



CORPORATE HSE NEWSLETTER

2023

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CEO's Message

As we share our most recent project updates in this biannual Safety Newsletter with you, I am pleased to note HSL's safety highlights in the second half of 2023:

Safety Awards Attained

- **PUB** Construction Excellence Award for Punggol Barat C3 project (5 Sep 2023)
- Federation Internationale des Ingenieurs Conseils (**FIDIC**) Project Excellence Award for Meranti Retention Pond Project (12 Sep 2023)

In 2023, HSL Group achieved over 3 million Safe Manhours for HSL Group, comprising projects in Singapore, Malaysia and Indonesia. Congratulations to the project and safety teams involved. We must continue to remain vigilant and remember our responsibility to our 1,000 employees, as well as our clients and stakeholders who trust us to deliver our projects safely.

In 2023, we also brought back HSL Safety Day, which used to be an annual event until the turn of the decade, at the start of the Covid-19 pandemic. Despite the 3-year lull, we are pleased that it saw a successful turnout of 500 people over 2 days, including our clients, partners, and employees. A meaningful way to wrap up 2023, it demonstrates Management's strong support in driving HSL's zero-incident culture.

I would like to emphasise that Safety is a core value at HSL and we are committed to **zero incidents**, which stems from the belief that every accident is preventable and there needs to be a mindset shift from finding fault, to finding solutions.

As we embark on a new calendar year – 2024 is also HSL's 30th anniversary! – let us continue to bear this in mind and deliver projects safely and successfully together. Happy New Year!

– Charles Quek

Proposed JTC Corporation Solar Land One Extension

Client : JTC

Developer : Terrenus Energy Pte Ltd

Main Contractor : HSL Constructor Pte Ltd

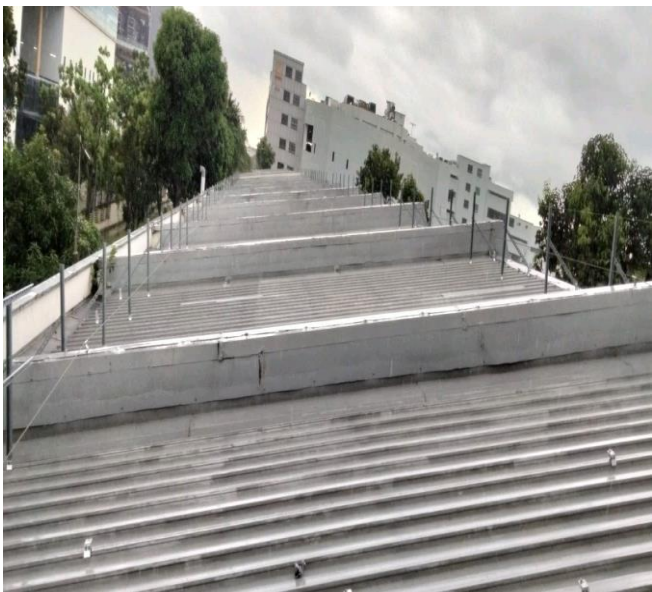
Start Date : Dec 2023

End Date : Apr 2024

The JTC Solar Roof Phase 3 projects involves the implementation of solar panels or photovoltaic systems to harness solar energy for electricity generation. These projects typically encompass the design, installation, and commissioning of solar panels on rooftops. The primary objective is to utilize renewable energy sources, specifically solar power, to contribute to sustainable energy solutions.

The project's scope may vary, ranging from small-scale residential installations to larger commercial or industrial projects aimed at supplementing or entirely fulfilling energy needs. These initiatives align with global efforts to reduce reliance on fossil fuels, lower carbon footprints, and transition towards cleaner and more environmentally friendly energy sources.

Photos Throughout the Project



HSE Event

Corporate Safety Day 2023



HSL's Corporate Safety Day was conducted on 1st and 2nd December 2023 at our HQ office. The safety theme for this year, is "**Be Safety Minded, NOT Safety Blinded.**" HSL Safety Day is part of the Safety Department's efforts to reaffirm HSL top management's commitment to health and safety and enter into collaboration with our stakeholders and partners. 500 fellow colleagues, clients, business partners and subcontractors from various companies attended this meaningful occasion.

