

# Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant 13/WSD/17

Newsletter  
ISSUE 02  
Winter  
2020

Product Water Storage Tank

Reverse Osmosis Building

ACTIDAFF

Combined Shaft

CLP 132kV Substation

View  
all Issues



Internal  
distribution  
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## WORKS PROGRESS

Right from the commencement in Dec 2019, the Contract has been impacted by COVID-19 pandemic. Some may see it as crisis, but we, AJCJV, B&V and WSD as a project team, are determined to move fast and see opportunities to apply our **Innovation** and adopt modern **Technology** in the project. Echoing with "Construction 2.0" initiatives, such as Building Information Model (BIM), Digital Works Supervision System, Smart Safety Devices, Modular Integrated Construction (MiC) and Design for Manufacture and Assembly (DfMA) method are adopted for the project. In addition, the whole project team has exercised **collaboration** in running the contract.

Approaching the first anniversary of the Contract, it is a good time to have a year-end review of the project performance. The past 12 months have been packed with promising actions taken and our achievement is fruitful. We will be celebrating some noteworthy milestones by the end of 2020, including completion of major detailed design of foundation, structures and building services of buildings on critical paths; completion of 90% excavation and 70% foundation of all buildings; good progress in the construction of super-structure of major process buildings; completion of concreting works for 132kV substation and more. Certainly, we have built a strong foundation for the project, but there are still many challenges ahead that need to be carefully addressed through positive and forward-thinking. We consider **Innovation**, **Technology** and **Collaboration** are still the keys to overcome them.

We thank all of you for the hard work in 2020 and look forward to your support in the year ahead. Wish you all **a Merry Christmas and a Happy New Year!**

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# SAFETY TRAINING AND EXPERIENCE CENTRE



The Safety Training and Experience Centre allows the workers and site personnel to carry out the site safety trainings with the aid of virtual reality (VR) technology and immersive experience to simulate real working environment. The Safety Training and Experience Centre is utilized to provide 8 nos. of site specific safety trainings to the workers. The topics of safety trainings include lifting operation, lifting appliance, working at height, fire prevention, electricity safety, hot work, personal protective equipment (PPE) and first-aid & emergency preparedness.

## 1) Open to individual site personnel:

Opening Hours: 1:00 pm - 1:30 pm on every Tuesday & Thursday (except Public Holidays)

## 2) Group Entry by email booking:

Nicky Wong (AJCJV, Safety Officer) - [wingming\\_wong@cohl.com](mailto:wingming_wong@cohl.com)

Wilson Qu (B&V, RE) - [re16@bv13wsd17.com.hk](mailto:re16@bv13wsd17.com.hk)

After your journey of safety experience at the Centre, you are invited to leave a comment/ feedback to us for continuous improvement. Thanks to AJC Safety Team, the most constructive/ innovative comments will be selected monthly. If you are selected, you will be presented with a small gift as a token of our appreciation.

Feedback form



## CIC SAFETY GIRLS 2020



**B&V-ARE**  
**Vanessa Leung**  
 CIC Safety Girls finalist

## 建造業 SAFETY GIRLS 2020

CIC has been recruiting "Safety Girls" to promote safety awareness in the construction industry and enhance the image of the industry.

### Congratulations to Vanessa [ARE, B&V]!!

She has been selected as one of the seven finalists.

[CIC Facebook link of the finalists]

<https://www.facebook.com/watch/?v=824379771732642>

<https://www.facebook.com/watch/?v=408382343876038>

She has already participated in making videos with CIC to promote safe lifting operation in construction site and helping community by serving lunch boxes to the needy.

<https://www.facebook.com/CIC HK/videos/746561639542752>

We appeal for your support to vote for Vanessa. Details to be announced by CIC shortly. Stay tuned for updates.

# AWARD – CIC BIM PROJECT 2020



We are honored to receive another recognition regarding the implementation of BIM of the project, namely **BIM Project 2020**, which is granted by the **Construction Industry Council (CIC)**.

