



www.jel.com.sg

BULLETIN

Official Opening of the EESB and JML Malaysia Office

Equator Engineering Sdn. Bhd. (EESB) and JML Maintenance Sdn. Bhd. (JML Malaysia) moved to their respective new offices on the 3rd and 6th floor of IOI Boulevard, Puchong, Selangor Darul Ehsan. As is the trend nowadays, IOI Boulevard is a commercial development that is lifestyle-centric. It consists of 6 blocks of 8-storey office outlets and the Palette (comprising thirty-six 2-storey retail outlets plus a courtyard), and is one of the newest and hottest venues for business, retail, food and leisure. It is located in one of Puchong's fastest growing satellite township—Bandar Puchong Jaya—and is accessible via the KESAS Highway and the LDP Highway.

On 1st July 2011, EESB and JML Malaysia had their Joint Official Office Opening at the Palette. Among the VIPs present were Chairman for EESB, Mr Shahryn Azmi, JEL Chairman Mr Bob Tan Beng Hai, EESB Managing Director Mr Seiichi Daita and JML Managing Director Mr Mohamed Anwardeen.



Guests viewing EESB's and JML Malaysia's facade signage installed at the 3rd and 6th storey of IOI Boulevard



Chairman of EESB, Mr Shahryn Azmi, and Chairman of JEL, Mr Bob Tan, proudly showing the plaques to the crowd

To mark the opening of the new office, Mr Shahryn Azmi and Mr Bob Tan Beng Hai were invited onto the stage for the symbolic unveiling of the EESB and JML Malaysia plaques, which were encased within two ice sculptures. Using a special tool, they struck at the centre of the ice sculptures, shattering the ice and revealing the plaques—to the sound of loud applause from the crowd. They proceeded with a tour of the new office, accompanied by Mr Seiichi Daita, Mr TJ Khor and clients. The group then walked out to the entrance of the Palette to view the EESB and JML Malaysia facade signage, installed at the 3rd and 6th storey of IOI Boulevard.

There were many distinguished guests, long-time clients, sub-contractors and suppliers who graced the opening ceremony. Among the notable guests who attended were IHI Corporation, JEL, Kaneka, Mitsubishi Corporation, TPSP Engineering and Trans-Elite.

As a gesture of appreciation, guests were treated to light music and traditional dances, and served various Malaysian and Japanese delicacies. The celebratory event came to close at about 2.00 pm.

HIGHLIGHTS

- 1 ♦ Official Opening of the EESB and JML Malaysia Office
- 2 ♦ Sabiya CCGT Project – Partial Commercial Operation Delivering 1,350MW
- 3 ♦ Tanjung Jati "B" Expansion Project – Another Feather Added to the JEL Crown
- 4 ♦ PT Jurong Engineering Lestari (PTJEL) Team Successfully Completes the Cikarang Listrindo 128MW STG Set Erection Project
 - ♦ PTJEL is now ISO 9001:2008 certified
- 5 ♦ Work Hard, Play Hard – PTJEL's Futsal Team Can Do It, Can You?
 - ♦ PTJEL Completes its 1st Maintenance Work on the Tanjung Jati "B" Chimney Expansion Joint Replacement
- 6 ♦ Thai Jurong Engineering Ltd Secures Contract for the Construction of a 110MW Gas-Fired Cogeneration Power Plant
- 7 ♦ JEL IT Development – A Message from IT Head of Department, Mr Jack Ng, on the SAP ERP System
 - ♦ JEL's Engineering Capacity and Capability Expansion
- 8 ♦ SCAL Cricket Challenge Cup 2011
 - ♦ Win Prizes in Our Lucky Draw

Sabiya Combined Cycle Gas Turbine (CCGT) Project – Partial Commercial Operation Delivering 1,350MW

Our works for the Sabiya 2,000MW Combined Cycle Gas Turbine (CCGT) Project in Kuwait comprise the erection of pipe rack steel structure and piping and the Balance of Plant (BOP) equipments. The erection work started in July last year and in spite of the extremely hot weather, sandstorm and change of working time to adapt to different weather conditions, we have achieved the Early Completion Operation Date (ECOD) on the 27 June 2011. The six Gas Turbine Generators and its associated auxiliaries (open cycle operation), producing 1,350 MW, was handed over by General Electric (GE)/ Hyundai Heavy Industries Co., Ltd (HHI) to the Owner, Ministry of Electricity & Water (MEW) over a ceremony attended by VIPs including the new MEW minister, MEW directors, US Embassy, Korean Embassy and the media. This is a milestone achievement for all contractors who contributed their time and effort on this project. The completed plant is scheduled

for combined cycle operation and the handing over for commercial operation (PCOD) at the end of December 2011.

