

Expanding Horizons In New Territories

JEL secures a sub-contract to construct eight CMI heat recovery steam generators for the Az-Zour extension combined-cycle power plant.

The State of Kuwait is a constitutional emirate with the Emir, hereditary title, as the head of state. It has the oldest directly elected Parliament in the Persian Gulf. It has a population of 2.5 million people and an area of 17,820 square kilometres. Arabic is the official language while English is considered the second and business language. Thus communication is not a problem.

Its relatively open economy is dominated by the oil industry. It sits on the world's third largest proven oil reserves and is the world's fourth richest country with its oil generating 90 percent of the state revenue. Agriculture is very limited due to the lack of water and arable land. The country has a warm, tropical climate.

Its culture and food require a few adjustments on the part of foreigners unfamiliar with them. One can see a mix of Arabs, Egyptians, Indians, Pakistanis, Jordanians and Filipinos enjoying both Western and Middle Eastern cuisine in restaurants throughout the emirate.

The emirate is a great opportunity for JEL to expand its horizons. The eight units of heat recovery steam generators (HRSG) of the Az-Zour extension combined-cycle power plant provide a good example of an enriching and challenging experience.

JEL has secured the Az-Zour sub-contract from Cockerill Maintenance and Ingenierie (CMI). Its owner, the Kuwait Ministry of Electricity and Water (MEW), signed a contract in May 2007 with the turnkey joint-venture consisting of Siemens, CMI and Alghanim. Siemens is the venture leader responsible for the supply, installation and commissioning of two units of 2 x 250MW steam turbines, CMI for eight units of HRSG, and Alghanim for all the civil and building work and balance-of-plant.

JEL's scope of work includes the supply, manufacture and transport to site of the HRSG steel structure, casing, ducting, chimneys, piping and mechanical and electrical erection work. The erection schedule is from June 2008 to October 2009. Preparation of

the first HRSG steel structure started in early June 2008.

During the peak period, the workforce is estimated to be 300 staff and workers, both local and foreign. The provisional acceptance of the first and second blocks of four HRSGs (each block has four HRSGs) is in March 2010 and June 2010, respectively.

Playing its part in this great opportunity, our management project team is eager to contribute towards the success of this project, in line with our CEO Mr Osamu Abiko's message on expanding our productivity in new work places in different countries.

Our experience in this project will pave the way for more similar journeys and engineering breakthroughs in this fast developing region.

Overall view of the construction area for eight HRSGs.



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JEL Secures Shell Houdini Project Contract

Shell Eastern Petroleum (Pte) Ltd has invested in an ethylene cracker complex (ECC) as part of its Houdini project on Pulau Ular island, adjacent to Pular Bukom island, off southern Singapore.

The 800,000-ton-per-annum ECC project consists of an ethylene cracking unit, a pygas hydrogeneration/benzene extraction unit and a C4 selective hydrogenation unit, plus offsite and utility facilities.

The joint venture of Chicago Bridge & Iron and Toyo Engineering Corporation has been appointed as the authorised representative of Shell Eastern Petroleum. JEL was awarded a contract to provide pipe pre-fabrication as well as installation and painting work for Process Area 1.

The bulk quantity of the pipe pre-fabrication and installation work is being



The merged team shows great team spirit.

executed by the Industrial Plant Division, RA Department with the merger of JEL's Fabrication Centre and the Fabrication group. The team has shown excellent team

spirit and perseverance, and is confident that the project will be carried out with the "highest quality control service" and "no harm to anyone" concepts.

Partnership Clinches Orders For 25 PBBs

Their reliability, high quality and easy operability have become their distinguishing hallmarks.

In recent years, Asia's economic boom has been fuelling the demand at an ever increasing pace to upgrade existing aviation infrastructures in Asia. India is second to China in developing and expanding its aviation network.

With the Commonwealth Games 2010 to be held in India, the need to fast track modernisation of the country's airports with new terminals, concourses and runways is now of utmost urgency.

Vietnam is currently modernising its airports to meet increasing air traffic. The completion of Tan Son Nhat Airport (Ho Chi Minh) last year with an order of 16 passenger boarding bridges (PBBs) marks the ShinMaywa-JEL partnership's successful venture into the Vietnamese market.

From June 2007 to May 2008, ShinMaywa and JEL have jointly secured orders for 26 units of PBBs – 22 in Japan, three in India and one in Vietnam. The orders by the airport authorities in Narita, Kumamoto and Osaka are repeat orders, signifying the popularity of the cost competitive Paxway PBBs produced by the partnership.

Chhtrapati Shivaji International Airport at Mumbai.



The order for three PBBs for Chhtrapati Shivaji International Airport (Mumbai) Terminal 2 marks our entry into the Indian market.



