



CORPORATE

HSE NEWSLETTER

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2021

CEO's Message

OVERCOMING COVID-19

It is now one year since the nation-wide dormitory lockdown has been lifted. Business recovery has been slow as Singapore transitions to living with Covid-19.

It is inevitable that we continue to face uncertainties and challenges even as we progressively try to step out of the shadows of the pandemic. I mentioned during Townhall in August that our C22B project was issued with a stop-work order (SWO). SWOs are issued whenever a positive case is detected. In our case, it was one of the consultants. The loss of productivity from SWOs adding to skyrocketing costs of labour and materials has placed not only HSL, but many in the construction industry, in a very challenging financial position.

WORKERS ARE OUR PRIORITY

Our workers' wellbeing remain our utmost priority. Although more than 90% of the workers in dormitories have been fully vaccinated, movement remains restricted. The indefinite lockdown has taken a mental toll on Singapore's migrant workforce. HSL group has around 500 migrant workers, out of which approximately 400 are in Singapore. The suicide case involving one of our workers in July emphasised the importance of mental health and how we must continue to take care of our people, not just in the fight against the pandemic but also in their battle against unseen demons. I am thankful to the HR and Safety teams for their efforts to keep our workers engaged and cared for. Through mass psychoeducation workshops, we hope to destigmatize mental illness and encourage our workers to voice out. Additionally, we are also priming our supervisors and room representatives to spot their peers who may be more vulnerable to psychological distress.

TECHNOLOGY ADOPTION DRIVES TRANSFORMATION

Despite the unprecedented challenges, we have been resilient and will continue to do whatever it takes to emerge stronger. One way to achieve this is to ensure that our people are well prepared and equipped with necessary tools for the future of work. Since 2020, we have embarked on a digital journey with KNOW app, for manpower management and instant issue tracking and reporting. I would like to congratulate the Safety team for expanding KNOW app to our new projects – JTC's retention pond project at Meranti and PUB's sewerage upgrading project in Punggol Barat. We are also embarking on a comprehensive training program on the same platform where we can track workers' progress, improve their knowledge and recognise them for their skills. I truly believe that digitalizing our knowledge will go a long way in preparing our workforce for the future of work.

INCREASING MANPOWER TO MEET PROJECT NEEDS

I am also excited to share that the pilot programme to bring in workers has been successful. We are working with SCAL and ASPRI on bringing in new workers, as well as our workers who have gone back on home leave. We look forward to see an increase in manpower in the coming months. Let us stay positive, look after one another and remain vigilant in practicing good hygiene habits so that we can all stay safe and healthy together!

– Charles Quek

HSE Sharing

Changi Water Reclamation Plant Phase 2 (C22B)

Owner : Public Utilities Board (PUB)

Main Contractor : HSL Constructor Pte Ltd

Start Date : December 2016

End Date : June 2022



Artist Impression of C22B plant

Successes

- Combined MEICA BIM Delivery
- The installation of 5,616 membrane modules was completed within 6 weeks, 2 weeks ahead of planned schedule.

Challenges

- The pandemic causes production to cease, slow responses from vendors, borders to shut and port closures which affected overall delivery schedule of goods.
- Limited Headroom for Equipment Installation

Managing suspected COVID-19 case

On 3 June 2021, our team encountered an event involving a potential COVID-positive case. We were informed that the Ministry of Health (MOH) was seeking a suspected person's location for extraction. The whole project site was suspended for stand-down. The suspected person was directed to isolation area while his roommates were isolated in sick bay.



MOH shared that the individual was allowed to work. The positive result was likely due to shedding of viral fragments. Work could resume after the clarification was done. It was an eye-opening experience for HSE department to handle such an incident.

Antigen Rapid Test (ART)



C22B started to implement weekly ART testing for all non-dorm personnel as part of the BCA requirement for all construction sites. We have 4 trained ART Supervisor to supervise the ART implementation.

HSE Sharing

Improvement to Bedok Canal C2

Owner : Public Utilities Board (PUB)

Main Contractor : HSL Constructor Pte Ltd

Start Date : November 2015

End Date : End 2021



Successes:

- Implemented a COVID-Safe Workplace for all workforce
- Implemented Antigen Rapid Test (ART) on site
- Traffic management well managed

Challenges:

- Flooding in canal during heavy downpour, causing our works to be delayed
- Housekeeping in canal with regards to concrete debris and soil
- Dust control during dry weather period

Photos Throughout the Project



Clearing of soil within the canal



Skin Wall Casting



Construction of new Base Slab



Installation of hoarding to successfully handover part of PCN

Exemplary Practices



Barricades done with orange netting

Slip trip hazards identified by painting yellow at common Access Egress

Antigen Rapid Test (ART)



Bedok C2 started to implement ART testing for all non-dorm personnel as part of the BCA requirement for all construction sites. We have 3 trained ART Supervisors to supervise the ART implementation.

