

28th Considerate Contractors Site Award Scheme



13/WSD/17

Design, Build and Operate First Stage of
**Tseung Kwan O
Desalination Plant**

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Water Supplies Department



Enhancing lives, communities and the environment



AJC JOINT VENTURE



第28屆公德地盤嘉許計劃頒獎典禮

28th Considerate Contractors Site Award Scheme Award Presentation Ceremony



Considerate Contractors Site Award

This GOLD Award recognizes the outstanding performance for our Project with respect to the followings:
1) site safety management (including tidiness and hygiene),
2) site environmental management, the effectiveness of the preventive and protective safety measures, the effort to mitigate nuisances and to protect the environment, the provisions to safeguard the public, care of workers and others and; the effectiveness in implementing the CIC's guidelines.



Innovation Awards for Safety and Environmental Excellence Award

This GOLD Award recognizes the outstanding performance for our Project with respect to the creativity and innovativeness of safety and environmental strategies, measures, devices and installations in order to improve and uplift the safety and environmental performance.



Outstanding Environmental Management Award

This GOLD Award recognizes the outstanding performance for our Project with respect to the followings: effectiveness of environmental management, in particular the performance of the specific and "appropriate" measures and strategies on environmental nuisance abatement, green construction, green purchasing and waste management.



by **Lawrence Lau - RE Binnies**

It is an honor for the whole project team to receive ALL 3 Nos. of GOLD AWARD for all award categories including the **Considerate Contractors Site Award (CCSA)** for New Works Contracts, the **Outstanding Environmental Management and Performance Awards (OEMPA)** and the **Innovation Awards for Safety and Environmental Excellence (IASEE)** under the 28th CCSAS.

Commencing from 2011, the CCSAS has been co-organized by the Development Bureau and the Construction Industry Council to recognize contractors for demonstrating good site safety and environmental performance, as well as considerate attitude in carrying out the works towards the public. The CCSAS has entered its 28th phase for the appraisal period between 1 April and 31 December 2021.

These GOLD Awards recognize our project team's efforts. We attribute the success to the diligence of all TKODP project teammates and their accommodating nature. All parties, including WSD, Binnies, AJCV, subcontractors, and all site personnel are working at all times in a collaborative, responsible, and considerate manner by providing a safe and healthy environment not only within the construction site but also on the periphery of the site with due consideration to the public and the neighborhood.

"TEAMWORK MAKES THE DREAM WORK". The biggest honors go to our fellow project teammates since we have driven TKODP to get this far. We will continue to work together as a TEAM to maintain our momentum in building a SAFE CULTURE that cares for all, and appeals to those in the industry to adopt innovative and advanced technologies/devices with due consideration of site safety and health in the construction and maintenance stages to enhance performance and productivity.

We would also like to send out the warmest congratulations to **Mr. YANG Man-kwong, Mr. LI Chi-wah, Mr. TAI Kin-fu** (from Kwok Wing Construction and Engineering Company Limited) who are awarded as the **BEST Model Worker, Model Frontline Supervisor, Model Subcontractor Frontline Supervisor (with Model Subcontractor Awards)** respectively to recognize their outstanding achievements in promoting construction site safety.

Let's Watch Our
Safety Promotion Videos





Life First 2022 - Gold Award

Different from the previous years, the Construction Industry Council newly included the "Life First" 2022 Quiz Competition cum Award Presentation Ceremony in Construction Industry Safety Week this year. Our project team was honored to be invited as one of the four finalists to participate in this interesting event on the 29th August 2022! Being the first Quiz Competition held ever since, it was special in the sense that the team consisted of four different major stakeholders in the project, including the Client's Representative, Project Manager, Supervisor, and Worker. As a Civil Engineering Graduate currently receiving site training from WSD under TKODP, I played the role as the Client's Representative in this Competition with all-rounded support.



Kokomi HO - CEG WSD

Foreseeing the excitement and the level of intensity during the Competition, TKODP team had made a lot of preparations to face this event. Well before a month of the Competition Day, the team initiated to form a study group to keep up-to-date of various safety issues for an hour every Friday. In order to maximize our learning efficiency, we invited professional Resident Engineers and Safety Officers to be our "Safety Instructors", who led us to go through in-depth discussions for a total of 12 safety topics, such as legislation, safety and risk management, working at height, lifting operation, and confined spaces. Our "Safety Instructors" always reminded us that all stakeholders should take up their roles and responsibilities to enhance construction safety and "Say No to Danger" in daily site operation. Approaching the competition day, we also held a mock competition to get all members motivated and be well-prepared to win.