For this success, the performance of the JEL Kuwait project team spearheaded and guided by Mr Lee Chin Fatt, Senior Project Manager, was highly appreciated and recognized by our client Hyundai Heavy Industries Co., Ltd (HHI); and the President/CEO of HHI has awarded JEL with a “Certificate of good Performance”, acknowledging JEL’s good safety record, dedication and excellent performance in this project.

Furthermore, the recent visit by Mr Seiichi Daita, JEL’s Managing Director/ Chief Executive Officer, to the Sabiya job site was very well received by the HHI Sabiya top management. He had a meeting with the Executive Vice President for HHI Project, Mr Lim Young Kil, Sabiya Project Director, Mr Sung Moon Sup, and their key project management staff. JEL’s capacity and capability have already



been acknowledged previously by HHI’s headquarters where it was proclaimed that JEL is a good partner for future HHI projects.

JEL’s Kuwait project team has established a good relationship and firm foundation with HHI and will be looking forward to further collaboration with HHI.



Overall View of Piping and HRSGS



Our MD, Mr Seiichi Daita, together with the JEL Project team and HHI Management Staff

Tanjung Jati “B” Expansion Project – Another Feather Added to the JEL Crown

PTJEL has completed the initial firing of Unit #4 Boiler under the Mechanical, Electrical & Instrumentation (E&I) erection contract of two 660MW steam generators for the coal-fired thermal power plant in the Tanjung Jati “B” Expansion Project, Indonesia—contract awarded by the Sumitomo Corporation Boiler Division (MHI, Nagasaki) on 14th November 2008. This milestone event was successfully completed on 11th June 2011, ahead of schedule. The commissioning of Unit #3 Boiler and Unit #4 Boiler is currently ongoing and substantial completion is expected to be achieved by mid October 2011 and mid January 2012 respectively. The invaluable experience gained by PTJEL in the erection of Unit #1 and #2 Boilers in the same location was advantageous to PTJEL getting the job order from MHI, Nagasaki.

To be able to achieve the substantial completion of two boilers—with three months pitch between the two—within the compressed schedule of 24 months, is a remarkable accomplishment even given the JEL Group’s experience. From the first column erection for Unit #3 Boiler, which started on 5th October 2009, all of the milestone events for each of the boilers were continually achieved by PTJEL ahead of schedule, in spite of the heavy torrential rain largely



Tanjung Jati “B” expansion project unit #4 boiler – initial firing ceremony

experienced in this region. This achievement was made possible due to the valued encouragement and solid support given to PTJEL by its parent company and enthusiastic guidance offered by the client, Sumitomo Corporation, Boiler Division. The dedicated hard work of PTJEL site staff should also not go unmentioned.

This Plant is located adjacent to the existing Tanjung Jati “B” (TJB 1&2) Power Plant (1320MW) in Jepara, Indonesia. The new power plant will be independent from the existing installation except for certain facilities, including the connection to the power grids, limestone jetty and ash disposal area.

With the completion of the Unit #3 and Unit #4 Boilers, PT Central Java Power will gain an additional power source of 1320MW to augment its power distribution potential.



Tanjung Jati “B” expansion project unit #3 – boiler and turbine building

PT Jurong Engineering Lestari (PTJEL) Team Successfully Completes the Cikarang Listrindo 128MW STG Set Erection Project

The PTJEL team has successfully completed the erection work for the 128MW Siemens Steam Turbine Generator (STG) Set Erection Project at the Cikarang Listrindo Power Station in Cikarang, West Java, Indonesia.

For the project, PTJEL served as the mechanical, electrical and instrumentation contractor. The scope of work comprised the installation of a 128MW steam turbine generator set and condenser, and heavy lifting of the generator with hydraulic jacks.

This project was executed by PTJEL's own team—from site

management staff to supervisors, as well as general workers. This is the second directly executed project that was completed in Indonesia.

PROJECT HIGHLIGHTS:

- Heavy lifting of generator using gantry and hydraulic jacks
- Equipment: 1 Siemens STG, 1 Brush Generator, 1 Hogforrs Condenser
- Zero fatal accident
- 2nd project executed with direct hired staff and manpower



PTJEL Cikarang's project site management team, led by Site Manager Mr Andri Normansyah, and the crew after the on-base of Generator was completed smoothly and successfully

PTJEL is now ISO 9001:2008 certified



PTJEL is now ISO 9001:2008 certified. It has the necessary standard and quality to undertake EPC and Fabrication & Maintenance Services for Power Plant and Industrial Process Plant scope of works.

ISO 9001 is the most comprehensive level of certification, accepted by 90 countries around the world. It provides third-party recognition that PTJEL has the management quality to ensure that all instrumentation and services are consistently of the highest quality.

PTJEL's management, under Mr Yap Chee Lung's leadership, had decided it was time to put in place some quality standards that everyone in the company could follow as guidelines.