HSL Abroad

Nitrile Butadiene Latex Project – Civil & Building



Owner : LG & Petronas Chemical

Main Contractor : DL Engineering & Construction Malaysia Sdn Bhd

Start Date : 18 May 2021

End Date : 31 Oct 2022

Nitrile Butadiene Latex (NBL) Project is the second project for HSL Constructor Sdn Bhd, Malaysia to be executed and constructed in an operating life refinery plant condition.

The team is required to sit for the Safety Exams - **Safety Induction Training (SIT)** to enter the refinery area (PIC). In addition, all personnel have to attend the in-house Site Safety Induction Program for NBL Project site. Petronas also implemented the 4 week long 'I am New Worker' program for workers with less than 6 months experience in Oil and Gas sector, to educate and familiarize workers with the culture and strict rules of working in the sector. The Management team put in great effort to train both foreign and local workers in the refinery standards via translation to multiple languages and continuous coaching sessions.



Overall NBL project site photo inside the PIC

'I Am New' Induction Program

The program objectives include:

- Ensure all newcomers are familiar with Local Authority, Client, and EPC HSE requirements.
- Provide awareness on the importance of safety and health in the workplace to newcomers.
- Provide sufficient information and training to newcomers on their responsibilities and duties onsite.



The superior shared his experience and demonstrated safe procedure in Power Tools Handling.

1st Pile Head Cutting Milestone Ceremony & TBT

On 14 July 2021, we commemorated our 1st Pile Head Cutting Milestone Ceremony. The ceremony started with the Management's remarks, continued with Tool Box talk and ended with the actual pile cutting activity. Light refreshments were distributed to all workers as token of appreciation for doing their part in working safely.



Tool Box Talk



Light refreshments were distributed to all workers as token of appreciation.

HSL Abroad

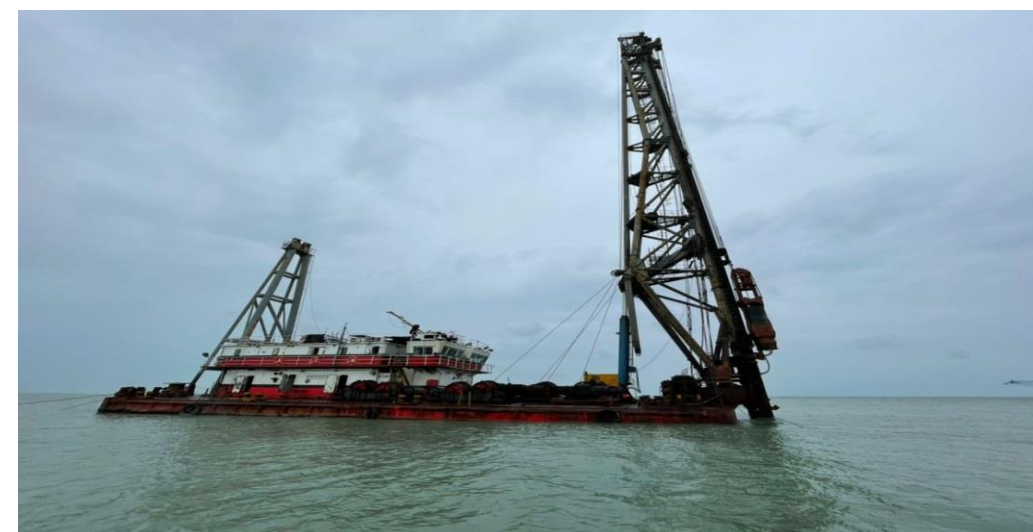
Melaka International Cruise Terminal (MICT)



<i>Owner</i>	<i>: MICT</i>
<i>Main Contractor</i>	<i>: HSL Constructor Pte Ltd</i>
<i>Start Date</i>	<i>: 1 May 2021</i>
<i>End Date</i>	<i>: End of 2021</i>

MICT is a new international cruise port located at Melaka Gateway, Malaysia. HSL was awarded the 1st phase of MICT project, expected to be completed by end of 2021. The port is located in the central business district (CBD) area and is within walking distance to Melaka's UNESCO World Historical and Heritage sites.

