

JEL Contributes 1,350,000 Accident-free Man-hours to Shell ECC Project

JEL's site project team participated actively in the Behavioural Based Safety Observation Programme that encouraged everyone to help spot unsafe conditions and unsafe acts.

Shell Eastern Petroleum (Pte) Ltd has invested more than US\$2 billion to build the Shell Eastern Petrochemicals Complex in Singapore. The facility will include a new world-scale 800,000 tonne per annum ethylene cracker, a hydrotreater plus benzene and butadiene extraction units on Pulau Ular. A 750,000 tonne per annum mono-ethylene glycol (MEG) plant is being built on neighbouring Jurong Island.

The work scope in the project includes modifications and additions to Shell's existing refinery at Pulau Bukom to enable it to produce feedstock for the new ethylene cracker.

JEL was awarded the contract in April 2007 to carry out piping prefabrication, installation and painting work.

EHS Activities

JEL's site project team participated actively

in Shell's ECC Behavioural Based Safety Observation (BBSO) Programme that encouraged everyone to help spot unsafe conditions and unsafe acts.

Participation in Shell ethylene cracker complex's (ECC) Monthly Quality and Safety Poster Competition garnered JEL's site team attractive prizes, a reflection of JEL's valued contribution towards Shell ECC's Quality Environment Health Safety promotion.

JEL's site team also had its own HSSE (Health, Safety, Security and Environment) activities, e.g., training of new workers in safe handling of powered hand-tools.

The combination of such EHS (Environmental, Health & Safety) activities works positively towards making the workplace safe and free of accidents. JEL was proud to be presented a commemorative plaque by Shell ECC for its contribution of 1,350,000 accident-free man-hours towards

the project in February 2009. The ECC project achieved 15,000,000 accident-free man-hours in the same month.

JEL will continue to strive for safe workplace – "NO HARM TO ANYONE".



15 Million Safe Work Hours Contribution Plaque Awarded to Jurong Engineering Limited.



IPD RA Senior Project Manager Mr K B Chia receiving the 15 Million Safe Work Hours Contribution Plaque from the CB&I Lummus – TOYO JV Project Management.

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Commendable Safety Record At Az-Zour South Extension Project

On 28 February 2009, JEL was awarded a certification for achieving 400,000 man-hours without a lost-time accident by CMI Energy France Sarl.

JEL achieved this safety record within a tight schedule to install and commission eight CMI heat recovery steam generators (HRSGs). JEL is proud to be able to achieve this despite the arduous conditions and nature of work.

The extreme climatic condition at the site in Kuwait meant that the temperature can reach 52°C (the highest recorded temperature in summer) at site. Thus, the challenge of the project team was to adapt to the harsh working environment with a specific goal in mind -- to deliver and focus as a team, which required great effort.

The project team adjusted its working hours, leaving camp at 3am for the 4am call time and then working straight to noon, at the peak of the scourging heat.

Delivering as a team, the workers -- who came from the Philippines, Myanmar, Singapore, Malaysia, Thailand, Indonesia, China, India and Pakistan -- communicated well



Aerial view of HRSG's connecting to the turbine house through pipe rack.

with one another. They could be mistaken for a version of the United Nations.

Workers attended regular safety talks and training from the project management team as part of the regular tasks that came with the technical requirement of the project. During these sessions, the workers were given insights into three main concerns: **Understanding, Support and Cooperation.**

This helped to inspire workers to achieve the greater purpose of completing the project within the specified schedule without loss-time accident.

It was indeed both satisfying and fulfilling to have achieved the record, the result of the workers' passion as part of a team performing and delivering not only as individuals but as a team.

Most important, the record was achievable under the invaluable guidance and direction of CMI's Site and Senior Project Manager, Mr. P. Van Deun, and JEL's Senior Project Manager, Mr. C.F. Lee.

Mr Osamu Abiko, Managing Director of JEL, received the award on 1 March 2009 when he visited the project site during his recent trip to the Middle-East.

JEL Becomes bizSAFE Partner

In September 2008, JEL was conferred the status of a partner in the bizSAFE programme by the Singapore Workplace Safety & Health Council. As a bizSAFE partner, JEL was recognised as a key player which encourages its suppliers and sub-contractors to join the bizSAFE programme and improve their workplace safety and health systems. With its new status JEL now has the obligation to ensure that its suppliers and sub-contractors also play their part in making the workplace safe for workers.

JEL's Chief Executive Officer and Managing Director, Mr Osamu Abiko, says all his employees are proud of the company's achievement.

JEL as a bizSAFE partner was featured in The Straits Times on 8 December 2008.

Suppliers and sub-contractors congratulate JEL.

