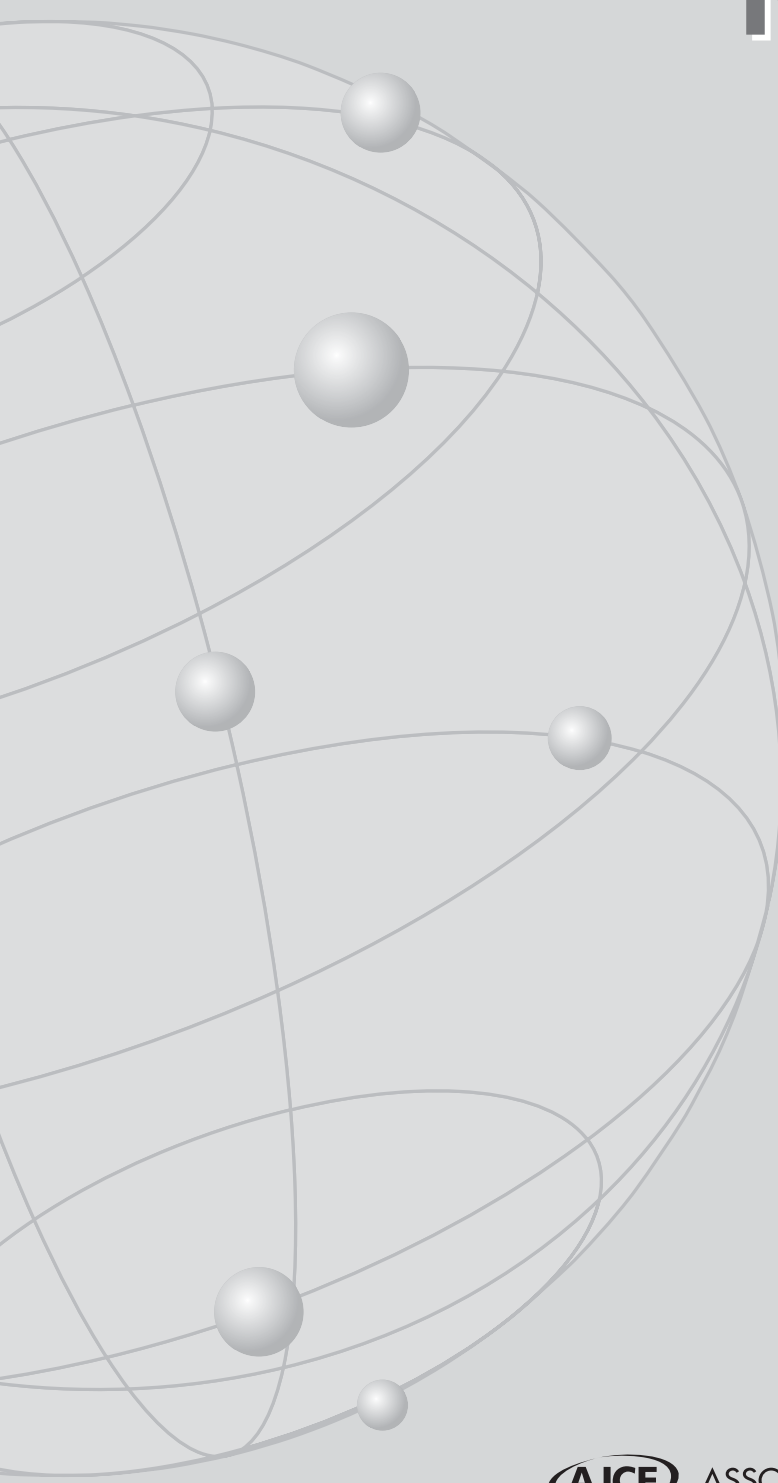


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AJCE

NEWS LETTER



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ASSOCIATION OF JAPANESE CONSULTING ENGINEERS

(FIDIC Member Association)

AJCE and Its Activity, 2006



Akihiko HIROTANI
President, AJCE

The Association of Japanese Consulting Engineers, AJCE, was established in 1974, by the then members of the Japanese Consulting Engineers Association (now called the Institution of Professional Engineers, Japan: IPEJ). AJCE is the sole member Japanese association adhering to FIDIC and representing consulting engineers of Japan ever since then. AJCE has a 32 year history, and Mr. Akihiko HIROTANI had succeeded as the 10th president since 2005.

One year has already passed since we delivered the last issue of AJCE Newsletter. There were definite changes in our business environment during that period. Economic activities have increased dramatically, while being influenced by very dynamic activities in China, Korea and elsewhere in Asia. All these economic changes were private oriented and the consulting industry in private businesses has profited from these opportunities. As to public services, government bodies were still unable to collect enough revenues leading to a belt tightening situation during this period, affecting many of our colleagues in the public consulting industry.

A new law, named Quality Securing in Public Project (Quality Secure Law in short) had passed the Parliament and was immediately put into force in April 2005. For contracting out of public works, price plays the most prominent priority under the Accounting Law. Within the Accounting Law, the new Quality Secure Law emphasizes a particular clause which specifies that "cost and other items shall be taken into consideration to secure the quality of end result when necessary". A great deal of discussion has been going on since regarding what should be considered, under which situation, and when.

The new law also specifies that designers play a very important role to quality of product, requiring consultants to keep up engineering skills at the highest level of the profession.

Among other news, Dr. Tomaru, former president of AJCE, was elected President of IPEJ in June.

In August, AJCE modified its Home Page, making it much more attractive, and more in line with the members strong determination to contribute to higher level of activities and to assist domestic consultants to access international environment.

In September, Dr. Ishii completed his term of four years as FIDIC's EC member. Our members also played various roles at the Beijing Conference which proved AJCE to be one of the major and contributing member associations at FIDIC.

In October, several Japanese young engineers visited Australia for almost three weeks under the Exchange Training Program between Japan and Australia. The program had been continuing for about ten years creating internationally-minded young engineers in both countries.

In November, the annual seminar was held, with a title of "Better Quality in Consulting Industry". Many members from AJCE participated. Presidents and several guests from the Korean Engineering and Consulting Association (KENCA) attended.

Collaboration among other related associations for consulting industries in Japan has been

strengthened. AJCE is playing an important role in this case as importer and provider of up-to-date international topics and news to domestic consultants which information was collected from MAs of FIDIC.