HSE disciplinary action is carried out to hold every employee accountable for their own safety. The procedure was developed to ensure that the HSL rules and safe working practices are followed and taken seriously by employees. The world currently faces high risk for health and safety due to Covid-19. While it is hard to adapt to the new norm, we would need to take extra precaution to manage the situation.



Overall NBL project site

COVID-19 Management at Site



Workers and staff undergo COVID-19 test before entering site



Briefing regarding COVID-19 Management and Awareness on site



Social Distancing Marking at Work Site such as rest area and office area

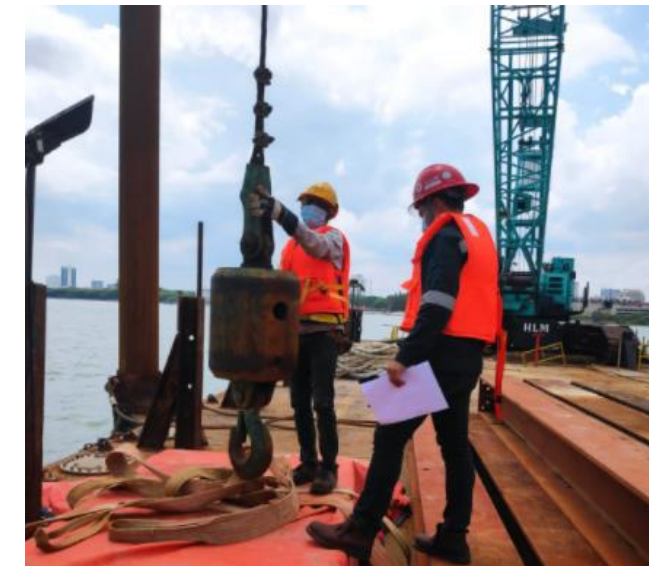


Disinfection at all vessel and site area 3 times per day



Vaccination Program for all workers and staff to achieve herd community

Safety Inspection & Safety Training Onsite



Inspection of all equipment, vessel and machineries at site



Internal training for water confidence to prepare for emergency response above sea water



HSL Abroad

Marine Piling Works for Kijing Container Port Kijing, West Kalimantan



Owner : PT Pelabuhan Indonesia II (Pelindo)

Main Contractor : PT Wijaya Karya

Start Date : 21 July 2019

End Date : 21 March 2021

Earlier in the year, we had completed our work in Kijing Port, one of the biggest ports in Kalimantan Island. In total, we had driven 2,085 nos. of piles over the course of 2 years without any incidents and LTI.

Staying true to the commitment on safety, the team in Kijing delivered the project safely and successfully. The know-how on the safe way to execute mega marine piling projects shall always be the backbone for HSL's participation in similar projects for many years to come.



HSL Abroad

Construction of Seawall for Patimban Port Package 2, Subang, West Java



Owner : Directorate General of Sea Transport (DGST)

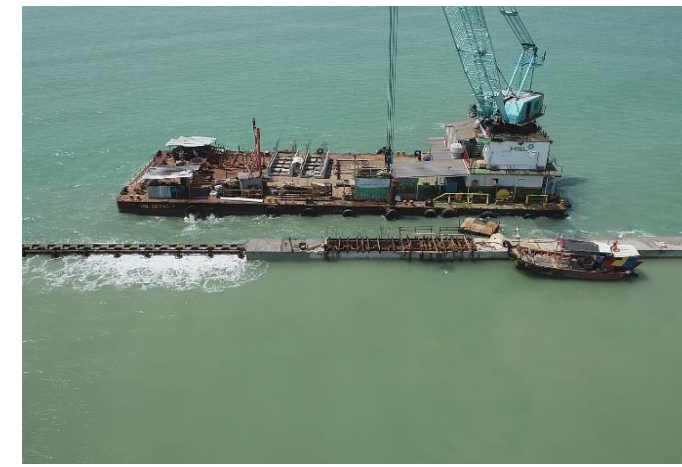
Main Contractor : Toyo-Adhi-Wakachiku JV

Start Date : 1 May 2019

End Date : 30 September 2021

Managing a mega marine project during a pandemic is proving to be a new challenge for us. Being one of the important and strategic projects in Indonesia, Patimban Port Project construction has always been in the spotlight for its progress and safety.