Sharing of safety practices such as Hand Safety, Excavation and Blindspot Awareness, were displayed through eye-catching noticeboards and fun games and activities. There was a sharing by Singapore Police Force with strong emphasis on online scams prevention. Master Yoon Jeong Wook, led a live demonstration of Momsalim exercise, a Korean healing art. We also had a safety skit performance by C22B and Steadfast workers.

Safety recognition were awarded to best safety conscious staff and workers, project teams and sub-contractors with excellent safety performance.

We had a Health & Wellness booth, led by Jenny from HR where fruit packs were distributed. Gro Grace distributed complimentary lettuces to those who attended. Many attendees gave positive feedback that the event helped increase their knowledge in the areas of Safety PPE & practices.



Safety Skit performance by C22B workers



Safety Conscious Workers winners



Attendees participated in interactive games that tested their knowledge on various safety topics



Management team and workers during Safety Day on 2 Dec 2023

HSL Abroad

Menicon (Contact Lens) Factory, Tiger Project

Owner : Menicon

Main Contractor : JGC Asia Pacific (M) Sdn Bhd

Civil & Building Contractor : Sumitomo-Mitsui Construction (M) Sdn Bhd

Subcontractor: : HSL Constructor Pte Ltd

Start Date : 2 May 2023

Project Status : Completed



C100 Admin and Lab Building was completed within 6 months' period

Safety Milestone



On 15th October 2023, the team celebrated 1.2 Million Man-hours without lost time injury. The ceremony also awarded the safest personnel of the month. The ceremony was officiated by project manager, Mr Shiota.

Safety Training



Daily Mass PPE check conducted by JGC after tool box meeting



Body harness Inspection Program



Work-at-Height training, where the competent trainer will conduct simulation on what to do if a man fell from height

Management Site Walk



Weekly Management HSE Walkabout

HSL Abroad

Mine of Bahodopi Block 2 & 3 Project

Owner : PT. Vale Indonesia, Tbk.
Main Contractor : PT. PP (Persero), Tbk.
Scope of work : Steel Pipe Pile Driving
Work Duration : 3 Months
Project Status : Administrative Preparation



The Indonesia Growth Project (IGP) Morowali is an integrated nickel mining and processing project with an investment value of IDR 37.5 trillion. Mining activities by PT Vale take place in East Bungku. Nickel ore from mining is then processed at the RKEF technology processing facility in Sambalagi Village. IGP Morowali will be PT Vale's second development project to be inaugurated, after the Pomalaa Project which was inaugurated in November 2022.

IGP Morowali will be the first RKEF factory in Indonesia to be supported by a gas-fired power plant, with a capacity of up to 500 megawatts (MW).

Like PT Amman project in Sumbawa, mining client safety requirement are very strict and lots of documentation and preparations are required for the work.



HSL Abroad

Cooling Tower Work Batu Hijau CCPP-1

Owner : PT Amman Mineral

Main Contractor : PT Jurong Engineering Lestari

Scope of work : Civil Work for Cooling Tower

Work Duration : 4 Months

Project Status : In Progress



HSL started new project in Sumbawa Island, West Nusa Tenggara Province in 2023. The island is rich with gold and copper, thus the presence of mining company, PT Amman Mineral to build their facility in the island.

One of the biggest challenges in this project is that the project location itself is far from the main city, making it difficult to get resources for the work. Spare parts and other facilities are not available nearby and must be purchased and shipped from another island. Thus, careful planning is required to reduce unnecessary logistic wastage.

In terms of the work, challenges are construction of 5m deep sump pit and 2m high cooling tower requiring careful safety preparation and execution plus the strict requirement from the client.

Photos Throughout the Project



Steadfast Engineering & Construction (SFEC)



Certifications & Awards



We have underwent & passed the Recertification audit for all 3 ISO certification (ISO 9001,14001 and 45001).