All of AJCE's eight committees including Ethics, Planning, General Affairs & Finance, Membership, International Activities, Interchange of Technology, Professional Training and Information & Publicity have continued to be very active.

AJCE shall continue those activities in the coming year. In June, the EC members shall be reshuffled so that a special committee according to the by-regulations is now taking the necessary steps. The new EC, after being established, shall continue to ensure the expected duties and to play an important role in the Japanese consulting industry.

AJCE shall expect encouraging advice and comments from colleagues, clients and other related interest holders to our consulting industry.

Thank you.

AJCE/ACEA

Young Professional Exchange Program in Australia2005

YPEP 2005 Report



Kunji AKINAGA

Chair

YPF · YPEP Sub-Committee, AJCE

In 2005, five Japanese trainees stayed in Melbourne as Young Professionals Exchange Programme (YPEP) in October. Topic for this programme was "Professional Development of Young Engineers" and purpose was titled "Study the Different Business Practices of Australia and Japan".

In this time, some of trainees stayed for 3 weeks and others for 4 weeks due to business schedules of belonging companies. Host families of some trainees changed every week or every two weeks, which made loads of host families lighter and they concentrated weekend lives together. The other advantage was that trainees could find differences between host families in a short time.

As all trainees belonged to sections meeting their specialties fortunately, they watched everything from views of their fields and found differences, of which details are shown in their reports. Almost of all trainees pointed out different lifestyle both in office

and at home. In Japan conducting business with extra working hours is common and sometimes private time is spent for works. They seemed to have felt gaps and thought how to spend time in life and what was valuable. Also they envied Australian life.

In their reports there are some interesting comments and proposals.

- Due to lack of water in Australia, they reuse treated effluents from sewage treatment plants positively and their lifestyles are based on such background.
- Although Australian engineers often discussed on design process and decided, Japanese engineers tend to rely on manuals in order to conduct a lot of business matters rapidly. Discussion in procedures of planning and designing should be co-opted as an ordinal item.
- As 3 or 4 weeks stay is short to join projects as engineers, a proper programme should be set for YPEP on each country, considering topics and purposes.

Table Trainees of YPEP 2005

Name	Company	Host-Company
1) Tetsuro Kawano	Oriental Consultants Co.,Ltd.	Persons Brinckerhoff Australia Pty Ltd
2) Hiroyuki Katsuki	CTI Engineering Co.,Ltd.	GHD Pty Ltd
3) Yoshinobu Nakajima	Nihon Suido Consultants Co.Ltd	Kellogg Brown and Root Pty Ltd
4) Naohiro Toki	OYO Corporation	Golder Associates
5) Yusuke Kobayashi	NIKKEN Consultants,Inc.	SMEC Australia Pty Ltd
6)Yuji Munehiro	Chodai Co., Ltd.	Maunsell Australia Pty Ltd

Report of Young Professional Exchange Programme 2005 in Melbourne



Tetsuro KAWANO
ENGINEER(ROAD PLANNING SECTION)
ORIENTAL CONSULTANTS CO.,LTD

1. Introduction

I participated in the 10th Japan-Australia exchange training program from 1 Oct to 29 Oct.(4 weeks) All 6 trainees participated this program in this time.

I have been interested in the lifestyle of foreign countries and labor environment , since I accepted exchange trainee(YPE) three years ago.

I report following ,about one month soent with a host company and host families.

2. Training Outline

My exchange training was performed in Persons Brinckerhoff Australia Pty Limited at Melbourne branch(following, APB).

PB's Melbourne branch located at St.Kilda Road from the City for 10 minutes by Trams. And there is Fawkner Park behind the office.

Folloing,The business in which I was able to participate was described while I stayed in Melbourne.



Fig1 Scenery in front of office(St.Kilda Road)

2.1 East-Link Project

I appreciated road design. It road is in Greater Melbourne east, it is the road of extension 39km. This road in Melbourne is unusual toll way.

There are installed 14 interchanges and have 3 lanes onside in this road.

A) Video-tolling System

There isn't installed toll gate in Melbourne. There is installed "Video-tolling System" and Many cars are installed an "e-tag".It is very useful system.But car which don't have it ,cannot drive on the toll way.

B) Work Contents

I was experienced work to make an answer for reviewer's questions by the drawings and regulated collections.



Fig2 Video-tolling System

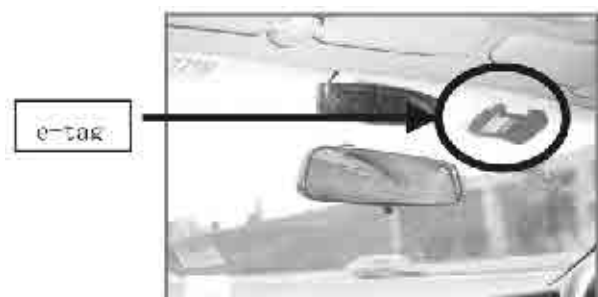


Fig3 e-tag

Because I was not accustomed to English, I spent many times to make the answer. (Japanese just became inscription in English in those...)

2.2 Smart-Link Projects

I experienced investigation that was 250 public transportation connecting improvement in Melbourne. The inside, I worked the field survey and made a B.O.Q.

It has about 200 investigation items. For example, drainage state, a number of CCTV, lighting equipments, helping points. I was interested in the following 2 items on the work.

- ① This work was performed by JV of three companies. Each company's officer can be accessed to the data server. By this system, this work have streamlined.
- ② The second point is abundance of public order equipments. Many supervisory cameras are installed in Melbourne. Because of that, I was the feeling which is always watched to someone.

When I investigated, many supervisory cameras were installed in the station. I realized that there were many plant investment for crime and terrorism.

3. Felt in Melbourne

3.1 Multi Culture

Melbourne is consisted of many immigrant. I experienced multiethnic community. I enjoyed eating the food of each country, worked with people from various countries(Nepalese, Indonesian, Salvador...)

3.2 Park

Melbourune is the town where there are many parks. There are parks of various types from the large-scale park, to the small-scale park. Especially, The open



Fig4 Open space at Westin Merbourne

space which can do park utilization is many. Openspace at westinhotel, and Fawkner-park behind the office etc, that was utilized by many citizens. There is the caf in the openspace at westinhotel that is utilized at lunch,rest,teatime etc

3.3 Trams

It was convenient for the Trams route in Melbourne to go anywhere.