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Proud to be a bizSAFE Partner

Congratulations from all of us

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 MULTIHEIGHT SCAFFOLDING PTE LTD

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 LKW MECHANICAL ENGINEERING PTE LTD

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Jurong Engineering Limited, a Singapore based company is a leading engineering and construction company providing Engineering, Procurement, Fabrication and Construction Services. The company has gained recognition as a key player in construction of power plant, petrochemical plant and other industrial process plants.
 The company has executed similar project works in 25 countries in South East Asia, China, India Sub-continent, Middle East, Africa and Southern Caribbean.
 Having BizSafe Partner certification, we have committed ourselves to support Workplace Safety & Health Council's approach towards workplace safety and health excellence. This can be made possible with our diverse staff from more than 12 nationalities, from different cultures and environment. Key concept is safety which all team members must work together to make the workplace safe for everyone.

JEL Secures Fujairah Plant Contract From Alstom Power

The award shows that Alstom Power, JEL's long-term customer, has confidence in JEL's capabilities with its current aggressive approach in the Middle East.

In December 2008, JEL was awarded the 2,000 MW Fujairah 2 power plant works by Alstom Power.

The work scope consists of: installation of five GT26 gas turbines and three steam turbines from Alstom Power, plus related piping and auxiliary equipment, insulation and painting work. The pre-fabrication of piping was also awarded to JEL.

This is Alstom Power's first project in the Middle East that utilises the high efficiency GT26 turbines, as well as its first independent water and power plant (IWPP) contract in the region.

Immediately after the award, JEL set up its branch office in Fujairah and obtained its trade licence and company registration with the assistance of a local national agent Fujairah International Trading Company (FITCO).

Located east of Dubai, Fujairah is one of the seven emirates in the United Arab Emirates (UAE). The power plant is located next to the Qidfa power station five kilometres south of Khor Fakkan and 20 kilometres north of Fujairah city.

This is the seventh and largest IWPP project to be commissioned

by the Abu Dhabi Water and Electricity Authority (ADWEA).

Alstom Power is JEL's long-term customer and the award shows the confidence that Alstom Power has in JEL with its current aggressive approach in the Middle East.

This power and water desalination plant was awarded to International Power of the United Kingdom and Marubeni Corporation of Japan. The plant will be jointly owned by ADWEA and Abu Dhabi National Energy Company TAQA. They formed a new project company – Fujairah Asia Power Company (FAPCO) – to develop, own and operate the plant. This company has awarded the engineering, procurement and construction (EPC) contract for Fujairah F2 to a consortium of Alstom Power for the power portion and Sidem (Societe Internationale De Dessalement) for the desalination portion.

When completed in 2010 the new IWPP will have a net generating capacity of 2,000 MW of power and 130 MIGD (million imperial gallons per day, equivalent to about 600,000 cubic metres per day) of potable water.

Health & Safety Are Our Business

JEL has always placed much emphasis on health and work safety issues. In line with its belief that "a safe and healthy business is also a productive and profitable business", JEL will continue to promote health and work safety awareness among its employees. Employees will attend safety courses relevant to their respective trades and put into practice what they have learnt towards making the workplace safe.

Of equal importance is the emphasis on training of new employees on the handling of powered hand-tools. Analysis of accidents trends showed potential serious injury from use of powered hand-tools. Hence, new employees are given hands-on training of such hand-tools (see photo).

With the elaborate health and work safety awareness in place, workplace injury has been well controlled within JEL targets.

Singapore's Workplace Safety & Health Council's (WSHC) philosophy of "No conflict between safety and profitability" goes hand in hand with JEL's business emphasis.

JEL supports WSHC's "bizSafe



Workers undergo training on proper use of powered hand-tools (hand grinder).

Programme" and has recently been accepted by WSHC as a bizSafe Partner. Besides implementing an effective safety management system, JEL as a large organisation and bizSafe Partner, has the responsibility to encourage its suppliers and sub-contractors to participate in the bizSafe programme as

bizSafe Enterprises. As bizSafe Enterprises, suppliers and sub-contractors will have to adopt better management of its safety activities at the workplace.

JEL's status as a bizSafe Partner was featured in the Straits Times on 8 December 2008.

Corporate Affairs @ JEL

Nothing succeeds like success. At Corporate Affairs Division we strive – not to supervise but to lead.

The future has a way of arriving unannounced. In tandem with the collective efforts of other divisions and departments, our managerial philosophy is to learn from mistakes, implement changes, recognise the need to reinforce our skills, inculcate excellence into a habit, and make it happen.

At Corporate Affairs, we have three departments – legal and corporate secretariat, associates and subsidiaries, and information technology (IT).

Led by Mr T J Khor, Corporate Affairs plays a vital role in shaping JEL's corporate policies and governance, managing relationships between JEL and its clients, forging new frontiers, and spearheading JEL's IT strategy while keeping a grasp on its financial bottom line.