Three arms docking to A380 airbus at the same time.

A single glass Paxway PBB will be produced and installed at Noibai, Vietnam.

The partners have been effective in meeting the fast tracked schedule which is common in the aviation industry, putting us ahead of competitors in Asia. The PBBs have already been installed at site, while 14 PBBs for the airports at Narita, Kumamoto and Osaka have already been delivered.

The outlook is good, with ongoing negotiations to secure 31 PBB's for Delhi, Mumbai, and Egypt later this year. Refurbishment works for existing eight existing Paxway PBBs in Brunei is also in the negotiation stage.

Middle Eastern countries are currently working on large aviation infrastructure projects to match the heavy air traffic in these countries. This represents an emerging market for further expansion of our business. Expectations will be high next year, as the partners seek to retain their presence of PBBs in Changi Airport, when tenders will be called for the replacement of more than 30 Paxway PBBs that are 20 years old.

EESB Committed To Improving Service Quality

The company has established itself as an ideal contractor working closely with multi-national companies in Malaysia.



Mr Swee Tiew Hin, Managing Director of EESB.

Incorporated in 1974, Equator Engineering Sdn Bhd (EESB) is committed to constantly improve the quality of services that it provides. EESB has established itself as a reputable construction company with a proven track record in Malaysia. In

1996, EESB became an ISO 9001 certified company.

Throughout its 34 years of operation in engineering construction, EESB has established itself as an ideal contractor in Malaysia, working together with many multi-national companies such as IHI Corporation, Alstom Export Sdn Bhd, General Electric (Malaysia) Sdn Bhd, ABB Power Generation Sdn Bhd, Toshiba Corporation Ltd, Kobe Steel Ltd, Mitsui Power (Malaysia) Sdn Bhd, Mitsubishi Heavy Industries Ltd, Toyo Engineering and Construction Sdn Bhd, Kaneka Engineering (Malaysia) Sdn Bhd, Rosek (Malaysia) Sdn Bhd and Samsung Engineering (Malaysia) Sdn Bhd.

Originally set up to service the power-generation and industrial-processing indus-

tries, EESB was encouraged by the rapid growth of the petroleum sector in the 1980s to enter the oil and gas and petrochemicals sectors, and has since been expanding as it seeks new business opportunities.

Power generation is EESB's major operational focus. It has to-date undertaken more than 70 national industrial power plant-related projects, ranging from diesel-powered, gas-fired, coal-fired and hydro-electric-powered plants.

Some of the major prestigious projects in which EESB has been involved include: Kapar coal-fired plant, Port Dickson independent power plant and Manjung coal-fired power plant.

The major petrochemicals projects EESB has undertaken include: polypropylene, methacrylate-butadene-styrene (MBS) and polyplastic plant in Kuantan, polyethylene plant in Pasir Gudang, ethylene plant and aromatics plant in Kerteh, and fertiliser plant in Kedah.

EESB's current projects are: Jimah independent power plant and some revamping and upgrading projects in Kuantan.

EESB's business strategy in the current competitive environment is

- to consolidate its position by fostering closer relationship with existing clients;
- to expand its client base; and
- to explore new business opportunities, particularly in the recent government-launched New Economic Development Corridors across Malaysia from 2007 to 2025.



Staff of EESB with Mr Swee (seated third from left).



Osumi Promoted

The Board of Directors and Management of JEL extend their congratulations to Mr T. Osumi on his promotion as Managing Executive Officer and President of Business Administration in IHI Corporation on 1 April 2008.

Mr Osumi (third from left) receiving a congratulatory gift from JEL Chairman Mr Bob Tan (fourth from left). With them are (from left) Mr Andrew Lim, Director; Mr Omura, Director; Mr Yoshida, Director; and Mr Osamu Abiko, MD and CEO.

TS Team: Providing 'Value Added' Services

The company has tasked newly formed team to focus on providing value added services to upgrading and improving existing plant performance to customer satisfaction.

The Technical Services Team (TS Team) was formed in late 2006 as a specialist department to provide a "Single Window" concept of the following value-added services:

- Shutdown, renovation and modernisation of plant performance;
- Technical advisory service for daily O&M (operation and maintenance);
- Annual inspection; and
- Service and planned maintenance work.

Recently, the TS Team has secured a service, maintenance and planned maintenance contract for two years from PowerSeraya for its Stage 1 Flue Gas plant, with an option of a one-year extension.

In the course of performing the normal contracted work, the TS Team has been working closely with the client to provide additional value-added services by making improvements to various systems in the plant.

Some of the improvements made were to the conveyor and piping systems. The proposed improvement work was carried out to the conveyor system to minimise spillage, resulting in less down-time and less manpower required to clear the spillage. Improvement work was also carried out

on one of the piping systems, resulting in a change of materials to minimise blockage as well as prolong maintenance intervals.