The implementation and audit process was concluded smoothly, thanks to the hard work of the PTJEL ISO Team.

Work Hard, Play Hard – PTJEL’s Futsal Team Can Do It, Can You?



PTJEL's Futsal Team, led by Mr Eric Tandar (Jersey No. 11), ready for action

PTJEL's staff has engaged in Futsal (indoor soccer) for almost a year now, as an easy and affordable way to relax, get to know co-workers and enjoy a healthy activity outside of work hours.

The Management of PTJEL has always encouraged employees to pursue a healthier and more active lifestyle, and regards the game of Futsal as an excellent team building activity that not only helps build team spirit and relationships, but also improves fitness.

Healthier staff and a stronger team spirit in turn translates to higher productivity and staff morale, which also benefits the company in the long run!

PTJEL Completes its 1st Maintenance Work on the Tanjung Jati “B” Chimney Expansion Joint Replacement

The chimney expansion joint replacement project was PTJEL's first direct sales project in Indonesia to Mitsubishi Heavy Industries Limited for PT. PLN (Persero), as the owner.

It was also PTJEL's first project executed with its own directly hired staff and manpower without any sub-contracting.

As part of the project, PTJEL's scope of work also included mechanical, maintenance and inspection work. The first maintenance work was completed ahead of schedule, and with a good safety record.

The client was so pleased with the quality of work and progress that it gave PTJEL an Excellence in Construction Award letter in recognition of their performance.

PROJECT HIGHLIGHTS:

- Completion ahead of schedule
- 1st project executed with directly hired staff and manpower
- Received an Excellence in Construction letter from our client, Mitsubishi Heavy Industries
- Zero fatal accident



The PTJEL Maintenance Team, led by Mr Teguh Hawan, on top of the 250 metres tall chimney overlooking the Jepara woodland

Thai Jurong Engineering Ltd Secures Contract for the Construction of a 110MW Gas-Fired Cogeneration Power Plant

In January 2010, Thai Jurong Engineering Ltd., a subsidiary of Jurong Engineering Ltd., secured a contract for the construction of a 110MW gas-fired cogeneration power plant ("the Plant") at Siam Eastern Industrial Park for Thai National Power 2 Co. Ltd.

The Plant is based on General Electric's LM6000PF gas turbines in a 2+1 configuration with steam extraction from the steam turbine. It is planned that 90MW of the output will be sold to the Energy Generating Authority of Thailand, with the balance 20MW sold to industrial users. The work for the new Plant commenced in July 2010 and the plant will be operational in 2012. At present, the main equipment foundations have been constructed and the installation of the heat recovery steam generator (HRSG) is in progress.

With the award of the contract, Thai Jurong Engineering Ltd.

has yet again established itself as a leading and trusted power plant builder in Thailand.

While Thai Jurong Engineering Ltd. has been entrusted with the construction of the plant, our parent company, IHI Corporation, was awarded the contract for the engineering, procurement and manufacturing, as well as the import and supply of major equipment to be incorporated into the Plant. The award of the contract to IHI Corporation is testimony of the confidence that international companies in the power industry have in the capability, technology and reliability of IHI Corporation as a reputable power plant constructor.

Thai National Power 2 Co. Ltd. is a 100% subsidiary of Thai National Power Company Ltd., which currently owns a 143MW gas-fired power plant adjacent to the Plant.



The erection works of the 110MW gas-fired cogeneration power plant in progress

JEL IT Development – A Message from IT Head of Department, Mr Jack Ng, on the SAP ERP System

SAP (System Application & Products) has been my top priority since I took charge from last September. Basically, implementing a successful ERP (Enterprise Resource Planning) system is not an easy job due to its project scope, business workflow, and complicated technical architecture. Fortunately, with the support and diligence of involved individuals, we are able to have a stabilized and smart system to enhance the efficiency of our operations.

For the next 2 quarters of the year, we are going to revamp our IT infrastructure for software, hardware, services, network, and security. At the same time, new technologies like cloud computing, virtualization, and mobile applications will be brought into the scene as well. It is necessary to build a solid foundation before we develop and integrate these systems into the infrastructure.

For 2012, rollout of the SAP ERP system to subsidiaries will be our main focus. In addition, we will also be developing JEL information portals, reengineering business workflow and processes, and

rebuilding multiple applications for different departments.

After the completion of the above tasks, we will start to enhance our SAP ERP capabilities with Business Intelligence technologies in 2013. Along the way, other enterprise systems like KM (Knowledge Management), CRM (Customer Relation Management), WMS (Warehouse Management System) and various sub-systems will be integrated with the SAP ERP system in order to form a complete and intelligent system for JEL's business operations.

While certain SAP users may experience some teething problems during the implementation stage, I firmly believe that we will be able to overcome all these obstacles. Finally, I would like to thank the Management and all individuals involved in SAP for their support, patience, and persistence. With all their support, we can make this implementation happen and move on to a new chapter in JEL's IT management.