In the city, the driveway was abolished and the construction repaired on a footpath and the road of only a tram was advancing.

Although there is no examination of tickets usually, there is examination of tickets unannounced. It seemed that therefore, almost all users had a proper ticket and had got on.

A fare is not so cheap as AU\$3.1 (= 270 yen). However, a ticket is effective for 2 hours, and there is a ticket various type (such as a Sundaysaver ticket, Weekly Full Fare ticket etc)

In addition to the tram, the ticket could be used also for CONEX railroad and I thought that it was very convenient.

3.4 Homestay

I did precious experience that was a homestay. Because stay place had not been determined until arrival, It was an uneasy start for me.

I had an opportunity to meet many people, because I had a schedule which changes the Host family weekly constructed. I was able to touch English conversation everyday and everyhour, about the life-style of the usually, manners, etc.



Fig5 Tram on Bourke-Street

Especially 2ndweek and 3rdweek, thanks to stayed home where room was shared, I had an opportunity to meet other except PB.

According to any information, the house rent around city is high. For that reason, some people lives with their friends.

Table Trainees of YPEP 2005

	Outline of hostfamily
1 st week	Couple of year second
2 nd week	Mr.J with two his friends
3 rd week	Ms.A with four her friends
4 th week	Ms.E with her mother

4. Conclusion

In this training, we had amazing experiences for the business, life,culture and people in Melbourne.

So, we had the great time and appreciated for the kindnesses by AJCE, ACEA and all staffs of the host companies.

We, Japanese trainee will be united in business and private life as if we were in this training.

AJCE's Annual Seminar 2005

Quality Management of Consulting Service



Shigemichi HATAO

Chair

Professional Training Committee, AJCE

AJCE has regularly held a seminar on CPD for their members. The annual seminar 2005 was held at Tokyo on November 11, 2005, with a theme as "Quality Management of Consulting Service". The objective of the seminar was to review the quality of consulting service, aiming at the quality assurance on an occasion of enforcement of the Quality Assurance Law for Public Infrastructures (April 2005). It is expected through this seminar that more discussions would continue among the AJCE members and the concerned agencies how to maintain the quality of the consulting service and to minimize design faults.

The seminar was made with the following program.

1. Enforcement of Quality Assurance Law and Quality of the Consulting Service : Mr.A.Hirotani, Chairman of AJCE
2. Procurement of Consultants in Multi-lateral Development Banks: Ms.M.Yokokawa, Nippon Koei
3. Quality Management of Nihon Sekkei : Mr. M. Kurakazu, Nihon Sekkei
4. Panel Discussion
 Moderator : Mr.Y.Yamashita, Vice Chairman of PTC
 Panelers : Mr.T. Go, Nihon Suido Consultants
 Mr.Y.Tsutsumi, Oriental Consultants
 Mr.E.Kawakami, CTI Engineering
 Mr.H.Sadamura, Nippon Koei

As an opening speech, Mr.Hirotani introduced the background, objective, outline, guidelines of the Quality Assurance Law for Public Infrastructures which was enacted in 2005. The objective of the law is to aim at upgrading of nation's welfare and sound development of nation's economy by quality assurance of public infrastructures. This law stipulates not only the obligation and responsibility of contractors but also of consultants.

In the past the procurement of goods and service by the governments was made in accordance with the Public Accounting Law which in principle has placed a priority on lower or lowest price. However, under the new law which can be deemed as a supplement to the existing public accounting law, evaluation for the public procurement should be made with due reference not only to cost but also to quality. Some explanations were added on possible influences to competitive bidding and design-build contracts for construction industries for public infrastructures.

Ms.Yokokawa reported some cases and examples of QCBS for procurement of consultants by the multi-lateral development banks, against which AJCE has long appealed for application of QBS. She also introduced the evaluation procedure for procurement used in JICA and JBIC.

Mr.Kurakazu introduced a quality management system and method employed in his company which mainly deals with architectural design. He explained the various troubles and mistakes encountered in architectural designs, effects of ISO, increasing requirements of owners, participation of various stakeholders in the design process, importance of records in writing, etc. He stressed importance of professional responsibility of designers in addition to contractual responsibility. Design mistakes are often caused by lack of communication, lack of method statement of execution of works, lack of knowledge of materials, improper use of CAD, lack of knowledge on relevant laws and patents/loyalties, etc. In his company there are three stages for design review; planning stage, basic design stage and detail design stage.

In the panel discussion which was chaired by Mr.Yamashita, Vice-chairman of PTC, panelers reported the quality management systems and

practices of their own firms and exchanged their opinions on quality.

As a concluding remark, Mr.Hatao, Chairman of PTC, summarized the issue on quality assurance as follows.

- Continue capacity building/capacity development of consulting engineers.
- Be more creative, time to time free from too much dependence on manuals.
- Be more comprehensive by evaluating other alternative.
- Take approach with due focus on project life cycle time.
- Keep continuous communication.
- Think more about relationships with others (Connection & Chain).
- Do and repeat check and review.
- Obtain confidence/trust from the clients and professional certificate.

A month just after the seminar, a serious scandal occurred in several new buildings(mansions) in Japan for which earthquake-proof design was not carried out properly with fake.

It is worth while to remember that "Sustainable Engineering" was selected as a theme for the FIDIC annual conference at Beijing in 2005. It is further noted that JCCA(Japan Civil Engineering Consultants Association) regularly holds seminars in local cities for minimization of design mistakes. It is considered quite essential for the consulting engineers to tackle seriously and earnestly for the issue of quality assurance.

Consulting services by AJCE members

Preparation of technical data concerning fire safety in a long span bridge of a city

Client Metropolitan Express Company Limited

Financed by Metropolitan Express Company Limited

Achieved by Oriental Consultants Company Limited

Period 5/Aug/04 ~ 28/Feb/05

Services

- ◆ Risk analysis
- ◆ Consideration of operation method
- ◆ Consideration of administrative operation level and system



Outline This service consider totally method for tunnel fire prevention with the completion of individual considerations which range from normal times to fire outbreak in a long-span bridge of a city

- ◆ This project conducted under cooperation of associate professor Mr. Daimon at Faculty of Science and Technology, Keio University.

