



CORPORATE

HSSE NEWSLETTER



2018

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HSSE Achievement

RoSPA Silver Award



Naphtha Import Facilities Project has achieved a Silver in the internationally-renowned RoSPA Health and Safety Awards, the longest-running industry awards scheme in the UK.



The RoSPA Awards scheme, which receives entries from organizations around the world, recognizes achievement in health and safety management systems, including practices such as leadership and workforce involvement



The RoSPA Awards allow organizations to prove excellence in the workplace, demonstrating a commitment to the wellbeing of not only employees but all those who interact with it. It receives almost 2,000 entrants every year

HSSE Event

Safety Stand Down

The Safety Stand Down was conducted on 6th August 2018 at C22B project site as well as on 8th August at Bedok C1 and C2 project sites. The objective of the safety stand down is to communicate the findings and lapses that led to the Vopak Sebarok fatality incident on 23rd June 2018. The message was delivered by CEO to all workers and subcontractors



The 3 key messages of the safety stand down were:

- ☐ Bring your body, mind and heart to work
- ☐ It is a two way commitment towards safety between HSL and sub-contractors
- ☐ Unsafe behavior is not condoned. If you are unsafe, you will be removed from HSL.

The 6 key points for HSL's Safety Mind Shift are as follows:

1. **Safety Standard Alignment**

HSL to set safety standard for everyone to follow

2. **With Genuine Intentions**

To work passionately with your heart, body and mind

3. **Engage & Support our Partners (including sub-contractors, vendors)**

Demonstrate our leadership working in partnership; To establish expectations before work starts

4. **Use Progressive Communications**

The communication method used has to be different depending on the target audience

5. **Support, Integrate & Succeed**

HSL to support sub-contractors, engage them and bring level of safety culture to a new height

6. **Every manager is a Safety Manager, Every Supervisor is a Safety Supervisor**

Safety Leadership Programme

Every manager is a Safety Manager; Every Supervisor is a Safety Supervisor

The launch of Safety Leadership programme at Changi Water Reclamation Plant project site (C22B) is to identify role models among safety conscious engineers, site supervisors and workers and lead in their respective trade to elevate the company's safety standards.



Safety leaders are identified by donning the grey helmet.

Safety leaders are responsible for the following:

- ☐ Identify and mitigate all potential hazards and make decisions where required
- ☐ Lead and show good examples to fellow colleagues
- ☐ Encourage and expect safe work practices from the top down
- ☐ Assist workers and supervisors to recognize their roles in protecting their own safety and others

HSSE EVENT

1 Million Safe Man-Hours Without LTI

Phase II Expansion Changi Water Reclamation Plant Project C22B celebrated a significant safety milestone of 1,000,000 Safe Man-Hours without Lost Time Injury on 27th July 2018



In addition to HSL and subcontractor workers, stakeholders including Public Utilities Board (PUB) and CH2M representatives attended this meaningful occasion. 10 deserving workers and supervisors were awarded the Safety Recognition award in recognition of their dedicated efforts towards best practice in Health, Safety and Environmental.

A safety skit by Kian Hup Engineering Pte Ltd was presented to everyone attending

HSL Abroad

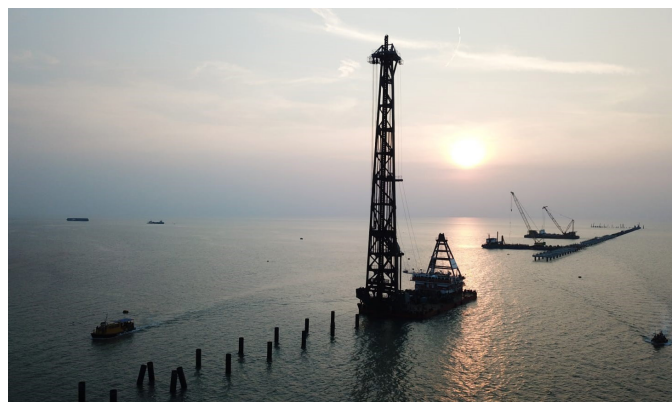
Tanjung Jati B Expansion



<i>Project</i>	:Tanjung Jati B Expansion (Jawa-4) Unit 5&6, Coal Fired Steam Power Plant 2x1,000MW
<i>Owner</i>	: PT. Bhumi Jati Power
<i>Our Client (Jetty Sub-Contractor)</i>	: BAM Decorient Indonesia
<i>AI's scope of work</i>	: Marine piling

General

Under one of the eight expansion packages for the Tanjung Jati Coal Unloading Jetty, HSL Indonesia and Asia Infrastructure (AI) team spent less than six months to execute over 660 piles, completing the project ahead of schedule and with zero LTI.