We have underwent renewal for the Bizsafe Star certificate which will have been extended till May 2026. We have also maintained their merit status, for the BCA's Green & Gracious Builder Award which has been renewed till October 2026.

Keppel Sakra Cogen 600MW Advanced Gas Turbine Cogeneration Combined Cycle Plant

Client	: Keppel Energy Pte Ltd
Main Contractor	: Jurong Engineering Pte Ltd (JEL)
Consultant	: CPG Consultants
Start Date	: April 2023
End Date	: April 2025

Implementations



Workers' breaks & lunch are taken in an erected sheltered area adjacent to the work location



Successful completion of HSL's site office & meeting room



Workers were provided with fruits as an encouragement to stay healthy and safe. This is a promotion program conducted by main contractor, JEL

Photos throughout the project



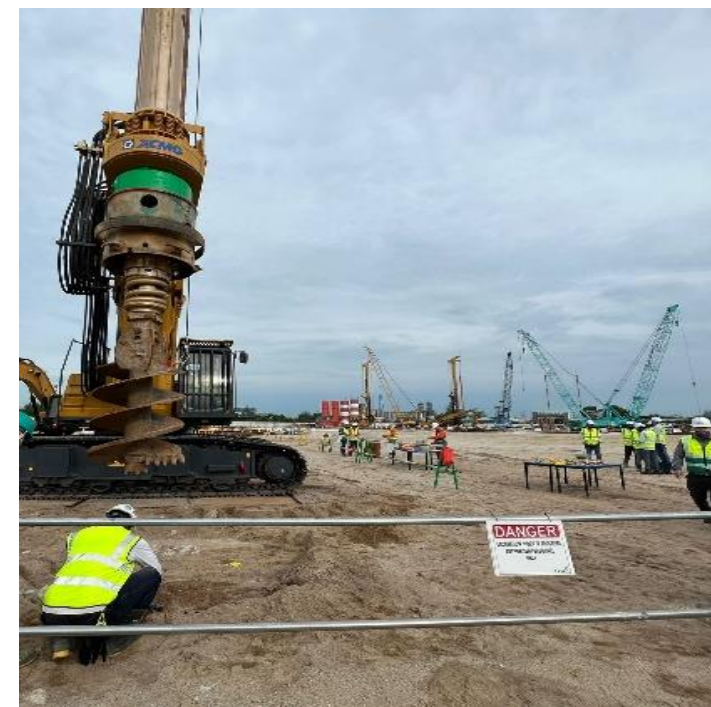
Morning workout conducted before toolbox meeting



Weekly site walk with management and subcontractors' participation



Erection of silo tanks at site. Total of 4 silo tanks to be installed



Boring machine starts operation after performing small prayer prior to BCA approval for work



Monitoring of heat stress level with Wet-Bulb Globe Temperature (WBGT) and water parade to ensure workers stay hydrated



Erosion control blanket laid along the shoreline to prevent sludge flowing into sea during boring