Details Provided services including as follows;

- ◆ Verification of relation between cost and risk reduction concerning disaster prevention facility.
- ◆ Proposal for effective information delivery system using driving simulator.
- ◆ Consideration of concrete operative

technique that needed for manual preparation and building system.

- ◆ Established the operation manual for tunnel fire prevention based on effects noted above.
- ◆ Established programs for enlightenment, training and experimental use.
- ◆ In the enlighten program, through considering necessary contents and media, we proposed method how to prevail using the program to general users and commercial driver, enlightenment using a quiz form, monitoring system for fire prevention.

Hai Phong Binh Bridge Project in VIETNAM

Client Hai Phong People's Committee, Binh Bridge Project Management Unit

Financed by JBIC

Achieved by Chodai Co., Ltd.(Main) Japan Overseas Consultants Co.,Ltd

Period November 2000-August 2005

Services

- ◆ Modification of Detailed Design
- ◆ Tendering Work
- ◆ Construction Supervision

Briefing The objectives of the project were:

- ◆ Binh Bridge is constructed over the Cam river of the Hai Phong City in Vietnam.
- ◆ The main Bridge is cable stayed bridge of span length 100+260+100m. Total bridge length including approach bridge is 1,280m.
- ◆ This project is first project of special loans of Japan.



Details Services carried out included:

- ◆ Modification of detailed design by Finish Consultant
- ◆ Additional detailed design of wind test model, tollgate, building for maintenance.
- ◆ Technical training in Japan and Vietnam.
- ◆ Preparation of tender documents, execution of the bid and evaluation of bids.
- ◆ Construction supervision of bridge, tollgate, building for maintenance.
- ◆ Environmental monitoring



The Study on Improvement of Water Supply System in Managua, Nicaragua

Client JICA (Japan International Cooperation Agency)

Financed by JICA

Achieved by Nihon Suido Consultants Co., Ltd. (as Leader of JV team, with Asia Air Survey Co., Ltd.)

Period July 2004 - January 2006

Services ♦ Master Plan



Briefing

- ♦ to formulate a long-term improvement plan up to the year 2015 for an efficient and sustainable water supply system of Managua city
- ♦ to identify a priority project with respect to the improvement of water supply infrastructure and prepare preliminary outline designs of the priority project
- ♦ to pursue technical transfer to ENACAL's personnel in the course of the Study

Details

Services carried out included:

- ♦ Field measurement of Flow/Pressures, Leakage & Water Quality
- ♦ Water Consumption & Awareness Surveys
- ♦ Assessment of Water Source & Water Balance
- ♦ Review of Regulatory, Institutional and Financial Aspects of Water Service
- ♦ Formulation of Long-term Improvement Plan
- ♦ Environmental & Social Considerations
- ♦ Preliminary Outline Design of Priority Project
- ♦ Joint Workshop with ENACAL

The Study on Mekong Riverbank Protection around Vientiane Municipality, Lao P.D.R.



Client	JICA (Japan International Cooperation Agency)	
Financed by	JICA	
Achieved by	NIKKEN Consultants, Inc. NEWJEC Inc.	
Period	December 2001- December 2004	
Services	<ul style="list-style-type: none"> ◆ Pilot Construction Work ◆ Master Plan ◆ Technology Transfer 	
Briefing	<p>1) Objectives of Study To study bank protection works adaptable to the Mekong River and sustainable in Lao P.D.R., introducing Japanese traditional river works method.</p> <p>2) Study Area Mekong riverbank around Vientiane City in Lao P.D.R. (L=approx. 60 km)</p>	<p>3) Foot protection work (Soda mattress work; 66 sheets 10m*6m)</p> <p>ii. Wat Chom Cheng Site ; L=240m Wooden pile groynes (6 groynes: L=20 m, interval=40 and 60m)</p> <p>iii. Sibounheuang Site; L=156m</p> <p>1) Slope protection work (Cobble stone with willow branch work)</p> <p>2) Foundation work (Riprap work)</p> <p>3) Foot protection work (Soda mattress work; 23 sheets 10m*6m)</p> <p>2) Outline of Master Plan</p> <ul style="list-style-type: none"> - Target Year: 2020 - Total Project cost (national budget in principle): US\$4.89 million - Total length of 10 Master Plan projects: 7.38 km (5 Urgent Projects: 2.70 km and 5 Second Priority Projects: 4.68 km) - Implementation Schedule: 16-year (2005-2020)

Details

- 1) General of the Pilot Works
1. Construction Period: January 2003 - May 2003
2. Construction type
 - i. Ban Dongphosi Site; L=643m
 - 1) Slope protection work
(Cobble stone with willow branch work)
 - 2) Foundation work (Riprap work)



Technology Transfer Seminar using Soda Method

Hai Van Pass Tunnel Construction Project, Vietnam

Consulting Services

The Hai Van Pass Tunnel Construction Project is located near the city of Danang in Central Vietnam. The tunnel civil works were commenced in October 2000 and the breakthrough was celebrated in October 2003. Since then, installation of electrical and mechanical facilities has progressed rapidly aided by well-organized work coordination, and the tunnel was open to the public on 5 June 2005. The Consultant provided state-of-art project management with reference to PMBOK.

Client Project Management Unit No.85, Ministry of Transport

Financed by JBIC

Achieved by JV of Nippon Koei Co., Ltd., Japan and Louis Berger International Inc., USA in association with Transport Engineering Design Incorporation (TEDI), Vietnam.

Period January 1998-October 2005

Scope

- ◆ Special Survey
- ◆ Detailed Design
- ◆ Tendering Assistance
- ◆ Construction Supervision
- ◆ Training and Technology Transfer.