After President Jokowi confirmed the first COVID cases in Indonesia shores on March 2020, the pandemic finally affected our site in July 2021, where we were forced to stop our activities for 3 weeks as many of site personnel were infected. This coincided with the overall situation in Indonesia where new infections rate was at its peak, after the Hari Raya holiday season.



Installation of Coping Concrete



Patimban Project Progress

The challenge we faced was restarting the project as the stop work order was affecting our mentality. With tighter COVID-19's protocols that hinder our progress, we must encourage our people to adapt to the new norm.

HSE teams are working hard to make sure the HSL's value "No harm to each others" is upheld where we must keep not only ourselves safe but also the people around us. As we head into the final sprint to finish the project, our team will continue to work hard and safely.



Daily Tool Box Meeting



Swab Test Twice per Week

PT. Hsing Loong Indonesia  Engineering Asia Together

REMEMBER THE PROTOCOL of COVID -19



MASK IS A MUST



KEEP THE DISTANCE



WASH YOUR HANDS



NO TOUCHING



AVOID CROWD

www.hsl.com.sg



In times of pandemic, we need to have more positive thinking. With positive thinking and attitude, we are confident we can face all the challenges in the future”.

Mr. Sofan Setiawan, Construction Manager

HSL Abroad

Marine Piling Works for Labota Port in Morowali, Sulawesi



Owner : PT Indonesia Morowali Industrial Park

Main Contractor : PT China Harbour Indonesia

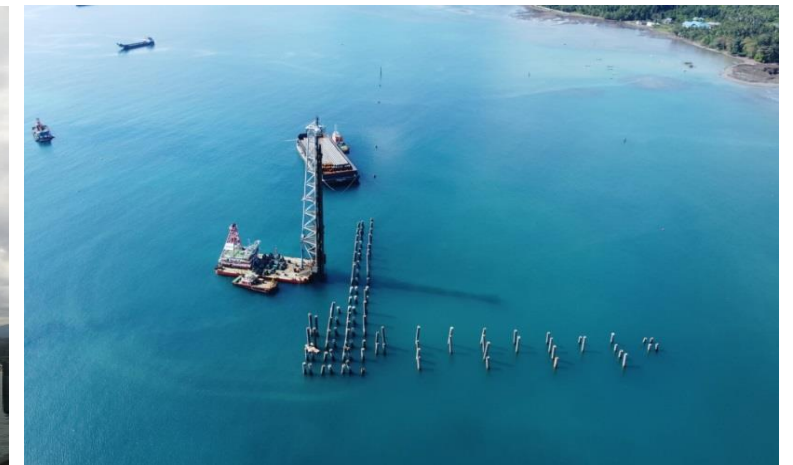
Start Date : 23 July 2021

End Date : 22 October 2021

Securing the Labota Port project in Morowali, Central Sulawesi further solidified our position as a major marine piling player in the region.

With the pandemic ravaging in the country, the Indonesia government had strongly encouraged people to vaccinate and numerous vaccination points were set up around the country. In line with this initiative, our main con also conducted its vaccination drive to ensure that personnel are fully vaccinated before they can be allowed to enter the site.

Our crew, apart from being vaccinated, are also vigilant on their daily activities such as by wearing masks and keeping good hygiene to keep one another safe from the COVID pandemic.



HSL Abroad

Ahlon International Port Terminal – 2



Project : Ahlon International Port Terminal – 2

Owner : Adani Yangon International Terminal Company Limited

Client : ITD Cementation India Limited

Work Duration : 8 Months

Project Status : Completed

Courage Amidst a “Coup” and Covid-19 battle in Myanmar

An unexpected event overturned Myanmar’s political stand in a single night on 1 Feb 2021. Our site was forced to stop work due to uncertainty in the whole of Myanmar. Internet shutdown led to lost of communication with HSL Singapore’s Management team and workers’ families around the world. Despite the rising tension, our team kept their cool and tried their best to find out more news from locals regarding Myanmar’s situation.

After discussion with our main contractor, ITD Cementation, AI team resumed piling works with care and increased alertness on their surroundings. Death rate increased day by day and there was protest which lasted for months. AI team prepared months worth of food supplies just to stand by an umbrella before the rain. There was constant worry especially after the announcement from home countries requesting for all citizens to get out from Myanmar as soon as possible.

