FIDIC
Asia Pacific NEWSLETTER

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FIDIC Asia Pacific Newsletter

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Federal Election

2016 ideas

for infrastructure

"Infrastructure spending has a role to play in sustaining growth and also in generating confidence. [...] it would be confidence-enhancing if there was an agreed story about a long-term pipeline of infrastructure projects, surrounded by appropriate governance on project selection, risk-sharing between public and private sectors at varying stages of production and ownership, and appropriate pricing for use of the finished product. [...] The real economy would benefit from the steady pipeline of construction work – |as opposed to a boom and bust. It would also benefit from confidence about improved efficiency of logistics over time resulting from the better infrastructure."

Glenn Stevens – Governor, Reserve Bank of Australia. Brisbane. 10 June 2015

As we approach the 2016 Federal Election, the need for new ideas and fresh thinking to stimulate productivity, jobs and growth is increasingly acute.

With the GST off the table and negative gearing reforms sparking opposition in industry and government, real tax and federation reform looks set to become a political plaything for yet another Parliamentary term. With no real solution to the looming challenges of health and education spending demands across the states and territories, it is becoming increasingly apparent that candidates for election are going to need some more meaningful policies to build their credibility with the electorate.

Off the back of the Australian Infrastructure Plan, new opportunities to invest in and deliver productivity-boosting infrastructure may herald the greatest policy and economic opportunities for the country.

Our infrastructure networks provide access to employment, facilitate social inclusion, and allow our cities to grow. Transport infrastructure alone moves 520 billion tonne kms of freight each year, supplying Australia's industry, enabling export revenues, and supporting our economy.
An increasing infrastructure deficit demands ongoing investment, particularly in, near, and between our major cities.

We believe that increased infrastructure investment that improves economic capacity and productivity must be the first policy response to the challenges arising from increasing congestion and declining quality of life across Australia.

Consult Australia's focus in the lead-up to the 2016 Federal Election is on opportunities to plan and deliver the infrastructure for the future with a focus on maximising value for money outcomes and productivity benefits for the taxpayer.

Our Federal Election platform, to be released in the coming weeks will focus on six principal areas:

1 BETTER AND FAIRER WAYS OF PAYING FOR INFRASTRUCTURE

Taxes are no longer enough to pay for the infrastructure we need to maintain our high standard of living. We need to consider new and improved funding mechanisms, such as fairer, cost-reflective road pricing, ongoing asset recycling and value capture. We must separate decisions to invest in new productivity-boosting infrastructure from politicised arguments about debt and deficit.

2 ESTABLISHING AN INFRASTRUCTURE INNOVATION FUND TO SUPPORT AN INVESTMENT READY PROJECT PIPELINE

Consult Australia recommends a dedicated innovation fund, separated from pre-determined infrastructure projects, to support the development of new investment-ready infrastructure through: feasibility studies, community engagement and public participation, business case development, cost-benefit analysis (including assessments of wider economic benefits) and environmental impact analysis.

3 PREPARING AN INFRASTRUCTURE & NEW TECHNOLOGIES STRATEGY

It is critical that we plan early to maximise the benefits brought by changes in technology, and ensure that the infrastructure we are planning today is positioned to accommodate new models for passenger and freight movement, changes in consumer behaviour and new markets for services that have not existed previously.

4 BUILDING MORE FOR LESS THROUGH IMPROVED PROCUREMENT

At a time when public finances are stretched, better procurement offers government the chance to build more for less, while also developing a better relationship with its industry partners. Successive Consult Australia reports have come up with a range of recommendations to improve procurement that offer significant savings and better value for money outcomes for all governments if implemented.

5 INCENTIVISING INTEGRATED STRATEGIC PLANNING TO SUPPORT MORE PRODUCTIVE, LIVEABLE AND SUSTAINABLE COMMUNITIES

It is essential that governments support longer-term planning goals in consultation with business and the community. All governments have a responsibility to support decision making and community consultation that provides for and delivers integrated planning, land-use and infrastructure. At a national level this can be supported with a national spatial policy and plan to provide an overarching framework.

6 DEVELOPING A FULLY FUNDED NATIONAL FREIGHT STRATEGY

Much of our existing freight networks are victims of long-term underinvestment or a lack of integrated strategic planning. For example, governments have proved often reluctant to commit to funding rail freight infrastructure where the greatest benefits of what is a substantial investment will only be seen in the long-term beyond any relevant political cycle.