Proposed Construction of Marine Facilities at Tuas Western Coast Road

Client : Crystal Offshore Pte Ltd

Main Contractor : HSL Constructor Pte Ltd

Start Date : December 2023

End Date : November 2024



Site Overview

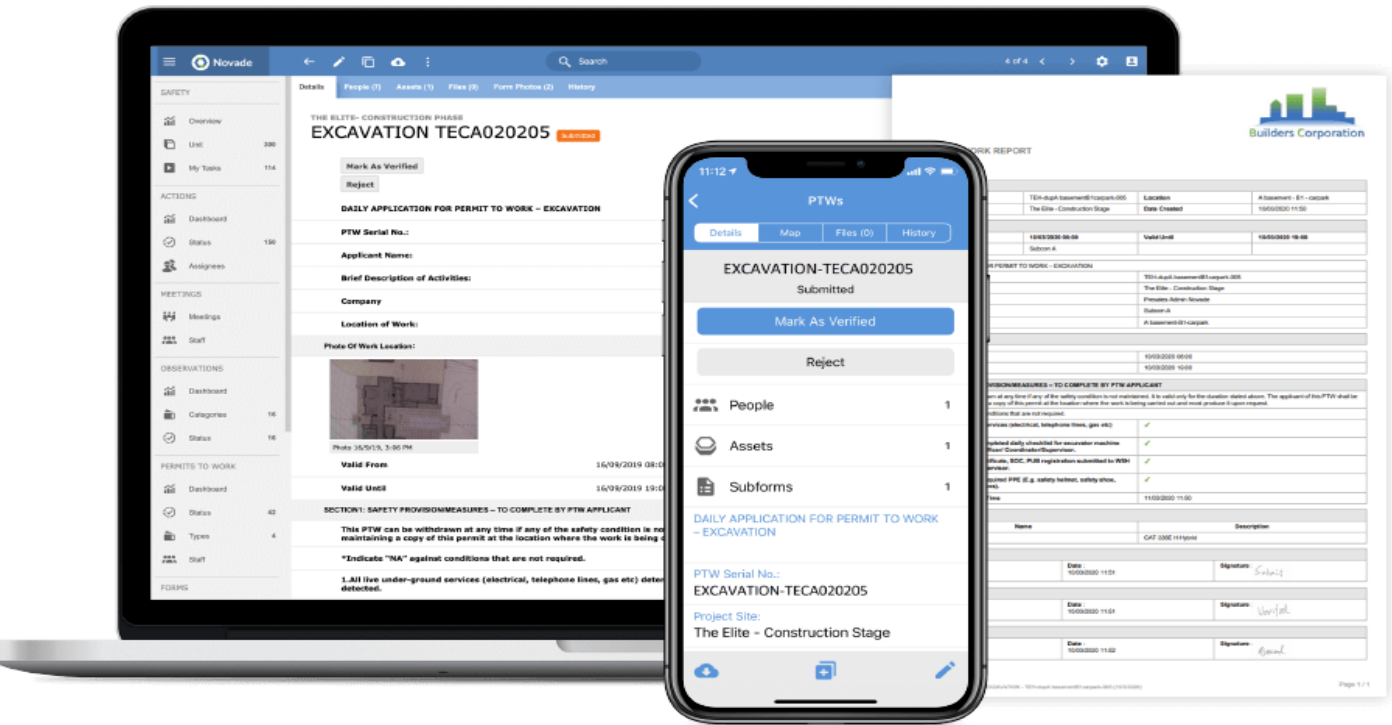
Challenges Faced

- Obtain approval from Singapore Police Coast Guard (SPCG) pertaining to hoarding design requirements, as worksite is located next to Singapore & Malaysia waters.