Project Major Features



- 1) Project Length : 12,182m
- 2) Traffic Lane : 2 Lanes
3.75 +1.25 shoulder. Total 10.0m
- 3) Tunnel Length : 6,280m (Main Tunnel),
6,286m (Evacuation Tunnel)
1,888m (Ventilation Adit)
- 4) Tunneling Method : NATM
- 5) Cross-section : 89m²(MT), 15.5(ET)
36.2(VA)
- 6) Cross-Passage : 400m interval
- 7) Ventilation System : Longitudinal System, 23
Jet Fans, 3 EPs, 1 VA



Project Distinct Points

- ◆ 6.3km long highway tunnel
- ◆ 1st NATM tunnel in Vietnam
- ◆ Longitudinal Ventilation System
- ◆ SCADA for Overall System Control
- ◆ Tunnel O&M Agency required

Project Website

<http://haivan.cadp.jp/>

Astana Airport Reconstruction Project, Kazakhstan

Client Ministry of Transportation and Communications, Kazakhstan

Financed by JBIC

Achieved by Pacific Consultants Int'l

Period Dec 1999 - March 2005

Services

- ◆ Master Plan
- ◆ Detailed Design
- ◆ Construction Supervision



Summary After the Republic of Kazakhstan gained independent in 1991, the capital was relocated from Almaty to Astana in 1997. Since Astana Airport was developed in the 1960's, it had no reservation system with world's airlines, old terminal facilities, decrepit utilities, cracked pavement, no parallel taxiway and small apron, etc. Due to lack of budget and modern technology, the Government of Kazakhstan requested the Japanese Government to improve the airport to function as the airport of the new capital.



Services PCI was the lead consultant in a consortium of three companies. PCI services included Master Plan, Basic Design, Detailed Design, Assistance in Tendering and Construction Supervision.

Details

- Taxiways: 1,800 m reconstructed taxiway and 2,800 m newly constructed taxiway with 23 m width.
- Apron: 128,100 m² asphalt/concrete
- Passenger terminal: 6 story steel structure with floor area 25,950 m²
- Cargo terminal: 2 story steel structure with floor area 2,200m²
- Control tower: 40 m height steel structure
- Terminal road and car parks: 4 lanes access road and 270 lots for car parking
- Airport utilities: power supply, fuel supply (hydrant system), heat supply, fire fighting system etc.
- Vehicle procurement: fire fighting vehicles, snow removal vehicles, fuel service vehicles, etc.

Dead Sea Panoramic Complex Subproject under Tourism Sector Development Project in the Hashemite Kingdom of Jordan, Dead Sea

Client Ministry of Public Works and Housing, Jordan

Financed by JBIC ODA Loan
JICA (Detailed Design)

Achieved by Pacific Consultants Int'l

Period April 1999 - Ongoing assistance

Services

- ◆ Detailed Design
- ◆ Construction Management
- ◆ Operations Management



Summary Dead Sea Panoramic Complex was planned and developed on the ragged edge of 800 m tall sheer cliff from which visitors can enjoy a panoramic view of the Dead Sea, the lowest water body on earth, as well as experiencing an arid desert environment with natural floras and faunas including avifauna. The complex also includes a museum that provides unique perspectives about the origin of Dead Sea and preciousness of its environment.



Services

- ◆ Detailed design including building, exhibition and environmental designs
- ◆ Tender assistance
- ◆ Construction Management
- ◆ Operations Management
- ◆ Tourism Promotion
- ◆ Safety Precaution and Environment Protection
- ◆ Institutional Development

Details

Sanctuary area: 245,000 m²
 Development site area: 60,000 m²
 Total floor area of the Building: 2,310 m²
 (including 714 m² exhibition hall, 450 m² restaurant and 191 m² conference hall)

Arabic design style and traditional architectural typology are reflected throughout the entire building.

Since the site is in an environmentally sensitive area and there is no water source in the adjacent area, a sewerage treatment plant was installed and effluent water is recycled for watering the plants in the Complex.

AJCE standing committee report

Professional Ethics and the AJCE Ethics Committee



Shigeatsu TAKI
Chair
Ethics Committee, AJCE

The Ethics Committee is continuing to present corporate compliance programs operated in AJCE member engineering firms through AJCE News Letter. In recent years, concerns of Japanese public is obviously increasing on the corporate social responsibility and professional ethics of professional engineers engaged in consultancy and engineering services, since several cases related to professional ethics are disclosed such as falsification of earthquake design calculations for condominiums and buildings, and bid rigging scandals for government purchase construction works. The government urges to strengthen measures to cope such cases, for instance, amendment of the anti-trust law, and improvement of the government purchasing systems.

In those situations surrounding engineering consultancy businesses, it should be valuable to share information and knowledge on corporate compliance programs implemented in AJCE member engineering firms. The Ethics Committee presented the following three examples of corporate compliance programs currently operated in AJCE members:

CTI Engineering Co., Ltd.: CTI has implemented its compliance program since 2001, conducted its business on this framework based on the compliance manual issued. In view of trend of CSR in the Japanese industry, CTI newly published CTI Manifesto, an integrated corporate business policy and action programs, which declares CTI's

responsibility to the society in January 2005. CTI organized the Compliance Committee under the president's leadership, the Manifesto is communicated to all persons working for CTI, and the Committee is successfully administers the programs.

Oriental Consultants Co., Ltd.: Oriconsul has implemented its quality management system based on ISO9001 since 1997, and environmental management system based on ISO14001 since 1998, and those systems partly included a compliance program for anti-trust law. In 2003, Oriconsul established a new Total Management System (TMS), composing of internal governance rules and anti-trust law compliance systems. The TMS is edited in a booklet titled Neo-Act, which also includes corporate mission, busyness policy and Oriconsul sprits. All action programs incorporated in the Neo-Act are well communicated to all persons and maintained by them.

Nippon Koei Co., Ltd.: NK organized a Committee for compliance for anti-trust law earlier in 1992. In May 2001, NK released its corporate action program, which declares 14 commitments for society, clients, shareholders, suppliers and employees. These commitments are promoted by the Corporate Action Committee chaired by the president, are well administered and obtained higher reputation form various stakeholders. NK's compliance program is also supported by the hotline and helpline connected to both corporate management and outside law office channels, is effectively utilized.

Role and Activities 2005

Planning Committee

General Affairs & Finance Committee

Konomu UCHIMURA

Chair

Planning Committee
General Affairs & Finance Committee



Planning Committee

The TOR of the Committee is as follows.

- ① Planning of a long-term plan concerning association administration
- ② Relate to articles of association
- ③ Relate to a rule of association
- ④ Cooperation with other domestic associations of consulting engineers (CEs)

2004 carried out following activity about TOR mentioned above.

After bubble collapse of the later half of 1990's, Japanese economy is stagnant, and reduction leads to a consultant market. As a result, by member numerical decrease of AJCE, the financial situation of association adds to strictness. Through the member's increase measures and the trusts of investigation of information to relate to CEs, we planned to reinforce a financial base of AJCE and to maintain activity.