The project’s progress was delayed, particularly due to the clearance of pile supplies at customs. The government in Myanmar were not working due to Civil Disobedience Movement (CDM). Throughout the uncertainty, AI piling team ensured that they stayed up-to-date with the latest news development.

CDM further worsened the Covid-19 situation in Myanmar due to lack of medical manpower and facilities. Movement in and out of piling barge was strictly controlled to prevent exposure to potential community spread of disease. All personal protective equipment such as mask, facial shield, sanitizer and gloves were always prepared on board for when we needed to venture out for supplies..

AI piling team completed the piling works on 30 July 2021 beautifully with support from Management and ITD Cementation. Our equipment, SGP 3 piling barge, departed to the next project on 6 August 2021.



“ **Tough times don't last, tough people do.** ”

– Robert Schuller

HSL Abroad

Design & Re-Construction of Quay at Naval Dockyard at Trincomalee, Sri Lanka



Owner : Ministry of Defence of the Democratic Socialist Republic of Sri Lanka

Main Contractor : SANKEN-ELS-HSLC JV

Start Date : 1 May 2021

End Date : 30 May 2023



HSL with our Sri Lankan partners have been awarded a Quay Reconstruction Project in Trincomalee, Sri Lanka, marking our first foray into South Asia. This project gives us an insight to working with our South Asia partners and exploring the potential in this new market.

Last month, HSL sponsored 22 units of Oxygen Concentrators to support pandemic efforts in Sri Lanka. HSL representative together with our local partners were invited to the official handing over ceremony held on 4 October 2021 at the Foreign Ministry, organized by the Ministry of Foreign Affairs.



The Commander of the Navy's Site Visit

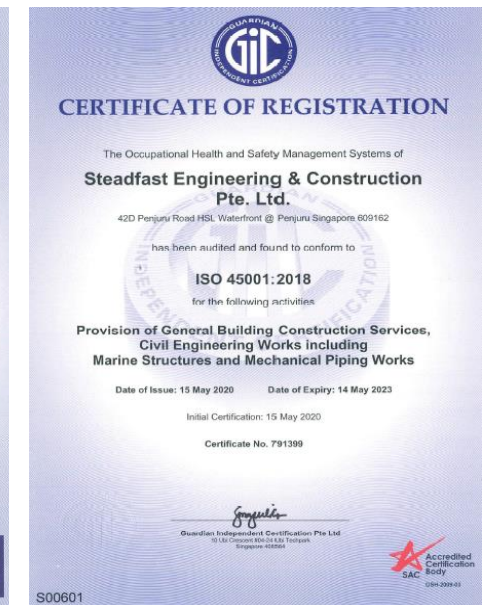
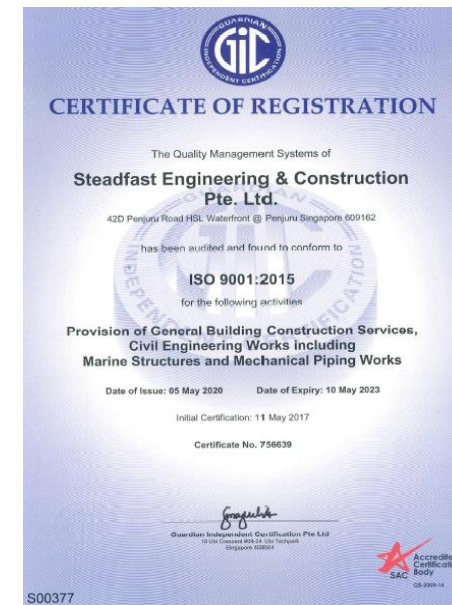


Our Local Partner and Local Representative at Handing Over Ceremony

Steadfast Engineering & Construction (SFEC)



Certifications & Awards



We have undergone and passed the Surveillance audit for all 3 ISO certification (ISO 9001, 14001 and 45001).



We renewed the Bizsafe Star certificate till May 2023. We have also maintained our merit status for BCA's Green & Gracious Builder Award which has been renewed till October 2023.

Project Updates

Changi C22B – External Work: Parameter Drain (Box Drain, Culvert & U-Drain), Road, Fencing & Turfing



Steadfast was given the trust to execute the construction of external work which consist of 2050m distance parameter Drain (Box Drain, Culvert & U-Drain), 11,100m² LTA standard road and 10,100m² turfing work. 1050m/2050m distance of parameter drain. The project was completed end of August 2021.