Legal & Corporate Secretariat

The Legal & Corporate Secretariat ensures that JEL and its subsidiaries comply with the relevant legislation and regulations and keeps the senior management and the board members abreast of their legal responsibilities. The Legal & Corporate Secretariat is also responsible for reviewing contracts, providing legal advice and opinion, administering contracts, liaising with law firms and representing the company in contract negotiations and dispute resolution.

Associates & Subsidiaries

This department liaises with 14 subsidiaries, 2 associates companies and various branch offices of JEL. Its responsibilities and duties are to collate, maintain and update the latest information on the subsidiaries, associate companies and branch offices. It has the expertise to formulate and implement new strategies, policies, long- and short-term goals and set objectives for the subsidiaries, associate companies and branch offices.

It makes informative recommendations to management based on market research on new markets overseas where JEL has existing and prospective business interests.

This is to ensure that the management has an accurate evaluation of the business risks involved in undertaking overseas projects.

Information Technology

To boost JEL's business productivity and to effectively facilitate seamless communication within the organisation and among the subsidiaries and associates, we have engaged the best of proven cutting-edge technology such as Skype and video conferencing tools.

In the year 2009, JEL will be spearheading into the digital era with the Enterprise Resource Planning (ERP) system. This system will introduce a unified system across the organisation which will facilitate and ease information-sharing, eliminate and reduce redundancy, implement industry's best practices and improve on inter-divisional and inter-departmental coordination.

To ensure both clients and colleagues alike are kept abreast of the latest news and happenings in JEL as well as its subsidiaries, associate companies and branch offices, we at Corporate Affairs have introduced an informative platform called JEL Quarterly Bulletin -- from which news and happenings in different departments can be disseminated and celebrated. The feedback indicates that the bulletin has been



Mr T J Khor
– Head of Division

very well received. Of particular interest is the recent addition of a lucky draw column which has drawn prompt and encouraging staff participation.

But then, a desk is a dangerous place from which to view the world. So, we reach out and share. Apart from business dealings, "we are here to live out loud, have a heart and give!" We reach out to charitable and non-profit organisations such as the Handicaps Welfare Association, Adventist Rehab and Nursing Centre, Disabled People's Association and the Singapore Red Cross Society. On behalf of JEL, the department facilitates the donations of monetary contributions for charity.

We, at Corporate Affairs look forward to a challenging year ahead in 2009. Together we want to excel because united we stand and divided we fall. That is the corporate spirit at JEL.

Ganbatte!



Seated from left to right : Mr Lee Cheng Kiat, Mr T J Khor and Mr Vishal Gurung. The back rows are staff of Corporate Affairs Division.

JEL Creates New Sales & Marketing Division

JEL has recently set up a new division known as Sales & Marketing Division to take over the company's group sales and marketing activities.

Headed by Mr Koh Kew Sek, Managing Director of Thai Jurong Engineering Limited, the division's main objective is to forge new frontiers and to serve new business opportunities for JEL in both the local (Singapore) and overseas markets. He is assisted by Mr Kua Hwee San.

To achieve this, the division aims to provide clients with better information of JEL's

expertise and experience in both the local and overseas markets. It also endeavours to maintain strong, trustworthy and lasting business relationships with clients.

The division's immediate challenge is to identify and penetrate new and previously uncharted markets. From there it will work towards achieving its planned objective.

With this new beginning, it is timely for the division to explore new frontiers.

Enquiries can be sent to: Mr Koh at kohks@tjel.co.th/kskoh@jel.com.sg or Mr Kua at hskua@jel.com.sg



Mr Koh Kew Sek
– Head of Division



Mr Kua Hwee San

JJEL Celebrates 30 Years

Japan Jurong Engineering (JJEL), a wholly owned subsidiary of JEL, was established on 31 January 1979, making this year its 30th anniversary.

Seventeen years ago, JJEL moved its office to its current location of about 90 square metres near Ebisu Station, Tokyo.

JJEL has two roles to play – to coordinate between the JEL Group and its Japanese customers as the Group's representative in Japan, and to dispatch foreign plant engineers to Japanese plant manufacturing companies.

Coordination with Japanese Clients

The major portion of JEL Group's sales is contributed by Japanese companies with Japanese shareholders. The way businesses are run and decisions are made is different in a Japanese company compared with non-Japanese ones. The most important duty of JJEL is to promote JEL in Japan and to bridge the gap between the different Japanese clients and JEL and its subsidiaries.

Personnel Dispatch Business

JJEL performs the function of dispatching experienced, qualified and suitable engineers sourced from Japan and around the world to JEL's clients in Southeast Asia and the Middle East.