Implementations



Approved site layout hoarding design as per SPCG requirements



Adopted Novade E-Permit to Work for project operation

Photos Throughout the Project

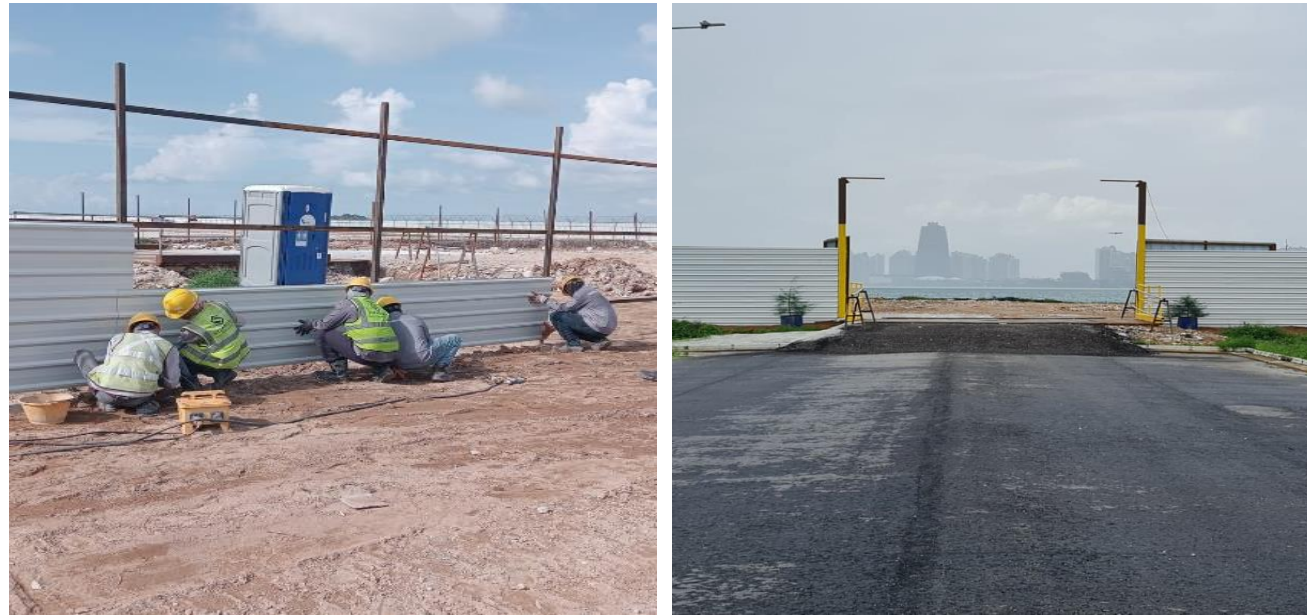


Completion of cable detection work before proceeding to clear vegetation for site preparation work



Levelling of ground and laying of hardcore for heavy vehicle access

Photos Throughout the Project



Installation of hoarding to demarcate worksite controlled area



Bare soil levelled and covered with erosion control blanket

Sewerage Scheme to Serve Pulau Punggol Barat Contract 3 – Pumping Mains and Pipe Bridge

Client : Public Utilities Board (PUB)

Main Contractor : HSL Constructor Pte Ltd

Start Date : January 2021

End Date : July 2024

Safety Award



We are honoured to announce the achievement of the PUB Safety Award for this project, recognizing our team's dedication to safety. This achievement highlights our commitment to excellence and innovative safety measures. It is a testament to the hard work of each team member and motivates us to continue setting high standards in safety protocols.

We thank PUB for this recognition and remain steadfast in our mission to create a safe environment for all.

Safety Initiative



Emergency Evacuation Alarm

Switching to a reusable emergency evacuation hand-driven alarm brings environmental benefits by reducing waste and offers long-term cost savings. The reliability of a reusable alarm ensures consistent performance during emergencies, enhancing the effectiveness of evacuation processes. This decision reflects a commitment to sustainability, cost-effectiveness, and reliable emergency preparedness.



Emergency Drill conducted at Punggol C3 site

N109A ERSS Works

<i>Client</i>	: Land Transport Authority
<i>Main Contractor</i>	: Shanghai Tunnel Engineering Co (Singapore) Pte Ltd
<i>Start Date</i>	: August 2022
<i>End Date</i>	: December 2025

Safety Initiatives



Sheet Pile driving using silent piler

- Eliminate noise pollution and vibration
- Verify the status of chuck and clamps before starting piling operation
- Monitor press-in-force using digital display
- Monitor vertical alignment using laser pointer
- Limited space and easily transferable
- Improves workers' safety compared to other pile driving method



Use rubber hammer instead of using steel hammer to minimize noise



LG stand with shelter to prevent LG from environmental sources of damage



LTA B.O.L.D implementation & daily mass housekeeping



LTA Safety Time-Out at N109A



Emergency Drill conducted by SCDF



LTA thematic exercise on lifting operation

Safety Promotion / Training



5 Million Accident Free Man-Hours celebration



Diwali celebration at N109A



Safe Completion of Entrance 3 Sheet / Soldier Pile Installation Work



Hand Safety Campaign

Proposed Demolition Of Existing Quays, Dry Docks And Reinstatement Of Foreshore Structures-At Tanjong Kling Road