Retaining Wall Construction & Drain Installation at N106 Project



Retaining Wall Construction



Drain Installation

Steadfast was given trust to execute the retaining wall against the sloped soil area at North south corridor zone 2 PTP area. Concrete pump was used to cast the base slab of the retaining wall before casting the retaining wall in 2 stages. The retaining wall was completed on 17 April 2021.

After which, soil was backfilled along the wall. 54.62m of C7R drain and 65.5m of B2 drain were installed. The drain works were completed on 24 July 2021, and the site team demobilized on the same day.

Project Updates

Bukit Timah Canal Reinstatement works at N106 Project



Base Slab Reinstatement works

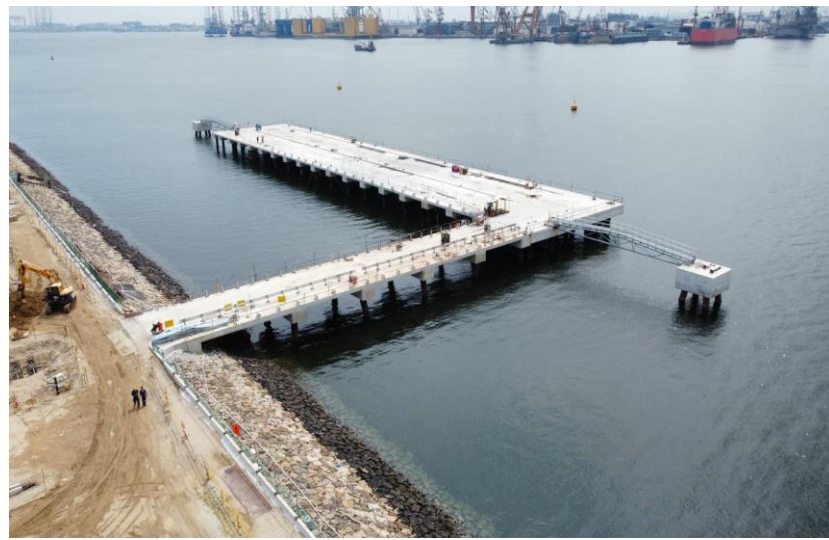
Rebar installation

Steadfast was given trust to execute the BT Canal (Opening 3) reinstatement works at BT canal area. Steadfast shortened the construction sequence and time of the base slab, by cutting down the original 3 stages to 2 stages. With a more experienced team this time, rebars, couplers and concrete wastage were also greatly reduced.

SPCI – Sulphur Handling Pier Works



SPCIA project team received the Safety Excellence Award for safe and successful completion of SPEC Sulphur Handling Plant at Pesek Area, Jurong Island project with zero lost time incident.