JJEL has the following advantages:

- ◆ Knowledge and experience in plant business;

- ◆ Ready and available pool of capable engineers to easily cater to clients' requirements;
- ◆ Ability to provide engineers within a short time;
- ◆ Ability to reduce manpower expenses compared with other companies maintaining in-house Japanese engineers; and
- ◆ Ability to reduce clients' burden such as obtaining entry visas for Japanese personnel and arranging for work permits, accommodation and taking care of engineers' families, etc.

Currently, 30 engineers from Malaysia, India, Philippines, Britain, Greece, China and Japan are being dispatched to MHI, IHI, Toshiba, TAC and Okamura.

Their jobs are diversified and cover all



Mr K Samejima,
MD of Japan
Jurong
Engineering.

aspects of plant construction, such as project engineering, mechanical engineering, E&I, engineering, and QA, QC and QS services.

Future Tasks

In line with its policy of "Customer Oriented Service", JJEL will continue to offer swift and professional services to its clients.



From left front row: Mr. K. Samejima and Mr. T. Akiyama.
From left back row: Ms. M. Ohmichi, Ms. Y. Fukasawa, Ms. J. Kihara and Mr. T. Miyazawa.

Recipe: Oyako-Don (Chicken & Egg on Rice)

A Taste Of Mrs Abiko's Culinary Delight



Combined, Oya (parent, i.e., chicken) and Ko (child, i.e., egg) together with Don (big portion of cooked rice) makes an authentic Japanese dish, one of the most popular dishes among the young as well as the aged in Japan. Incidentally, MosBurger Singapore has recently started serving "Oyaku Rice Burger".

Ingredients

- ◆ 200 gm cooked Japanese rice
- ◆ 150 gm chicken thigh deboned (with skin)
- ◆ ½ big white onion
- ◆ 2 sprigs spring onion
- ◆ 3 eggs

Sauce

- ◆ 200 cc dashi (Japanese basic stock)
- ◆ 1-1/2 to 2 tablespoon Japanese soy sauce (e.g., Kikkoman)

- ◆ 1 tablespoon sugar
- ◆◆ 2 tablespoon mirin (sweet Japanese rice wine for seasoning)

Others

- ◆◆ "Kizami nori", cut laver (dried edible seaweed) into small strips
- ◆◆ Sake (Japanese rice wine) for marinating

(Note: ◆◆ these are not necessary, but are recommended to make the dish more savoury.)

Preparation

- ◆ Cut chicken into 1.5 cm cubes and marinate with a little sake.
- ◆ Cut white onion into thin slices.
- ◆ Boil sauce mixed in a small flat pot and put in white onion first. Briefly boil, add chicken until almost cooked.
- ◆ Beat 3 eggs and pour over the chicken in circular motion and stir using chopsticks.
- ◆ Sprinkle spring onion over and cover the pot with a lid. Turn off the fire. Leave the lid on until egg is half done.
- ◆ Place a portion of hot rice in a bowl and top it with the chicken and egg very carefully over the rice.
- ◆ Sprinkle the laver as garnishing.

How to make "Dashi" (Japanese basic stock)

There are three ways to make "dashi". The first is the easiest way, the second and third are recommended for soup, as they have more taste and fragrance.

- 1 Use Japanese soup stock – looks like chicken cubes. Just add hot water.
- 2 Use Dashi pack – boil with water like "bak kut teh" soup pack.
- 3 Use original ingredients – boil dried kelp and bonito with water and strain.

(Note: If you use pork or chicken cutlet instead of chicken meat, the dish is called "Katsu-Don" ["Katsu" is cutlet in Japanese]. For this dish warm it up with the sauce. Do not boil for too long, otherwise the cutlet becomes soggy.)



Lucky Draw

Winners

The Editorial Board congratulates the lucky draw winners of the November 2008 issue. They will each receive a 2GB Imation Thumbdrive, courtesy of the Corporate Affairs Division.

Contest

We are giving away the following prizes for the lucky draw contest: 1st prize – Maxtor 250GB USB Harddisk sponsored by Business IT; 2nd to 5th prizes – 4GB Thumbdrive sponsored by Nomura Research Institute, Singapore; Consolation prizes – 15 T-shirts sponsored by Long Xin Enterprise Pte Ltd.

Simply answer the four questions and send your answers, together with your name and address to dewie@jel.com.sg or 25 Tanjong Kling Road, Singapore 628050.

(Hint: answers can be found in this issue of the bulletin.)

The questions for the contest are :

1. What is the net power generating capacity of the new IWPP project in Fujairah when completed in 2010?

2. Japan Jurong Engineering has 2 roles to play – what are they?

3. When & by whom was JEL conferred the status of a partner in the bizSafe Program?

4. What major difficulty did JEL's project team have to overcome in the Az-Zour South Extension Project in Kuwait?

Name: _____

NRIC No.: _____

Address: _____

Contact

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While every reasonable care has been taken to ensure the accuracy of the information printed in this bulletin, no responsibility can be accepted therefor.

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