The Radical Reform of Public Interest Corporations will be executed in 2007 in Japan. We are promoting the preparation of it.

Representing Japanese CEs, AJCE is a member of FIDIC. But the association where CE belongs to in Japan has a plural number according to an engineering field. AJCE cooperated with these plural associations and worked on promotion of QBS was aimed for enhance the social position of CEs.

General Affairs & Finance Committee

The role of the committee, as prescribed in the TOR, is i) preparation of budget and assessment of the statement of the accounts for each fiscal year, and report to the board of directors, ii) provision of necessary resources, such as personnel, office and equipment, to sustain AJCE activities under the direction of the president, iii) preparation of the detailed AJCE regulations based on the articles of the association, and iv) miscellaneous issues directed by the president or the board. As seen in the above, the role of the committee is secretarial one. Activities of the committee are, therefore, carried out mostly behind the scenes, nevertheless these are indispensable for the operation of AJCE.

The revenue of AJCE has been decreasing for years because of the shrinking public investment and the consequent shrinking market for Japanese consulting engineers. As a result, AJCE has been facing financial difficulties. The committee has a headache when it prepares the next year budget. In order to solve the problem and to strengthen the financial status of AJCE in the long run, the committee has to work out measures to increase the revenue. Cooperation with the committees is always sought in this regard.

Membership Committee Report of 2005



Takeaki TOMOSAWA
Chair
Membership Committee, AJCE

1. Members of Committee

The year 2005 Committee is in activity by following members.

Takeaki Tomosawa (Chair)
Kouichi Gotou (Vice-Chair)
Kazuhiro Asada
Kazumasa Itou
Shizuo Ouno
Tanenobu Moriya
Takeo Yamazaki
Noriaki Yoshida

2. Terms of Reference

- a) To consider the requirements for AJCE membership.
- b) To consider ways to increase membership.

3. Activities in 2005

The three subjects shown in the following are being continued from the beginning of 2004.

- a) Review of the Reports on admission or withdrawal.
- b) Presentation of the Idea of ways to increase membership.
- c) Update of the Name-list of non-member CE firms for recruit.

4. Regular meeting

Membership Committee is holding the regular meeting every two months to discuss the above three matters.

We have prepared the leaflet for the entrance invitation in this fiscal year and we are discussing such as the name-list of the candidates for new members, the definition of the number of the registration employees of member firms.

However, it is a disappointment that the number of members couldn't be increased by our activities.

Annual Report International Activity Committee (IAC)



Masafumi MIYAMOTO

Chair

International Activity Committee, AJCE

Terms of Reference (TOR) for the committee include the followings, and are general objectives of its sub-committees.

- (1) Cooperation with FIDIC's activities.
- (2) Exchange of information with other member associations of FIDIC.
- (3) Provision of up-to-date business information worldwide to Japanese consulting engineers.
- (4) Dispatch information about Japanese engineers and their views to the engineering community worldwide.

As mentioned in the first clause of TOR, cooperation with FIDIC's activities are most important objective of the committee. Thus, its sub-committees are formulated corresponding to FIDIC's standing committees mostly. At present IAC has the following four sub-committees, of which activities for the last year are reported below.

1.1 Contract Sub-committee (CCSC)

CCSC translated into Japanese and published the FIDIC Red Book revised after the harmonization with international funding institutions (IFIs). CCSC also plans to distribute the summary of revised issues of Red Book. Close watching to FIDIC CC activities which are now underway regarding revision of Gold Book and White Book is CCSC's responsibility. CCSC will also correspond for the time being to FIDIC's new standing committee, viz. Integrity Management Committee.

1.2 Capacity Building Sub-committee (CBSC)

CBSC reviewed FIDIC's Training Manual and Training Kit, and sought adaptability of these in Japan. CB SC keeps watching on Master of FIDIC which is under consideration in FIDIC.

1.3 International Funding Institutions Sub-committee (IFI SC)

Main task of IFISC is reporting FIDIC's activities in relation with IFIs. IFISC regularly carry out abridged translation of FIDIC news and published them in

AJCE bulletin. IFISC also published abridged translation of FIDIC Annual Report 2005 on the latest AJCE bulletin, Vol.29, No.2.

1.4 Quality Based Selection Sub-committee (QBSSC)

QBSSC was established to enhance cooperation among four Japanese associations of engineering consultant sector, viz. Japan Civil Engineering Consultants Association (JCCA), Infrastructure Development Institute (IDI), Engineering and Consulting Firms Association (ECFA), and AJCE to promote QBS in Japan and abroad. Secretariats meeting was held in August 2005.

QBSSC has translated FIDIC Guidelines for CE Selection and made efforts for publishing Japanese version. Now it's under a final review.

Remarkable activity to mention is a successful completion of investigation on selection of CE in several developed countries funded by JCCA. The investigation team was dispatched to USA, UK, France and Germany. Members of QBSSC actively participated in the investigation. Cooperation extended by FIDIC member associations was contributory to meeting strict requirements such as to present the interim report by the end of May. AJCE is very proud that it could show its capability to carry out tasks efficiently as a FIDIC family member. The results of the investigation and analysis were compiled in a report and submitted to JCCA.

1.5 Other Activities

Sub-committee which had been formulated to support AJCE's 30th Anniversary was terminated after successful completion of seminars, celebration and commemorative publication.

A member of IAC took part in Risk Management Forum in Beijing Conference to exchange views and opinions regarding revision of the White Book.

IAC also advised to FIDIC-YPF which held a forum in Beijing, to strengthen its activities.

Interchange of Technology Committee during the Year of 2005



Takenori NAKANISHI

Chair

Interchange of Technology Committee, AJCE

Our Association (AJCE) is formed from Public-Firm Membership and Private-Firm Membership. This Committee is constituted from mainly private-Firm Membership and practicing in own background. The members of this Committee have different professional areas in various fields and are capable to perform on business based on long-serving experience and performance.

The aim of this Committee is intercourse between different professions and exchange of business information from own professions which would be effective to promote own business. Meantime this Committee has sub-committees such as China-

Business, Environmental Subjects and Management Quality in order to regulate their activity.

On 2005 this Committee had Continuous Capacity Building Seminar to appeal their results of sub-committee activities.

Furthermore, the members of this Committee participate actively in other Committees of AJCE as observer to express from independent stance and shoulder their duty for activation of AJCE. In near future this Committee is expected to make the best of their ability.