To celebrate and highlight the BIM achievements in the construction industry, this year the CIC presents awards to projects with great contribution and achievement in BIM adoption and innovation. The celebration aims to inspire organisations and practitioners to continually be **creative, innovative, transformative or disruptive** in bringing BIM to its full potential, by recognizing and sharing their achievements with all stakeholders.

Our BIM has been developed and adopted as tools to facilitate cross-disciplinary collaboration and coordination. We look forward to more benefits that the BIM can bring to us, in terms of construction safety, waste management, progress, and quality of works.

QR code to Celebration of BIM Achievement 2020 - Winners' Booklet



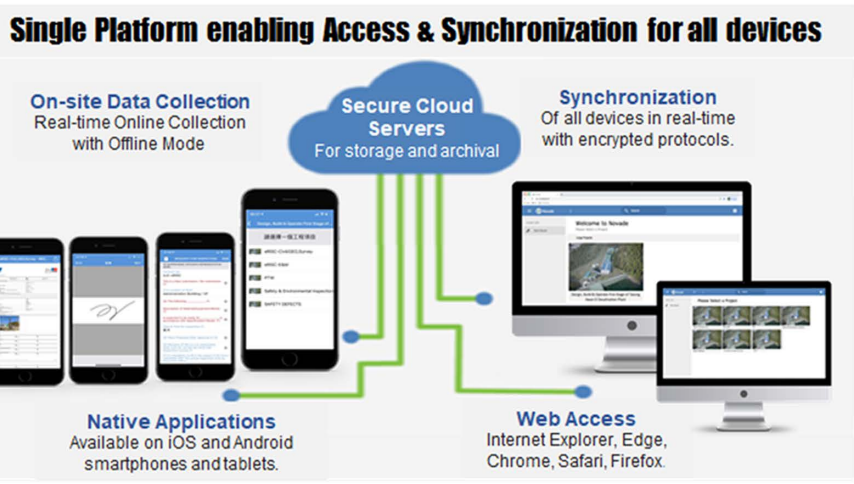
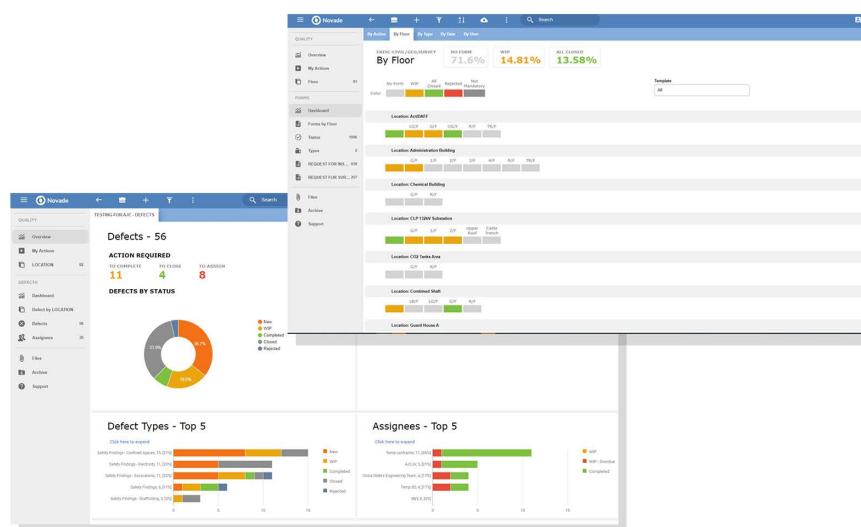
## DIGITAL WORKS SUPERVISION SYSTEM (DWSS)

The project DWSS goes live now!

As originated from the **Construction 2.0** initiatives driven by Development Bureau, the Digital Works Supervision System (DWSS) is a work-flow enabled application system which consists of the following five mandatory modules to facilitate the digital processing of the required forms and records with one centralized database system :

- Request for Inspection/Survey Check (RISC)Form
- Site Diary/Site Record Book
- Site Safety Inspection Record
- Cleansing Inspection Checklist
- Labour Return Record

More than 100 active users from AJCV and B&V have been recreated so far. Since the adoption of the DWSS in September 2020, over 1000 eRISC forms have been digitalized and the average response time to complete the form is less than 2 days. We will continue to get your feedback to fine-tune the DWSS implementation for the project.