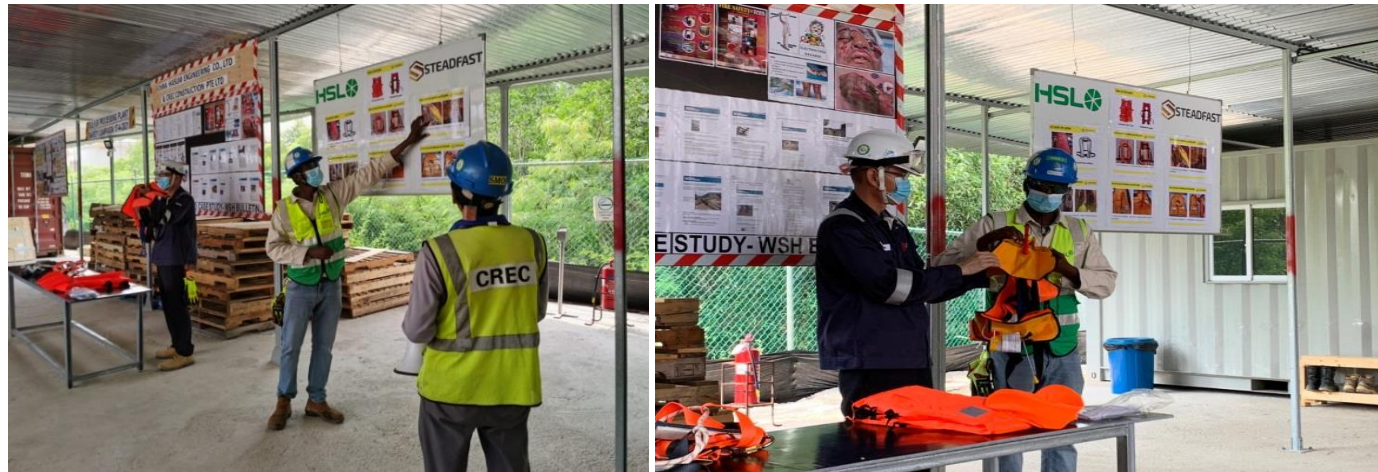


Aerial View of SPCI Jetty



Safety Excellence Award

Promotions & Initiatives

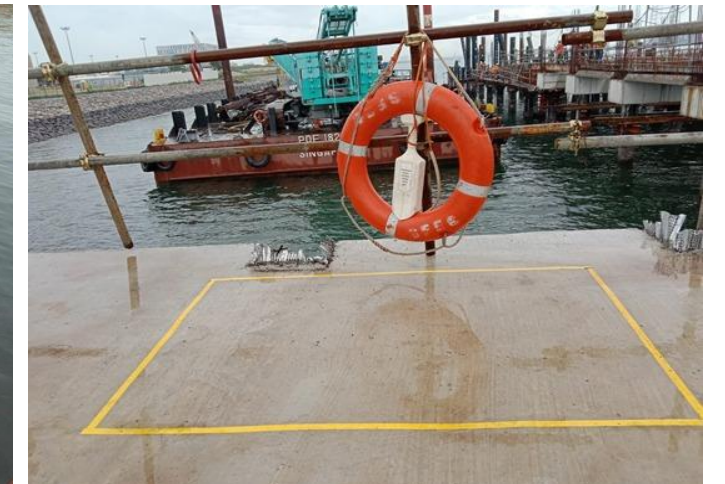


SPCI Safety Campaign - How to maintain life jacket

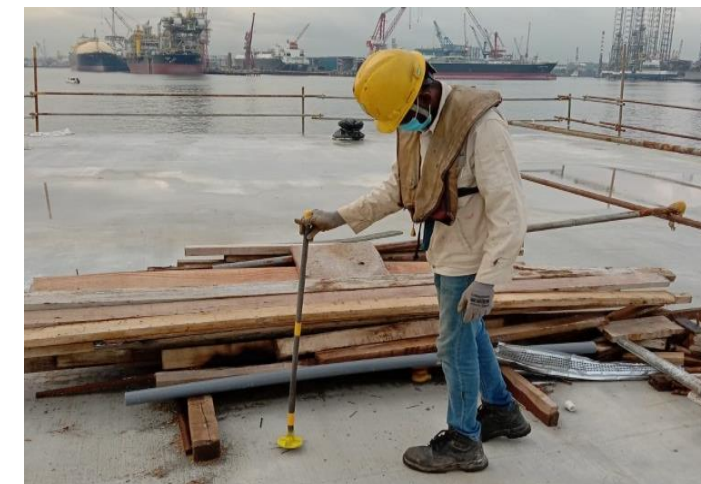
Safety Initiatives



Pinch point free pontoon



Encapsulated lifeline rope



Pinch point free pontoon



Rain water collector



In view of the current Covid-19 situation, workers' mental welfare and wellbeing is our priority. Whenever the opportunity arises, we buy our workers some refreshments to bring some cheer to them.

Emergency Drills

At C22B project, we followed HSL team in exercising a scenario of extricating an injured worker.



First Aider checking on Injured Person's status while the team prepares the stretcher basket for rescue.