Client : Seatrium

Main Contractor : CHEC

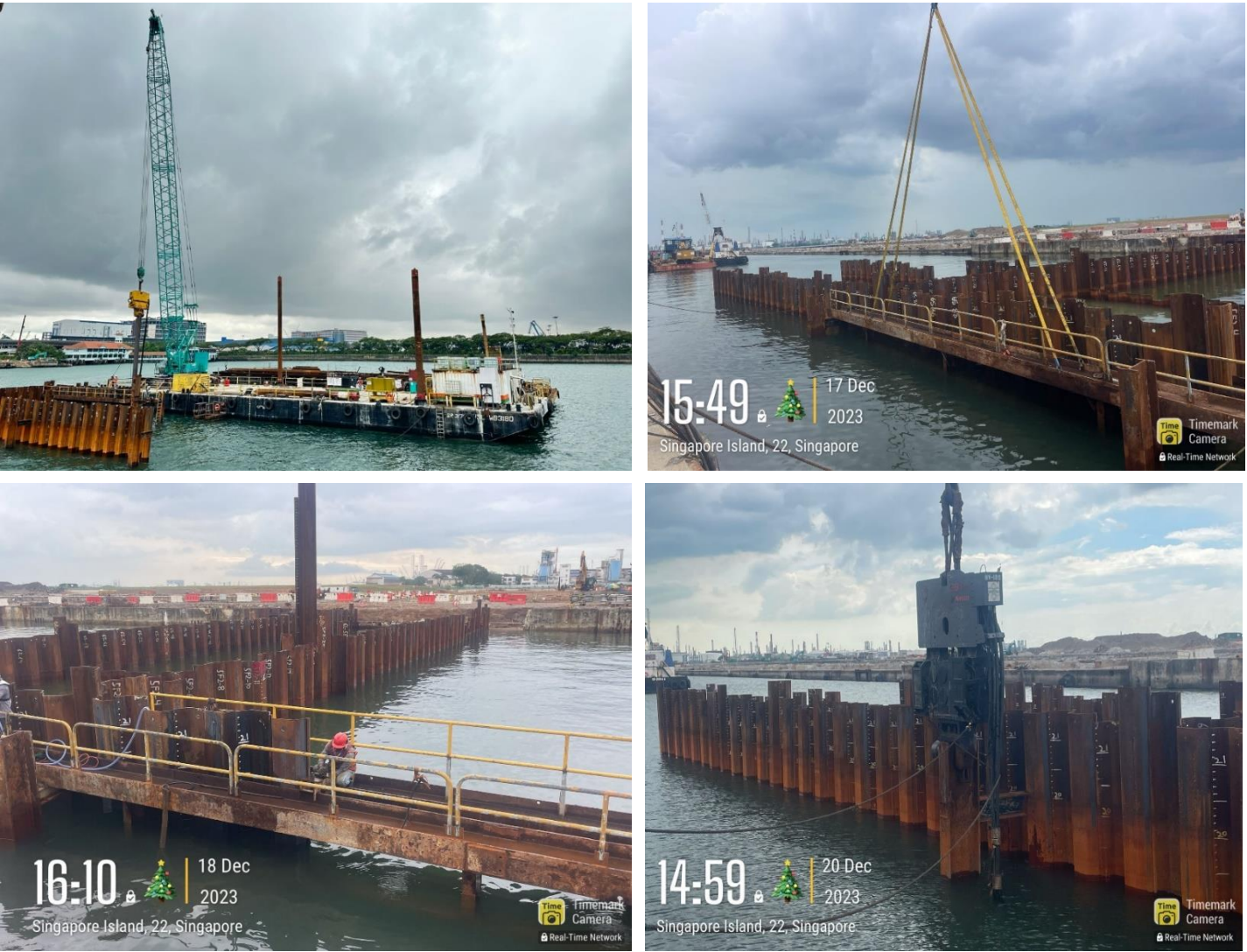
