day condensate. The sales gas is distributed to power plant operated by PT Perusahaan Listrik Negara (PLN) (State Owned Electric Company) and other needs.

19 BBTUD of sale gas is delivered to power plant Payau Selancar (owned by PLN) located in the region of Jambi province and remaining 110 BBTUD gas is distributed to other provinces (Jakarta and Riau). This project gives economic impacts to the regional society during construction stage as well as in the operation stage.

The supplied gas to Payau Selancar produces approximately 40 MW of electricity that able to provide power for more than 40,000 families of working class for lightings or home industries.
**Community Service and Development**

**Project**
West Sumaiya Mosque Project

**Organisation**
PT Total Bangun Persada Tbk

Masjid Raya Padang has an Islamic concept that blends between place for worship, education, business, and entertainment. The project is located in a high-risk earthquake zone. The uniqueness design is in the shape of the building which is have two combination of modern and traditional architecture of Minangkabau with characteristic pointed shape. The construction of arc and curve beam, tilting column are the critical path during the construction. The project is divided into 3 stages. The 3rd stage will be completed end year of Dec ’11. In order to adjust the actual work with planned schedule, a good project management should be performed.

**Sustainable Projects**

**Project**
Three New Community Pools Project

**Organisation**
Brisbane City Council

The Three New Community Pools Project involved the delivery of the first new public pools to be built in Brisbane in 10 years. Extensive market and community engagement resulted in an innovative delivery strategy involving public and private partnerships. Early selection of private operators and community and operator input ensured scope customisation and site selection to maximise demand and optimise business sustainability.

A complex project management and procurement approach required close collaboration between the project team, pool operators, specialist consultants and contractors. The three Brisbane Southside pools were successfully delivered to the satisfaction of the community, partners and pool operators.