Consult Australia is excited by the cross-party commitment to infrastructure as a critical productivity lever for growth. We are looking forward to working across the Federal Parliament, and with candidates around Australia, to advocate for our priorities above which we are confident will deliver the productivity we need to boost our competitiveness, grow the economy and create new jobs.

Look out for our Federal Election Campaign for 2016, to be released in the coming weeks, and stay tuned as we take our recommendations forward in the months ahead.

CONSULT AUSTRALIA
ASPAC CEO
CONFERENCE
SYDNEY, AUSTRALIA
28-29 April 2016

CONSULT AUSTRALIA

Consult Australia's 2016 ASPAC CEO Conference provides a unique networking platform for the top echelons of the major consulting and engineering firms in the Asia Pacific region.

Designed as an exclusive forum for CEOs and senior business leaders within the industry, this invitation-only event provides an opportunity for insightful debate and discussion between peers from over 25 nations in the region.

www.consultaustralia.com.au/ceo-conference/

2015 Engineering Innovation Competition for College Students

Projects around the world are getting bigger and more complex, hence driving the need for civil engineers to be equipped with more skill sets beyond the normal technical abilities.

With this in mind, CAEC decided to carry out a competition for college students with three objectives:

1. To encourage students to think out of the box for creative solutions.
2. To encourage civil engineering students to work with students of other disciplines/majors.
3. To have industry practitioners to guide students on the practicality of their solutions.

In coordination with IEET (Institute of Engineering Education Taiwan) and CICHE (Chinese Institute of Civil and Hydraulic Engineering), CAEC thus held the nationwide competition for college students in 2015. The topic for this competition is a development plan to build and operate a cable car system in Taiwan. Students are encouraged to choose whatever sites in Taiwan they feel suitable for construction and operation for a cable car system. The theme of this competition is a complete development plan. Therefore not only engineering designs and geological conditions that need to be considered, but also ecology and economy or even tourism and transportation issues are all to be addressed in this competition.

There were 20 teams from 12 universities in Taiwan registered to this contest. Each team composed of 1 teacher and 4~6 students and at least 1/2 of the students should have a major in civil or hydraulic engineering. The first stage of the competition was conducted by the judges on screening the paper work submitted and only half of the teams entered final competition. In the final stage, each team was assigned by CAEC a mentor from the engineering consulting industry for assistance. The final contest was held on site which includes a 15-minute oral presentation and question & answer session from experienced judges for each team. What is beyond our expectation is that students utilized different tools to present themselves. Printouts, computer slides, 3D animations and even hand-made models were all seen in the final contest. One of the teams even conducted an opera as a way of presentation. The 1st place winner was awarded with a prize of 120,000 NTD (~4,000 USD). The 2nd place and 3rd place winners were awarded a prize of 60,000 NTD and 30,000 NTD respectively. All the winners were invited to CICHE's annual assembly meeting to receive their prizes and honors in public. All 3 winners also gave short talks on their cable car system development plans in a seminar session.

To further expand the content of this competition, a facebook group was organized for anonymous voting on each team's development plan for cable car systems. A1-sized posters designed by all teams were also exhibited in CICHE's conference for on-site voting. The 1st place winner from the voting was awarded the most-popular prize.

This activity was a success and that CAEC is planning another student competition for 2016.

Contest Schedule

Contest announced	2015.6.1	Mentor matching	2015.8.31
Registration ended	2015.7.17	Final contest	2015.11.13
Final team announced	2015.8.26	Awarding ceremony	2015.11.21

Student Presentation (I)

Student Presentation (II)

Student Presentation (III)

Model Made by Students

Judgement Team

Student Presentation (IV)

The National Association of Indonesian Consultants/ INKINDO conducted FIDIC International Training

Being Member Association of FIDIC, INKINDO regularly conducts FIDIC Certified Training Programs in Indonesia to socialize FIDIC standard forms of contract for civil engineering projects which are recognized and used globally.

On February 22 and 23, 2016, INKINDO in cooperation with AntaVaya a professional training provider, has conducted again FIDIC Certified Training on Conditions of Contract for Construction, Employer Design (traditional Project) known as RED Book Training Module in Bandung, West Java,Indonesia. The Course Instructor was DR Sarwono Hardjomuljadi, Ir, MSc, MSBA, MDBF, ACPE, ACIArb, who is a certified FIDIC Trainer for this Module.