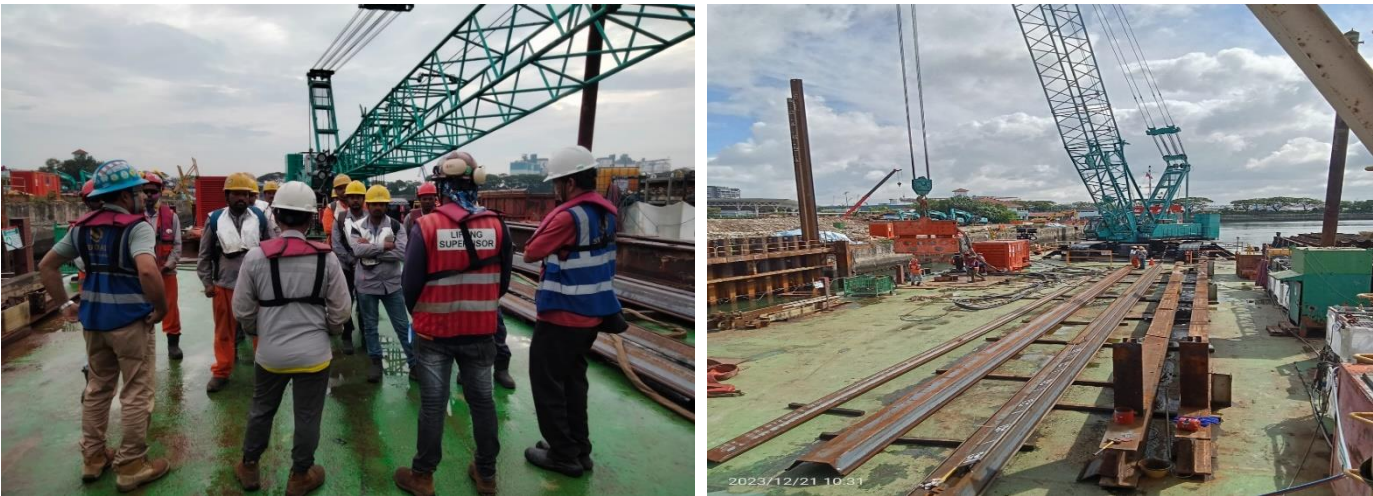
Start Date : August 2023