Marine piling at trestle by Asia Infrastructure's SGP3



SGP3 driving the last pile of TJB56

With Captain Dick Wong on the deck control, as well as many of the unsung heroes from SGP3, all uncompromisingly upheld the principle of 'Safety First' throughout the project duration, and as a result, was repeatedly lauded by our client BAM for our safety standards.



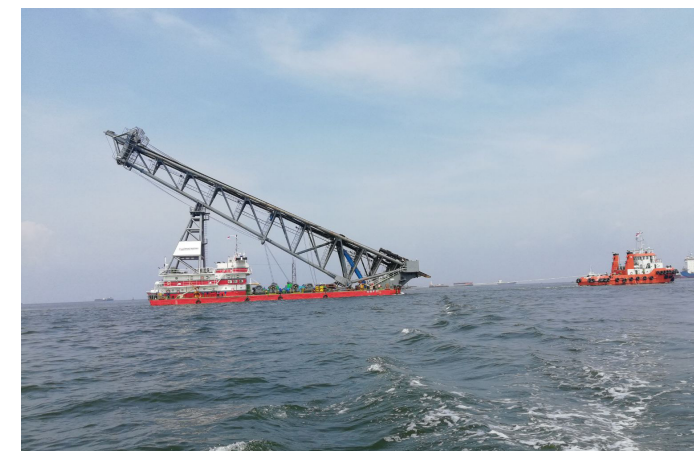
Team SGP3 winning the Best Housekeeping Award for the month August



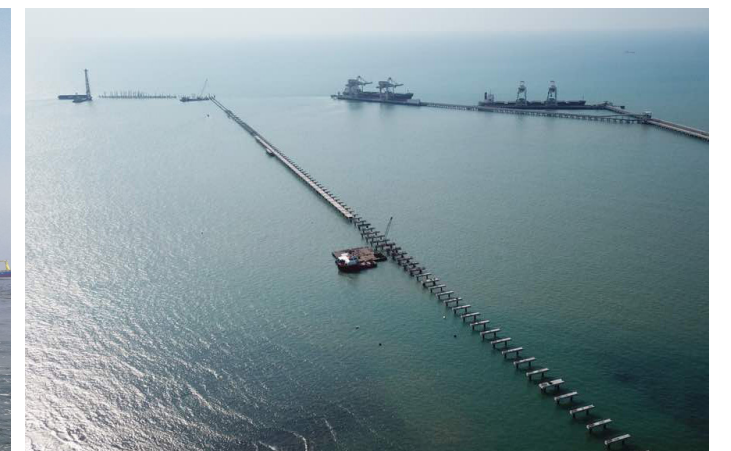
25,000 accident-free man-hours Safety Milestone

Apart from cultivating a safety-conscious culture, the crew was also incentivised to exhibit exemplary safety practices by rewarding the 'safest and most efficient' crew members once every two weeks. On its course to zero LTI at project completion, Team SGP3 celebrated several HSE milestones: 25,000 accident-free man-hours, and Best Housekeeping Award by our client BAM.

Challenges separate winners and quitters. In this project, the crew overcome strong waves and swells from the open sea conditions and emerge victorious as they blend fast execution with top safety performance. Kudos to the beautiful win in Tanjung Jati



Towing of SGP3 to Tanjung Jati



BAM installing superstructure over the piles

HSL Abroad

Gilimas Port Project



<i>Project</i>	: Gilimas Port Project
<i>Owner</i>	: Pt. Pelabuhan Indonesia III(Persero)
<i>Main Contractor</i>	: Pt. Pembangunan Perumahan (Persero) tbk.
<i>Start Date</i>	: 30th June 2018
<i>End Date</i>	: 27th September 2018



Evening view at site location

Introduction

Situated in Lombok which is opposite the scenic island of Bali, Gilimas Port is a part of Lembar port expansion to accommodate larger cruise and container ships. This is part of the Indonesia's government plan to improve connectivity in Eastern part of Indonesia.