The Training was opened and closed officially by Mr Jimmy Sardjono Michael, INKINDO's Vice President for International Affair. Total 43 participants attended this Training, coming from construction industry stakeholders, including law firm.

INKINDO plans to conduct another batches of similar FIDIC trainings during the period of May and October this year.

Seminar and Training Activities

The Association of Japanese Consulting Engineers (AJCE) has been conducting various seminars and trainings initiated by committees in charge. On regular basis, AJCE holds Annual Seminar, YP Seminar, Contract Administrator Training Seminar (for beginners), Contract Administrator Training Workshop (for practitioners), and Interdisciplinary Seminar. In addition, AJCE conducts special seminars such as FIDIC Contract Seminar, FIDIC Module Training Seminar when we find needs from members and public. Seminars and training are one the major functions of AJCE to advocate and disseminate FIDIC activities as well as to promote CE industry in Japan. Characteristics of each seminar is summarized in the table below

Name	Purpose	Speakers
Annual Seminar 24th July, 2015	Select topics relevant to the needs or challenges to CE industry in Japan and overseas	Client, Government official, FIDIC president, CEO of MAs, Academic expert, member firm (CEO), Lawyer
YP Seminar 24th Aug., 2015	Promote networking and capacity building among YPs	Project leader in gov. R&D projects, YP, Academic Expert, Practitioner
Contract Admin. Training Seminar/ Workshop 27th Nov '15, 19th Feb '16	Promote experts familiar with FIDIC Condition of Contracts in overseas construction projects	Contract Administrator, National List of Adjudicator, Arbitrator, Practitioner
Seminar/ Workshop 27th Nov '15, 19th Feb '16	Share experience and know-how in innovative challenges in transportation, railways, space science, climate, power, safety, etc.	Railway & transportation expert, Meteorologist, Space Scientist, Earthquake expert, Nuclear expert, Botanist, etc.
FIDIC Cond. of Contract Seminar, 1st-4th Feb, 2016	Promote and disseminate FIDIC Condition of Contract through seminar	FIDIC Accredited Trainer, Expert in FIDIC Contract

Annual Seminar 2015

Contract Administrator Training FIDIC

Workshop 2015
Seminar 2016

YP Seminar 2015

Activities of AJCE Young Professionals Sub-Committee (YPSC)

1. Brief introduction of AJCE-YPSC

AJCE-YPSC was established in December 2009 to promote following 3 networking activities:

1. Networking with consulting engineers (CEs) in Japan
2. Networking with overseas CEs
3. Networking beyond generations and industries

In the beginning, there were only 9 members on our team, but we have kept growing continuously and in July 2015 already had 21 members. This has allowed us to gradually expand our activities.

YPSC members (not all, though!)

2. Networking with CEs in Japan
Technical tour

The first attempt of technical tour was in 2014. Young CEs from AJCE member firms visited Ariake Water Reclamation Center and Tokyo International Forum. Each of these is one of the Japan's most advanced works regarding water infrastructure and architecture, respectively. The participants were also from different areas of engineering, who shared various knowledges in the tour. Needless to say, sharing beer together after the tour also contributed to this "sharing" activity.

Technical Tour to Tokyo Int'l Forum

Futsal games

AJCE Cup started in 2013 and has grown to one of the regular events held by YPSC. It was successfully carried out twice in 2015. The first one was held in May and the second in November. Both games attracted remarkable number of people, 70 players (8 teams) in the former and 40 players (5 teams) in the latter.

The game begins at 7 p.m. on Friday after work. The players simply enjoy this exercise, showing no tiredness/frustration they might have experienced from every day work. After the tournament, the players move to a pub nearby and celebrate the winners. All the players expect YPSC holds futsal games on regular basis. Playing sports together makes us one, indeed.

5th AJCE-Cup

3. Networking with overseas CEs
Young Professionals Exchange Program (YPEP)

For nearly 15 years, AJCE and Consult Australia (CA) have been implemented the exchange program, what we call "YPEP". In this program, young professionals in Australia and Japan take turns to be trainers/trainees at annual basis.

Beginning with pre-visit communication and training, trainees spend three weeks in a host country for on-site training. The program includes site visit, seminar, OJT, informal discussion and of course, cultural experience. It is no doubt that the program has been a great opportunity and experience for the participants to know the difference in CE industry and culture, as well as to obtain more global perspectives. The next step we have to consider is how to spread the benefit, which is now being a little bit personal and internal, into other part of the industry.