Activities of Professional Training Committee in 2005



Shigemichi Hatao

Chair

Professional Training Committee, AJCE

Under the Professional Training Committee (PTC) activities are undertaken by four sub-committees; ① Sub-committee for seminar/events, ② Sub-Committee on FIDIC Policy Promotion, ③ Sub-Committee on Professional Training, ④ Sub-committee on YPF/YPE (Young Professional Forum and Young Professional Exchange Program). Main

regular activities are support and cooperation for participation of the FIDIC annual conference, dissemination of the FIDIC activities and publications, various seminars aiming at CPD including the annual seminar, and organization and participation of YPE/YPF.

The FIDIC Annual Conference 2005 was held at Beijing in September and the contents of the conference were reported at Tokyo by the participants on October 7, 2005. At the Beijing conference the AJCE members made presentation on natural disasters in Japan and application of PSM indicator to Nagara River.

For the YPEP, the AJCE members (6 participants) were dispatched to Australia in October, 2005, where they implemented the 3 to 4 week program, and the results were reported by the participants on November 18, 2005. Questionnaire was sent to the FIDIC member associations to promote the activities of YPF.

The unique capacity of the consulting engineer was translated for promoting and dissemination of the FIDIC publications.

On November 11, 2005, the annual seminar was held with a theme as "Quality Management of Consulting Service". This seminar was timely made on an occasion of enforcement of Quality Assurance Law for Public Infrastructures in 2005. Chairman of AJCE introduced the outline of the law and the possible influences of the law to consulting industries. The quality management system of a firm which mainly deals with architectural works was introduced. The present status of QCBS for procurement of consultants used by ADB was explained. Panel discussion was made by 4 panelists selected from the member firms, and discussion was made on the actual method and procedures for quality management of the consulting service. About 40 participants attended the seminar, out of which two were Korean engineers dispatched by KENCA.

Activities of Information and Publicity Committee



Nobuo ENDOH

Chair

Information and Publicity Committee, AJCE

Objectives

Information and Publicity Committee is one of the oldest ones of AJCE because of its fundamental function for any organizations. At present, the committee is responsible for the objectives below:

- To collect news and information about the activities of AJCE and its members. They are provided to the general public inside and outside of Japan as well as to the members of AJCE,
- To introduce activities of FIDIC and its member associations to AJCE members and general public of Japan, and
- To introduce FIDIC publication to AJCE members.

The committee runs the website of AJCE for the general public and its members. The committee also made an effort in the background for AJCE to publish

"30 Year History of AJCE." As a routine, the committee publishes AJCE bulletins for the domestic readers three times a year and NEWSLETTER in English for the readers outside of Japan once a year.

Running of AJCE Website

The committee renewed AJCE website in Japanese <<http://www.ajce.or.jp/index.htm>> and is reconstructing the English site<<http://www.ajce.or.jp/en/framepage-E.htm>>. The website promotes communications among the members by use of a fast and common facility as well as introduces the activities of AJCE to the general public. The website informs the members of the events scheduled by the committees or individual members of AJCE. Having a link with FIDIC and its member associations, AJCE website can enhance communications between AJCE and FIDIC and MA's. AJCE website promotes the

sales of publications of FIDIC and other organizations inside and outside of Japan for the professional advancement of the members by introducing such products on the site.

Publication of 30 Year History of AJCE

AJCE published "30 Year History of AJCE." The history contains photos of events, looking-back by senior members, developments and activities of each committee, and copies of historical materials. All are digitized in one CD. "30 year History of AJCE" was distributed to the members and related organizations in Japan last May. Regrettably, the history is compiled in Japanese only. A history of AJCE, however, is briefed in the article titled "AJCE, 30Year and More" on AJCE NEWSLETTER Vol. 26, March 2005.

Publication of AJCE Bulletin

AJCE usually publishes three volumes of its bulletin in March, July and December every year. They are written in Japanese and distributed to the AJCE

members, and related government offices and other public organizations in Japan. The last three volumes report FIDIC 2005 Annual Conference in Beijing, activities of eight (8) AJCE committees, exchange of young professional engineers with the member association of Australia (home-stay internship), seminars hosted by AJCE, major projects accomplished by AJCE members, abridged translation of FIDIC NEWS, opinions and information from AJCE members, etc.

Publication of NEWSLETTER

AJCE publishes NEWSLETTER in English once a year in March to provide information about AJCE activities mainly to FIDIC Headquarters and Member Associations. They are also distributed to the offices of related international organizations located in Japan. The latest issue features the annual seminar on technology, home-stay internship in cooperation with Australia MA, and major projects accomplished by AJCE members.

AJCE Yearly Activity (2005)

Goro FUJIE

Secretary General, AJCE

AJCE Activity always unify with FIDIC events in which FIDIC Annual Conference shall be essentially important. On 2005, FIDIC Annual Conference was held at Beijing, China. Our membership with accompanied person participated over 50.

Upon announced FIDIC Conference Programme (Dairy), our Executive Committee will nominate plural members as reporters at programme within participants of the Conference and these reporters will study carefully their nominated issues including past documents of FIDIC also present situation of Japan. During the Conference, these reporters have duty to attend nominated programme.

After returned from FIDIC Conference (hereafter the Conference), participants will rush to prepare their reports for [AJCE the Conference Report Seminar] which normally will be held within two weeks after the Conference inviting all membership and other related Associations to report all contents of all Conference programme in order to raise interest also the reporters will comment their results of analysis on nominated programme to expand and develop AJCE activity reflecting FIDIC Policy in our membership.

Actually, AJCE continue to study MBD Contract, QBS, CB, DB, White-Book, and PSM etc at our concerned committees, sub-committees contacting with concerned committees of FIDIC to develop their study. These results of study will hand over to another reporter of the next year's Conference to deepen AJCE study continuously.

AJCE also translate [FIDIC News] in Japanese which deliver to our Membership and other concerned Associations including our Homepage which also raise interest of Membership.

AJCE have every year Annual Seminar to explain introductory contents how to apply FIDIC Publication on business and comments comparing with own business way. This Seminar is very useful for our Membership to inform what issues are most

concerned at Consulting Engineer Industry world widely and realize Q&A from the floor to let understand correctly. As the results, AJCE will find to focus what issue has to take for AJCE Membership.