Commencement of first pile driving

HSL Indonesia team and Asia Infrastructure (AI) team collaborated closely to deliver the piling works in less than three months. The efforts were all more note-worthy since the team experienced a shaky period throughout the month of August that culminated in the massive 6.9 magnitude earthquake on 5th August. The team evacuated the piling barge until the danger

was deemed to be over. Land was shaken but the faith of the team was not. The crew returned to the barge with increased tenacity and overcame the odds by completing the project timely and safely.

"No Harm to Others"- a value upheld strongly on SGP 1 personnel had guaranteed the project ran in safety and productive manner. For instance, PPE and fire safety appliance were regularly checked by the Safety Officer, Firmansyah, to ensure the equipment are ready to be deployed at any place, and at any time. Apart from focusing on the piling productivity, SGP1 Captain Yang's daily routine includes close watch on equipment maintenance and always on the lookout for activities that are out of the norm.

Passenger ferry anchorage area at the site location before piling



Passenger ferry anchorage area at the site location before piling



Steadfast Engineering & Construction (SFEC)



Certifications

SFEC believes in the paramount importance of a solid Safety, Quality and Environmental management system, aligning towards continual improvement. They have successfully been recertified as compliant to both International Organization for Standardization (ISO) and Occupational Health and Safety Assessment Series (OHSAS). In addition to this, SFEC also received a certificate of commendation, from Workplace Safety and Health Council (WSHC), for their commitment to Workplace Safety and Health.



Certificate of Commendation

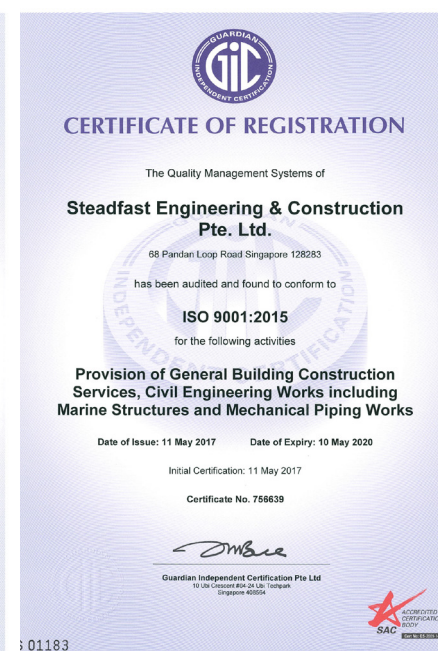
This Certificate commends

Steadfast Engineering & Construction Pte Ltd.

For your commitment to
Workplace Safety and Health

Melvin

Melvin Yong
Chairman, Engagement and Outreach Committee
Workplace Safety and Health Council



SFEC was recognised as a bizSAFE STAR exemplar in risk management and WSH performance. They were bestowed with the Enterprise Exemplary Award, in an event dated 7th February 2018. Sharing the achievement, our very own lead HSSE coordinator, Iskandar Asard, was also presented with the bizSAFE Champion Award, for successfully leading and driving the implementation of risk management plan, in the organisation. Internationally, SFEC was also granted with the Gold award, by The Royal Society for the Prevention of Accident (ROSPA), in late 2017. This recognition is for their well-deserved effort in completing numerous projects within budget and safely.



Safety Milestone

Three SFEC project teams had successfully crossed the 50,000 milestones, clocking safe manhours, since the start of their projects; P010 - MEDP led by Sun Qinghua, P013 - C22B led by Ganesh and P014 - led by Nie Kai Xiong. Sun Qinghua and his Marine East Desalination Plant team celebrated their project's maiden achievement with a ceremony, where the team was awarded with commemorative dri-fit top, for their safe work

JTC Artificial Reef Structure



On 8th of November 2018, SFEC project team had successfully lowered down the first of eight artificial reef structure, onto the bare and sandy seabed around Sisters' Island, to create Singapore's largest artificial reef habitat, in a collaboration between government agencies JTC and N-Parks. The inaugural event was honoured by Speaker of Parliament, Mr. Tan Chuan Jin.

The waters may soon be teeming with marine life, a colony for flora and fauna. Measuring 10m-high, the structure, made of concrete and fibreglass, will help marine life settle and thrive, while populating in the protected waters around the Marine Park. Its bumpy surface, made from recycled stone fragments, will help encrusting organisms such as barnacles or shellfish to attach themselves and grow. The fibreglass pipes will also increase sheltered areas for fishes.