ART Implementation

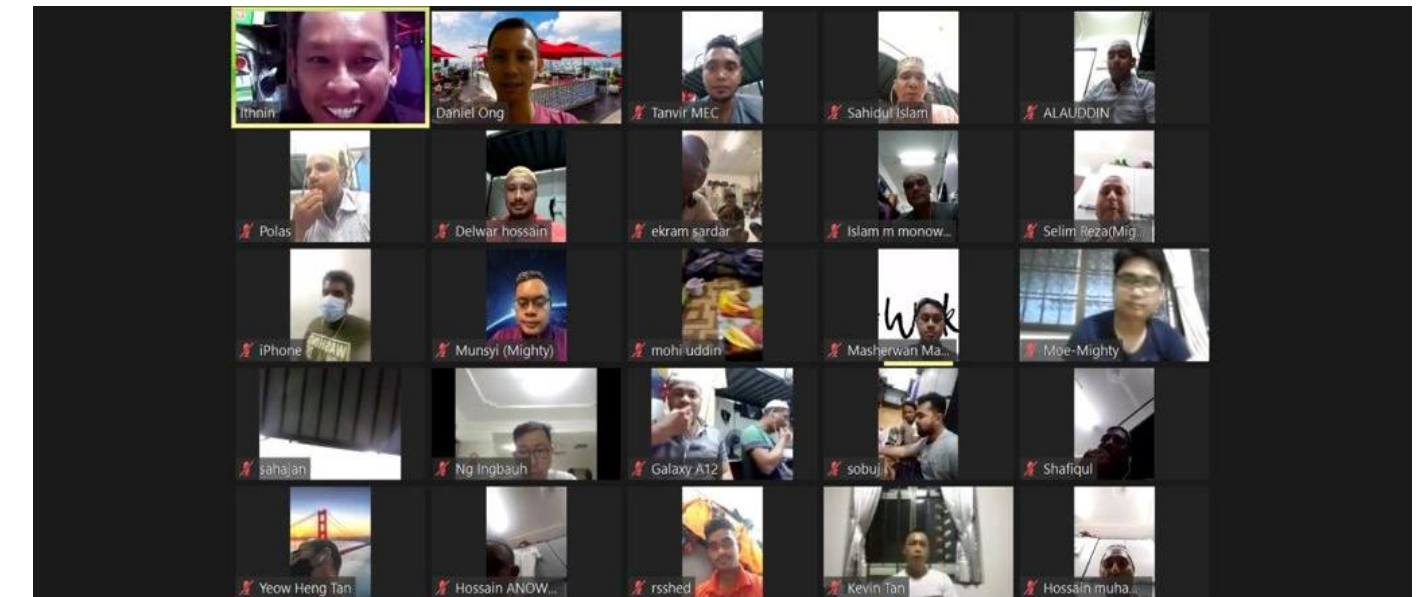


ART implementation has kicked off at JTC Retention Pond site since the test kits arrived on site on 2 September 2021.

Mighty Engineering & Construction A+ Engineering



An All Mighty Event for All Mighty People



2021 marks the second year that Mighty has conducted the virtual Iftar. Workers gathered through ZOOM for a personal session with the management. It was an opportunity for us to garner their spirits and persevere through these trying times.

Safety Time Out



Safety Time Out was conducted at various sites

Urgent Call for Safety Time Out (STO) in the Process Industry

In the month leading to 15 June 2021, there were 8 deaths from workplace accidents across several industries. This is an alarming spate, which is more than double the pre-Covid level. The WSH Council called on industry partners to conduct a Safety Time Out (STO) to review their risk management processes and emphasize to employees to uphold WSH practices.

ASPRI was deeply concerned and responded to this call by urging all members to conduct an STO at their workplaces, in the week of 28 June to 2 July 2021. Supporting the initiative, we conducted the Safety Time Out.

300,000 Safe Man Hours Milestone Celebration



300,000 safe man-hours is the combined effort of all contractors not being involved in a lost-time accident. The Occupational Safety and Health Administration defines a loss-time accident as an OSHA-recordable incident in which an employee is not able to return to work or is assigned restricted work on the day or shift following the incident.

Our safety milestone was achieved in a much shorter time frame with many employees involved in construction and other work activities.

Hand Safety Awareness Campaign @BASF Speed Project



There has been a trend of hand safety observation occurring daily throughout the organization, plant construction and maintenance. As such, the prevention of hand injuries continues to be an area of focus for MEC & A-Plus.

Losing a finger, and or any part of the body not only causes physical pain to the worker; it also severely impacts the worker's livelihood and mental well-being. The Hand Safety Awareness Campaign 2021 seeks to remind everyone on the importance of protecting our hands while at work, and building a culture of prevention in the workplace so that everyone can work in a safe environment.

PCS Successful Shutdown



This plant shutdown was especially challenging, with challenging timeline and managing SMM. The team did an excellent job completing the job with Zero non-compliance.

Safe Management Measures Contest



Congratulations to all contest winners: A+ Team

The HSE Promotion Committee organized the "Safe Management Measures" contest, whereby participants need to identify the correct description to the correct image. While it is a simple contest open to all PCS employees & contractors, it sets as a reminder on the importance of developing self-awareness and compiling with SMM requirements.



Near Miss Briefings were conducted to increase safety ownership and reduce potential for harm.

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HSE Manager, Mighty, A+

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