These improvements have resulted in cost and labour savings for the client and have improved the effectiveness of the TS Team in carrying out service and maintenance work.

The TS Team is currently undertaking the conversion of the existing Blocks 10 and 20 of

PowerSeraya's combined-cycle power plant into co-generation. This project was recently awarded by Siemens, the main contractor to PowerSeraya Ltd.

The TS Team will be responsible for the engineering, procurement, construction and erection of major mechanical components and field instrumentation required for the plant conversion.



The TS Team of staff and workers at a work site with Mr Tadano Sato (front row, second from left), HOD, Safety & Quality Management and Technical Services.

Commendable Safety Record

JEL was conferred a safety award from Sembawang Marine and Offshore Engineering (SMOE) for its commendable performance in the on-shore piping installation contract and module integration contract for the Bohai-FPSO Phase II development project. The project has achieved 15 million man-hours without a lost-time accident, in which JEL has contributed 1.2 million man-hours without a lost-time accident.



Raising Funds for Cyclone, Earthquake Victims

Jurong Engineering Recreation Committee (JERC) launched a fund-raising appeal in JEL for the victims in two disaster-hit regions. JEL employees responded wholeheartedly to this humanitarian cause and S\$5,378 was collected. The company pledged to match the donation by the employees on a dollar-for-dollar basis. The

total fund of S\$10,756 was collected and was handed over to the Singapore Red Cross to support the disaster relief efforts in Myanmar and China. JERC takes this opportunity to thank all those donors for their generosity towards this cause, and believes that their contributions will help to fulfil the victims' immediate needs.

To Be Emulated By The Best

The recent Group Finance Meeting challenges the team to reach new heights.

Achieving our Finance Vision is by no means an easy one. However, nothing is impossible if we keep striving and believing that we can get there. This is one key message that our Finance colleagues in JEL have repeatedly heard over the last two years, especially during the last group Finance Meeting held in April 2008.

As the corporate world continues to evolve, the demands exacted on finance professionals have been changing rapidly. They need to move away from being bean counters to business partners. The finance community at large has undergone and is still undergoing radical changes to embrace new challenges.

Besides new regulatory frameworks and corporate governance such as the Sarbanes Oxley Act (SOX) and J-SOX, in which the finance function has to keep up with, the finance community is expected to become more integrated with the business, be it in risk management, daily operations, tax planning, cost containment and profitability, just to name a few.

Many would agree that behind a great organisation there is always a good support function (in addition to a great sales and operations team). A good finance function is often viewed as the right-hand partner to the managing director and takes a leading

role in driving changes within the organisation.

JEL's Finance function has embarked on this new and exciting journey two years ago. We started by

- streamlining our basic processes;
- re-organising and aligning our capabilities and resources to support the business;
- ensuring compliance to regulatory requirements;
- releasing timely and transparent financial information; and
- moving to more complex areas such as risk management.

Today, we are able to discuss issues at the same table with the business, a far cry from where we were two years ago. The journey was tough but we have managed to overcome the obstacles. With the same spirit, we hope to continue to build on our capabilities, sharpen our professional skills and knowledge, and work with the business to explore new territories.

We believe communication is critical to what we want to achieve. This is not to be taken for granted since our extended team members are located across South-East Asia, the Middle East and Africa. By using today's technology, we endeavour to create opportunities for open communication and

team-bonding.

Our recent Group Finance Meeting is one such occasion. Finance members from the JEL group of companies attended this two-day meeting. Our Managing Director, Mr Osamu Abiko, shared his vision and expectation for the group. With this, the finance team can appreciate things from a bigger perspective.



Chief Finance Officer Ms Tay.

Our Chief Finance Officer, Ms Tay Nam Lay, shared her vision and expectation for the finance team and elaborated on our initiatives in the pipeline in support of the business. This has helped the key finance members to align their respective focus and ensure follow-through communication with the teams they supervise.