The seven other structures will be installed in the same area by the end of 2018 to form the JTC N-Parks Reef Garden. Altogether, the project is expected to contribute about 1,000 square meters of additional reef area by 2030 and projected to last about 100 years, with minimal repairs or maintenance needed. These structures will complement ongoing reef enhancement efforts to safeguard about 250 hard coral species found in Singapore waters, which accounts for 32%, worldwide. They will also provide opportunities for research and test-bedding of technologies.

Emergency Drills

P014 Senoko project team conducted their mass evacuation drill, where main-contractor and client were also involved. Post drill debriefing, main-contractor, LS Cable, conducted a mass familiarisation of fire extinguisher and basic fire-fighting.



As for P017 Pulau Sebarok, the project team was refreshed on man-overboard procedures, a day before a drill was conducted, in the presence of our client, Vopak, to assess their readiness and knowledge, should such emergency arise. A full scenario was played where even the first aider was tested on his CPR and AED rendering skills.

Mighty Engineering & Construction



An All Mighty Event for All Mighty People!



Mighty and A+ organized a Deepavali party for our workers at the dormitory, giving employees an opportunity to interact with one another outside of work. Deepavali is the Hindu festival of lights, symbolizing the spiritual victory of light over darkness. When we come together in celebration, stronger bonds are forged, and together, we can engineer a better world.



HSSE Initiative

The housekeeping stand (HKS) was initiated with the intention of reducing at-risk observation (Housekeeping).

This initiative aims to rehabilitate bad habits (“**The later mentality**”) and at the same time, encourage workers to have a “**See it, Bin it**” attitude.

Sites which have implemented the HKS include SRC-CRU Revamp Project, Exxon Mobil – Outline Agreement & Projects and Shell – Seletar Tank Expansion Project.

Using the HKS leads to the following:

- ☐ Reduce in housekeeping observation.
- ☐ Increase in productivity
- ☐ Decrease in LPO/BBSO from client.
- ☐ Increase the HSSE aesthetics on-site.



Award Attained

Award	: WSH Innovation Award – Industrial Level
Client	: WSH Council – A spri Division
Date Awarded	: 3rd Quarter 2018
Project Title	: Welding on Wheels (WOW)



Project Background

During a monthly management safety site walk in the workshop in December 2016, the following observations were made in the work area:

- Crawling cables were running across walkway;
- CO2 bottles were left free standing and unsecured;
- Excess cables were placed on top the equipment
- Potential for the equipment to topple when shifting of the machinery.
- Poor posture when pushing the equipment. (design flaw)



Project Objective

To innovate an alternative design to improve productivity and reduce risk.

- To re-innovate the equipment set-up
- To design a set-up that is practical and ergonomically sound.
- To reduce risk exposure to workers

With the introduction of “WOW”, the following have been achieved:

- Reduce in manpower for mobilization
- Reduce in set-up time
- Reduce at risk observations
- Eliminates ergonomics hazards
- Increased work morale
- Increase in productivity

Hand Safety Awareness



SRC-CRU project team campaigned successfully



Team Exxon Management commitment towards HSSE

Hand Safety Awareness was campaigned in various projects namely SRC-CRU project, Exxon Mobil Maintenance, EIB @ Shell Bukom and A+ PCS Maintenance.



Signed pledge to protect our hands at Shell Bukom



HI-5 for Safety at PCS



A+ Engineering Pte Ltd

40,000,000 Safe Man-hours without LTI Contribution



A+ General Manager, Mr Daniel Ong (right) receiving the award from Petrochemical Corporation of Singapore (PCS) Private Limited Managing Director, Mr Akira Yonemura (left)

A+ was awarded for its contribution towards Petrochemical Corporation of Singapore (PCS) Private Limited's achievement of 40,000,000 safe man-hours without LTI



HSL CEO, Mr Charles Quek together with PCS Management and PCC members

Safe Execution of SDM Shutdown



PCS Shut Down Maintenance (SDM) 2018 celebration

A+ was recognized by PCS for their efforts in safely executing the Shut Down Maintenance (SDM) 2018. The Shut Down Maintenance (SDM) of PCS-I plants was carried out from 12 July to 22 August 2018. During this time, the plant is stopped for a planned period of time, so that periodic maintenance can be carried out for the plant's equipment to ensure plant safety and integrity.

While the shutdown was longer than the rest with 45 days in schedule, with work load triple from the last, the team completed the job within schedule and most importantly, safely.



A+ team celebrating at Changi Beach

The management brought the team out to Changi Beach to celebrate their astounding achievement. This was a much needed break for the team and encouraging words from the top management gave a moral boost to the team.

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