The IT Team (Standing from left) Mr Allen Thai Yen Wei and Mr William Tan Yong Teck (seated from left) Mr Samsulbahri bin Abas, Ms Honey Oo, Mr Jack Ng Sheng Keat (HOD)

JEL's Engineering Capacity and Capability Expansion

JEL recently acquired a 30% minority equity shareholding in Petroleum Consulting Engineers (Mumbai) Private Limited ("PCE"), a company based in Mumbai, India, that specializes in engineering design and detail engineering services.

PCE was incorporated in 2001 and has vast experience in providing engineering design and detail engineering services for chemical and petrochemical plants, and power and industrial plants. It has served clients such as Engineers India Limited, Petron Engineering Construction Limited, SNC Lavalin Engineering, Toyo Engineering India, Uhde India, and RELIANCE Industries Limited, amongst others.

The acquisition of a 30% equity shareholding in PCE will be mutually beneficial for both JEL and PCE, in that, technical knowledge and engineering expertise in the areas of engineering design and detail engineering services may be exchanged between both PCE and JEL's Engineering Division. Other than the exchange of technical knowledge and engineering expertise, JEL, its subsidiaries and associate companies may also collaborate with PCE in areas where PCE's expertise is required.

In fact, the acquisition of PCE will serve to complement JEL's Engineering Division—whereby PCE will be able to provide engineering design and detail engineering expertise and services in projects secured by JEL's group of companies.



Mr Seichi Daita, Managing Director of JEL and Mr Kiran Kulkarni, Managing Director of PCE shaking hands after the signing ceremony

SCAL Cricket Challenge Cup 2011

The Singapore Contractors Association Ltd (SCAL) organized a cricket tournament for Singapore registered contractors on 30th April and 1st May 2011. Although JEL had never participated in a cricket tournament before, it gamely participated in this tournament. The JEL cricket team, which comprised members from all departments in JEL and JML, had many practice sessions to prepare themselves for the tournament.

JEL Managing Director, Mr Seiichi Daita, Mr TJ Khor from Corporate Affairs Division and Mr Tan Chee Hua from Human Resources Department, were apprised of the rules and regulations

of cricket and even participated in the practice sessions, where they got a feel of the game before the actual tournament. They were also present at the tournament to give moral support to Team JEL, as were many other JEL staff who turned up to cheer the Team on.

Even though JEL did not emerge victorious in the tournament, it was nevertheless an enriching experience for the team players. Players from different nationalities participated in the tournament making the experience all the more interesting.

We are sure our cricket team will better their performance in future tournaments.



Cheers!!! JEL Team



Mr Daita and Mr TJ Khor are having first hand experience with the ball and the bat

Lucky Draw

Contest

We are giving away a 4GB Card-Drive each—sponsored by JEL Maintenance Pte Ltd—to the first five correct entries picked. Another ten consolation prize winners will each receive a Golf Umbrella, kindly sponsored by Songda Jurong Construction Joint Stock Company.

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

(Hint: answers can be found in this issue)

Name: _____ NRIC : _____

Address: _____

The information contained in this email message (including any attachments) is privileged and/or confidential and is intended only for the use of the individual or entity named above. If you are not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. Jurong Engineering Limited (or its group companies) does not guarantee that the integrity of this communication has been maintained or that this communication is free of viruses, interceptions or interference. If you have received this communication in error, please destroy the message and notify us immediately at administrator-jel@jel.com.sg.



The questions for the contest are:

1. Thai Jurong Engineering Ltd has established itself yet again as a leading and trusted power plant builder in Thailand. Is this statement true and why?

2. EESB and JML Malaysia had their joint official office opening on 1st July 2011. Who were the VIPs present to mark the opening of the new offices?

3. What is our scope of work for the Sabiya 2,000MW Combined Cycle Gas Turbine Project in Kuwait?

4. What is the main focus for the SAP ERP system for the year 2012?

5. What was PTJEL's remarkable accomplishment in the Tanjung Jati "B" Expansion Project?

Contact

Marketing enquiries, comments and feedback should be addressed to the Corporate Affairs Division at marketing@jel.com.sg
tel: 65 6265 3222 fax: 65 6265 9842



EDITORIAL TEAM: TJ Khor, Tadanao Sato, Dewie, Steven Chia, Tee Keng Hock, Steven Teo, Jasmine Chia and Wong Kai Pheng.
While every reasonable care has been taken to ensure the accuracy of the information printed in this bulletin, no responsibility can be accepted therefore.
Published by Jurong Engineering Limited, 25 Tanjong Kling Road, Singapore 628050. Company Registration No.: 200500869G
Editorial & Design: P D Addison. Printer: Shotech Press Pte Ltd