Wrapping Up Summit at the End of YPEP

4. Networking beyond generations and industries
Seminar for university students

YPSC has been conducting seminars focused on CE and CE industry for university students since 2010. It is to introduce CE profession and, hopefully, to attract their interest to be a CE in the future. As the activity in 2015, five YPSC members presented their work experience and topics in CE industry to 80 undergraduate students. Though the working area of each CE varied, they made a point in common, that the works of CE had been contributing greatly to economic and social development while keeping sustainable environment in the world.

5. Way forward

As indicated in the above, YPSC gradually widened its scope of activity according to its expansion of members. In 2015, YPSC achieved the original mission drafted in 2009. We are certain that communication and networking among YPs both in Japan and overseas have been in progress as the activity of YPSC has strengthened.

Taking into account both what we have done so far and what we have now, YPSC is making "5-year Action Plan" to keep this momentum going on, and to be able to tackle with the challenges in the future.

A Lesson in Time Travel

Strap in, feet on the floor and prepare yourself to be thrust upwards of 600 miles per hour through the air in a contraption with more technology than a flying Delorean. We're talking about flying here. An ordinary enough task that most practice on a regular basis in our line of work, and depending on which direction you are flying, also one which involves time travel. I am always amused to board at 6:00 PM for a Trans Pacific flight to land stateside at 9:00 PM despite the brutal 13 hours of travel. I have long since proclaimed to be better at time travel than Marty McFly in Back To The Future.

So what's so special about it? The flying itself is nothing new, nothing special. It is just a part of business these days. The special thing is what travel affords us, the opportunity to be in a new place with new people, and encountering new things, new possibilities. My 94-year-old Grandfather always says, "When you rest…you rust." This motto has kept him going strong for so long, it must have merit. The same principle can be applied to business and development, especially in this age of globalisation and all the scary things riding on its coattails, where establishing a personal connection can make a big difference in the business of consulting.

So why fly? Why spend your valuable time strapped in and eating rehydrated food to time travel across the globe? We endure in order to have the opportunity to connect with people. As this world grows larger and more competition crowds in, fighting more feverishly for business opportunities, the saving grace for the consultant will be the connections, client relationships, and professional interactions you develop and maintain. Whether it results in a direct business opportunity or the chance to exchange experience and advice with one another, face to face meetings have proven over the course of time to be the best resource to cut through the global noise and could make the biggest difference to your success this year.

Now I will say…you are in luck! With so many networking events, business meetings, and even conferences on offer, it can be hard to decide which ones are worth your time and money. The good news is that a conference with immense opportunity is available in your own backyard! The festive Kiwis are hosting this year's FIDIC ASPAC Conference in none other than Queenstown, New Zealand. It is an opportunity to hear from world-renowned speakers and lecturers, government officials and leaders of industry. It is also an opportunity to gain professional connections and develop potential business opportunities with delegates from around the world. To just place that cherry on top, it happens to be hosted in Queenstown, land of adrenaline, and a great place to occupy your downtime between plenary sessions.

The hosts, ACENZ, have lined up a power-packed speaker itinerary ranging from professors, motivational speakers, government officials, award-winning professionals, and more. Speakers of note include Tony

Barry, Managing Director of Aurecon Asia; Sean Chiao, President of AECOM Asia Pacific; Government Officials Julie-Anne Genter and David Seymour; Associate Professor at Massey University, Dr Jane Goodyer; Business Specialist Bruce Holland, and many more.

ACENZ have also arranged some great treats to unwind after each day of conference. Board the TSS Earnslaw, a working steamship, to take in the majestic views of the surrounding snow-capped mountain landscape. Hop from one place to the next in the cozy downtown of Queenstown during our Café Crawl and enjoy a cold pint or delicious local wine. Finish the conference from 500 feet above in the Skyline Restaurant, which includes a ride in the famous gondola, for the closing dinner gala. If all this wasn't enough, two special technical tours will be on offer facilitated by industry experts. Tour one is a geotechnical tour through Christchurch led by CERA Chief Geotechnical Engineer, Dr Jan Kupec. Tour two is a water treatment plant tour to Glenorchy led by technical director and water engineering expert Robert White.

This conference will be well worth the short journey to New Zealand to experience top tier speakers, quality activities for your down time, and the most treasured of all reasons…to grow and foster your professional network which may result in new business opportunities.

Holly Merchant
ACENZ

Register today at http://www.fidic-aspac2016.com/registration/