On the day of the Quiz Competition, the team participated in both the preliminary and final round of the competition. There were MC questions in both rounds, and pictorial description question in the finals. We not only tried our best effort in answering all questions, but also had to compete with the other teams and voice out our answers in time. One of the highlights in this competition was to allow the team to use "Tips Coupon" for once, such that we could contact our colleagues in the site office through video conferencing and ask for advice. With unlimited support, we successfully entered the finals and performed well in the pictorial description session. Acting the role of different stakeholders, we pointed out the safety deficiencies in the picture and suggested remedial measures in different point of views. In the end, our presentation won the highest vote from both the live and online audience. It was honored that the TKODP team successfully won the gold award!!



The Association of Consulting Engineers of Hong Kong (ACEHK) Engineering - Dreams into reality: Short Video Competition 2022

First Place

by Michelle Cheung, RE Binnies



點樣可以飲海水呢?



Congratulations to the Tseung Kwan O Desalination Plant project team for winning the Association of Consulting Engineers of Hong Kong (ACEHK) Short Video Competition 2022, titled "**Engineering - Dreams into reality**".

Hosted by ACEHK to celebrate their 45th anniversary, the short video competition aims to share the works of engineers that turn dreams into reality. Let us take a look at TKO project's winning video to see how they turn their dream of **drinking seawater into reality in a creative and fun way**.

COMING 3-MONTH CHALLENGES

- Removal of the ELS for the wet and dry shafts for marine works
- Completion of GRP works and cable laying works
- Completion of FSI for 132kV substation
- Energisation of the Main Electrical Chiller Plant Building
- Completion of the media charging for 4 ActiDAFF cells



Chemical Dosing Skid



Steel Tanks

DfMA in TKODP

by Darren Lau, RE Binnies

LEGO style construction has been adopted at TKODP which is the construction of standardized elements with off-site manufactured approach. We call it "Design for Manufacturing and Assembly (DfMA)". Attributing to the implementation of DfMA, we are moving forward at great pace in off-site fabrication and subsequent on-site construction of different Civil and E&M DfMA works around the site: -

- **Lime Saturators:** 2 units of pre-assembled skids, each weighing 20 tonnes and measuring 8.2m in diameter and 5.8m high, were delivered from Shanghai, PRC and positioned at Post Treatment Building with the aid of hydraulic skidding system.

- **GRP Tanks & Chemical Dosing Skids:** Well-coordinated civil and E&M interfacing work enabled completion of delivery and positioning of GRP tanks and chemical dosing skids at Chemical Building.

- **External Wall Panel:** Delivery and installation of wall panels at north and south faces of Product Water Pump Room and Electrical Building were completed, with works on-going in other faces and Reverse Osmosis Building.

- **Open Channel:** Off-site fabrication and delivery of all channel segments were completed while installation is heading towards completion.

DfMA is a proactive design approach that improves ease of manufacture and efficiency of assembly by enabling off-site manufacture and pre-assembly of different construction components, and hence on-site works are reduced. It is delighted to see that the adoption of DfMA in TKODP brings valuable improvements in **site productivity, safety, quality and sustainability.**



External Wall Panel



Lime Saturators



Open Channel



GRP Tanks

Y-WE Youth Work Experience Tang King Po Secondary School

WSD has joined the Y-WE 2022 programme initiated by the **Child Development Initiative Alliance**. Under this youth internship programme, two Form-5 students, namely **Ben Yu and Anthony Lam**, both pursuing a career as a civil engineer, spent 3 working days at TKODP in August 2022, to get a taste of being an engineer.

After 3-day on-job training at TKODP, Ben and Anthony were surprised that lot of new technologies, such as BIM and smart safety devices, were being adopted in the TKODP construction site. **Their confidence and motivation to be an engineer were further enhanced.**

The negative perception of construction industry still exists in Hong Kong. Thus, recruiting young talents into a career in construction is one of the biggest challenges that our sector faces. Together let us do more to promote and inspire the future generation into engineering careers.



Total Water Management & Woodhouse Building Workshop Kowloon Bay St. John of the Baptist Catholic Primary School



In August 2022, our PR team did our first-ever outreach activity to a primary school and introduced the Tsung Kwan O Desalination Plant to more than 25 students of Kowloon Bat St. John of the Baptist Catholic Primary School.

By giving the presentation, we aimed at enabling students to know more about **water as a precious resource** and necessity for sustaining life on earth thereby inspiring them to think about the principle of saving water and the reasons why we need seawater desalination plant in Hong Kong. All students participated actively in the presentation and gave great and sensible responses to the questions being asked by us.



In the second half of the programme, in collaboration with the Wasted Co. Ltd, the PR team and the students together **built a small wooden hut by waste woods** collected from the project site, which we hoped to encourage recycling. Take a look at the photos we took during the visit and see how happy the students were!