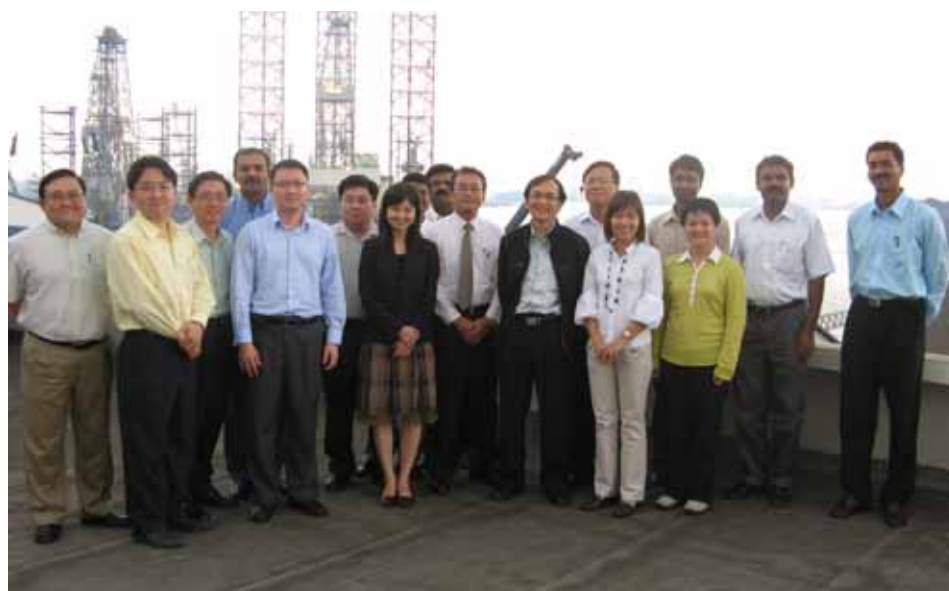
The meeting also saw a sharing of finance knowledge, experiences and thoughtful feedback. The highlight was a workshop on personal effectiveness titled "Secrets of the Wild Geese". It proved to be an effective way, as it was intended, of wrapping up the meeting on a high note, reminding us that the success of an organisation is directly related to the amount of energy its people are willing to invest towards a single purpose.

Our JEL Group Finance team is definitely ready to continue to invest in this exciting journey. This is just the beginning.

So, is our Finance vision "To be Emulated by the Best" a tall order? Yes, but not unachievable if we continue to believe in ourselves and challenge ourselves to reach new heights.

As Mr Abiko said: "Our motto is 'Yes, we can!'"

Finance members from the JEL group with Mr Abiko (front row, centre) and Ms Tay (second from right).



Free & Easy in Bangkok

We touched down at Suvarnabhumi International Airport in the morning on 23 May. As our hotel check-in time was in the afternoon, we went on a free city tour. The first stop was at the Marble Temple followed by the Standing Buddha Temple. Unfortunately, on our way to the Standing Buddha Temple, it started raining and we could only view it from afar.

At Gems Gallery, which claims to be the world's biggest jewellery store, the ladies among us sprang to life and spent a long time admiring or trying to get a good piece of gem. Our last stop was to a honey factory where we tasted samples of Thailand's finest honey, bee pollen and royal jelly.

It was four in the afternoon and we were famished. Our tour guide took us to a restaurant where we recharged ourselves before we checked into our hotel to freshen up.

We met at the hotel lobby at seven. Some of us went to a cabaret show. It was an eye opener for those who have not seen such a performance before.

Early the next day, we assembled at the hotel lobby for a trip to the Damnoen Saduak Floating Market which we reached in two boat taxis. The river was extremely

congested with boat taxis and boats selling fruits, vegetables and prepared food.

Later, we headed straight to MBK shopping centre to appease the girls who could not wait to start their shopping frenzy.

For dinner, Mr Koh Khew Sek, MD of Thai JEL, and Mr Chua Mong Huat, took us to the Sea Food Town Restaurant and treated us to a sumptuous treat made more delicious by Mr Koh's treat of Thailand's best durians.

The trip would not be complete if we didn't have an authentic Thai massage. It

was an hour-long and was most "shioik" (enjoyable in Malay), especially after a long day's walking and shopping.

On the third day, nine of us checked out of the hotel while the rest continued with their unfinished shopping until the fourth or fifth day.

It was a trip well organised and no one went home disappointed!

Mr Peh Pin Hsuan, Chairman, Social Recreation Committee, who was in the Thai capital with 21 colleagues and friends, files this report.



JERC team with staff and family members at the departure hall.

Lucky Draw

Winners

The editorial board of JEL Bulletin congratulates the winners of the Lucky Draw Contest in the April 2008 issue of the publication. They will receive a cap each, courtesy of Thai Jurong Engineering Ltd.

Contest

We are giving away 20 T-shirts, courtesy of Long Xin Enterprise Pte Ltd, as prizes for the Lucky Draw contest in this issue. Simply answer the three questions below 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.)

1. How many passenger boarding bridges were ordered by Japan in 2007 from the ShinMaywa-JEL partnership?

2. What is the duration of the service-maintenance and planned-maintenance contract that JEL's Technical Services Team has secured from PowerSeraya Ltd for its flue gas plant?

3. Name three of the projects Equator Engineering Sdn Bhd has undertaken?

Name: _____

NRIC No.: _____

Address: _____

Contact

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