End Date : April 2024

The Tanjong Kling project involves the complex demolition of existing quays and dry docks, followed by the reinstatement of foreshore structures. The key steps include driving sheet piles to create a cofferdam, installing tie rods, and backfilling with sand to facilitate the demolition process.

The project emphasizes innovation, incorporating cutting-edge technology and engineering solutions for efficiency. Safety is a top priority, with a commitment to achieving zero accidents and incidents through rigorous measures and adherence to industry standards. The project not only showcases the company's capabilities but also contributes to sustainable community development. Excitement surrounds the opportunities it presents, with a commitment to sharing progress updates as the project advances.

Photos throughout the project



New Vehicular Bridge and Associated Works at Lower Seletar Close

Client : Defence Science and Technology Agency (DSTA)

Main Contractor : Kienta Engineering Construction Pte Ltd

Start Date : 30 Sep 2022

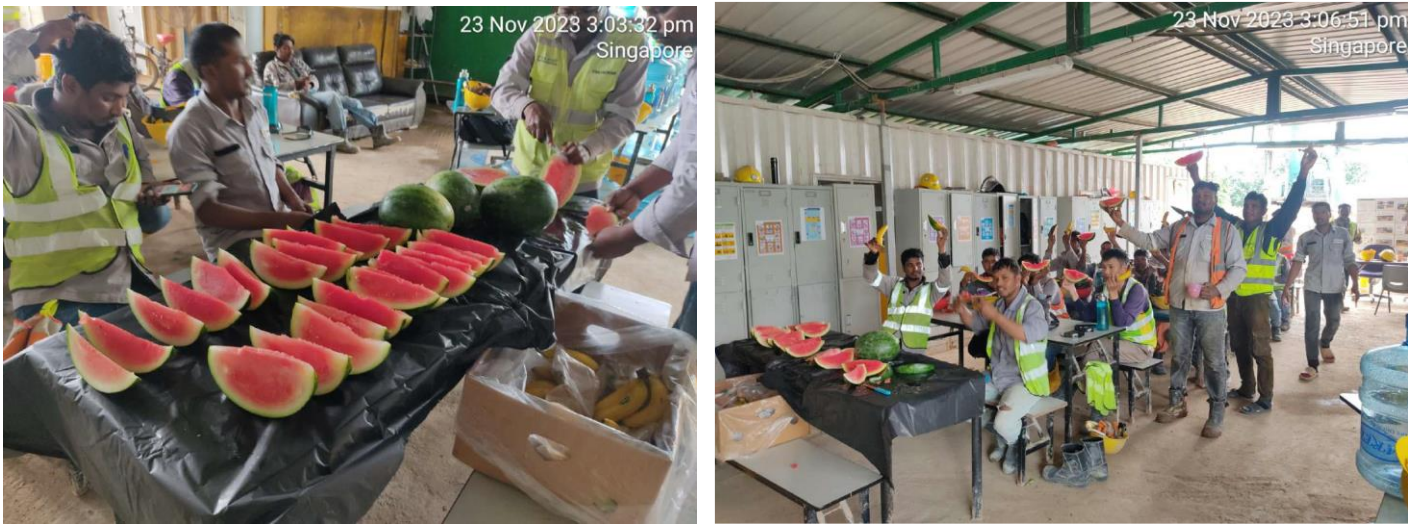
End Date :15 Aug 2025

The project involves the design and build of the temporary bridge, the existing bridge demolition, the construction permanent bridge, and canal widening.

Good implementations undertaken include:

- Obtain approval from authorities before starting work, including BCA, PUB, LTA, CAAS, Singtel Satellite Station, and main consultant Sembcorp (SCAE).
- Engage license cable detection worker to do the cable detection and do trial holes and report to get notification commencement of earthworks (NCE) approval from SP Power, Singtel, Netlink, and Starthub.
- All method statements, risk assessments, and safe work procedures were submitted to the main contractor, Kienta to present to client, DSTA during the Design For Safety (DFS) meeting.
- The silt curtain is to be installed before any earthwork to ensure that no pollution to the water in the canal.
- Wear a safety harness and ensure 100% tie-off while working at height.
- Personnel working near the edge without barricades and those on the barge are required to wear life jackets at all times.
- Lifebuoy is kept readily available at all times.
- Apply Permit-to-Work before starting work daily.
- All dirty water on-site will go through the environmental control measures (ECM) treatment system before discharge to the public drain.

Safety Promotion



Workers were provided with fruits as an encouragement to stay healthy and safe.

Mighty Engineering & Construction

A+ Engineering



Supervisory Training

As part of a continuous development philosophy, Mighty conducts regular supervisory enhancement training (“**Thursday Nights to Quench the Thirst for Knowledge**”) to equip every supervisor with the right skills and mindset. Started in March, this series of 14 carefully-crafted trainings seeks to provide the opportunity to learn new knowledge, unlearn bad habits as well as re-learn old wisdom.



Risk Management Awareness (July 2023)



RC Foundation (Piled & Non-Piled) (Nov 2023)



Analysis Drawings (Part 3) and Common Concrete Defects and Repair (Dec 2023)

Safety Milestone

On 6th September 2023, A+ contributed to PCS' achievement of 55 million man-hours without Lost Time Injury.



Management Listening Tour

The Mighty Management Listening Tour is a top-down initiative to reach out to the ground on their welfare, and any safety and quality-related concerns on site. Clients are also given the opportunity to provide any feedback regarding safety and quality issues on site.



Champion X (July 2023)



Office Facilities Extension for MELS 3 Project (August 2023)



Workshop (September 2023)

Hand Safety Campaign

We launched the Hand Safety campaign in the months of August and September across all project sites.



Bukom



Exxon Mobil Maintenance



Workshop



A+

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