AJCE have 8 standing committees apart from General Assembly Meeting and Executive Committee. There are divided into two divisions namely administrative committees which are Code of Ethics, Membership, Planning, General Affairs & Finance and other Activity committees which are International Activity, Professional Training, Interchange of Technology, and Information & Publicity. Normally, every committee has several sub-committees.

Apart from our internal activity for our membership, we expand our activity through small seminars at related industries such as Engineering, Manufacturing, and Governmental Organizations etc, to explain FIDIC standard Contracts series with guide-books by volunteers of our membership.

On the other hand, ODA Organization in Japan and other Associations appreciate our activity which is resulted us to invite in their survey our knowledge such as QBS, BIMS, DB, BIMS including Capacity-Building. We issue our questionnaire and send research-mission for FIDIC MAs and such results of our survey would develop to FIDIC as reference data. Probably this year we will develop own Capacity Building seminars not only for our membership but other related associations and governmental organizations which are expected to have same contents of business performance and extend to discuss same subjects on business developments.

All the way, we feel in Japan there is different business attitude between domestic market business and overseas market business. So that, our final goal would be intended to find the solution to approach to obtain same business attitude therefore AJCE have been trying to expand its activity to arrive this goal in some day.

A Letter From AJCE Office

"People do not remain in the same place, while the tree blossoms do and look almost the same every year". This is a part of a famous old Chinese poem which takes a view of man's life as something ever-changing.

One year has already passed since we distributed the last issue of the News Letter. This time a year ago, the cherry blossoms in the park near our office were just in full bloom, and now the buds have begun to be swelling day by day, telling us the whole country has just started to be covered with the new season again.

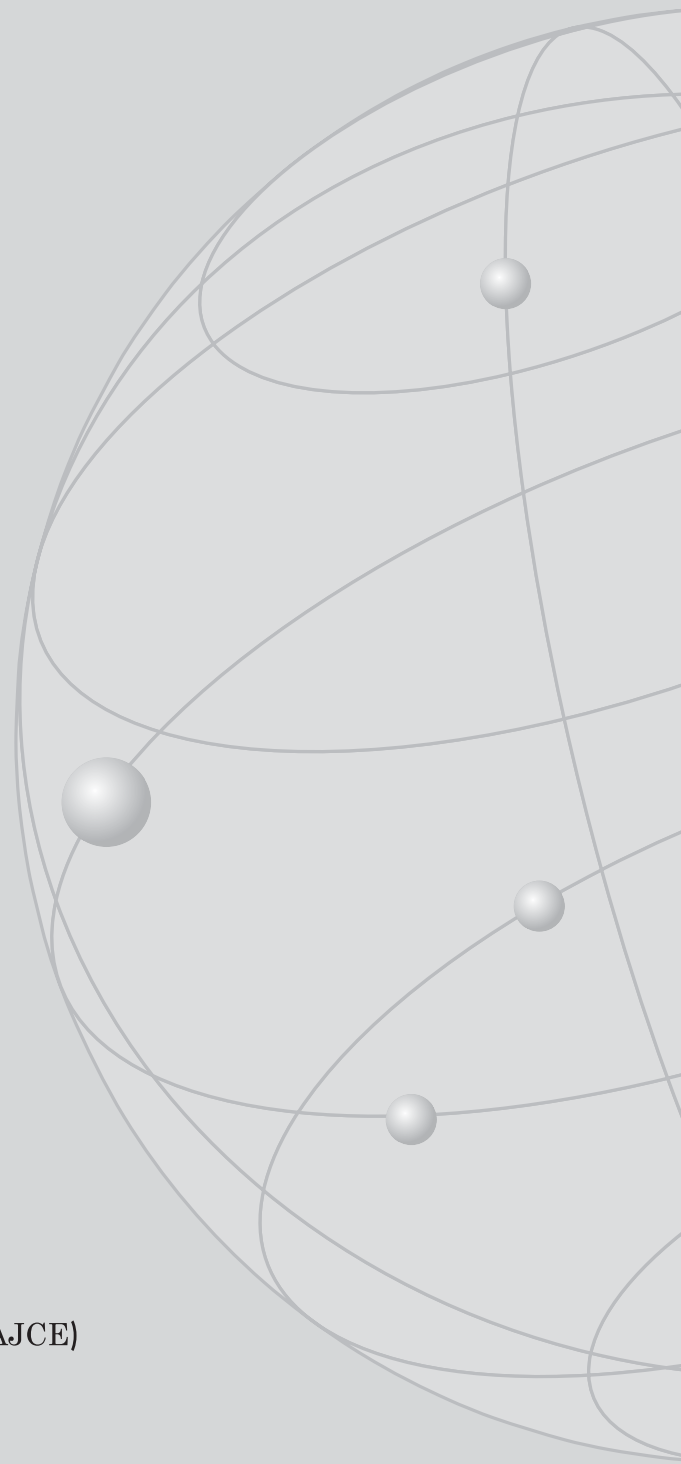
A year goes round so quickly. How many of us have been in the same state or of mind as we were just a year ago. Many incidents and events happened at home, abroad and in our industry too within the past year. The world is moving and constantly changing, and changes do not always bring good results. But things never truly come out until you see what you actually do, after all. It seems like this is the age in which we are tested and required how to keep "the attitude of the heart" to respond flexibly when we face those changes. We have to try to find a way for what we can do and what we want to be at any given time and place. This may be the comprehensive and eternal challenge.

AJCE, likewise, initiated and accomplished many activities this year, as you can see from the reports of each article. The board members will be reorganised in coming June and several new members will join the committees to freshen them up. AJCE is about to plunge into a new stage. Looking back how we have changed for the past years, we will try to make any vague visions we may have clearer for thinking how we want to be changed in the coming year and what we can do to be still more attractive association.

Again, changes sometimes do not bring good results, of course, but when you get ready to accept every single slight change positively and begin to walk the path, it could possibly show you some great results you never imagined.

So, AJCE "do not remain in the same place" so that we can keep on progressing and so that we can see the cherry blossom next year with the big smile for the success of what we will have done within this year.

We do always appreciate every warm and kind support from all related domestic/international organisations and associations all over the world. We hope your days flourish at the very present moment, and toward the future you grow.



ASSOCIATION OF JAPANESE CONSULTING ENGINEERS (AJCE)
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