The Site

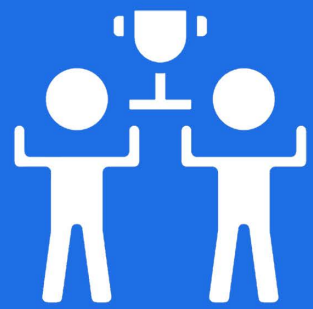
# COMING 3-MONTH CHALLENGES



-  Agreement with FSD on arrangement of Emergency Pressurized Team (EPT) for hyperbaric intervention during TBM operation
-  Handover of defect free 132kV Substation to CLP
-  Completion of excavation at Combined Shaft
-  Finalization of major DDA submissions
-  Commencement of marine works



## PARTNERING CASCADE WORKSHOP FOR SITE TEAM



Cooperation for Project Success



Our Partnering Charter



Working Collaboratively



Perceptions & Behaviours

55 participants, including front line staff and supervisors, from WSD, B&V, AJCJV and the subcontractors, joined a half-day partnering cascade workshop at TKODP site office on 29 October, 2020.

The objectives of this workshop were:

- to develop collaborative working relationships across the project team and subcontractors
- to align all parties to project objectives and behaviours

The workshop commenced with opening speeches from B&V - Chief Resident Engineer and AJCJV - Construction Manager. It was followed by exercise on perception and behaviour, group discussion and exercise in how teams work together.

Everyone enjoyed the workshop and contributed enthusiastically. The workshop achieved its set objectives for sure.

# ANTI-COVID-19 MEASURES ON-SITE



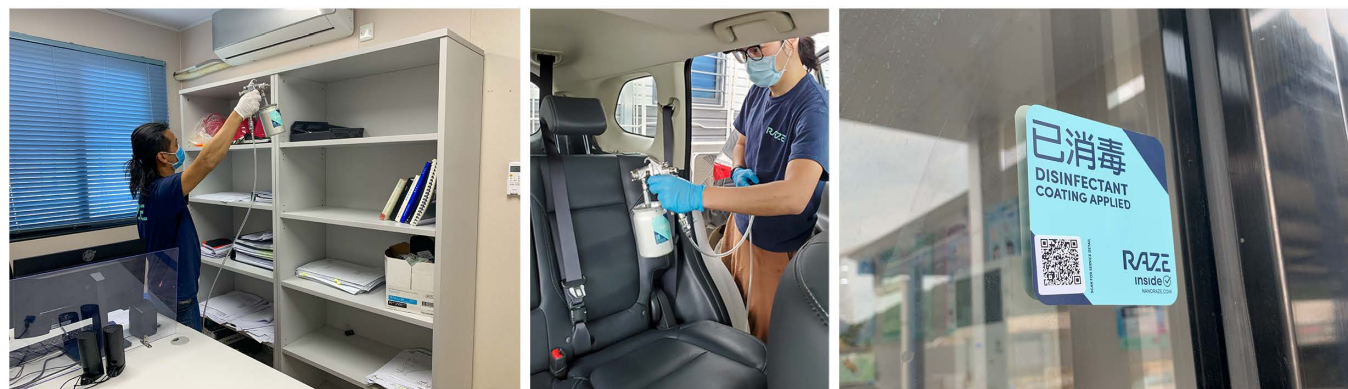
## “LeaveHomeSafe Mobile App”

The Government has just launched the **LeaveHomeSafe mobile app** as part of the efforts to deal with the COVID-19 epidemic. The LeaveHomeSafe mobile app provides a convenient digital tool for citizens to record their visit history to different venues throughout the territory. In case that a venue has been visited by person(s) infected with COVID-19, the mobile app will provide notification to users who have visited the same venue at about the same time, hence **increasing vigilance and self-protection** of users as well as their confidence in visiting different venues.

We have displayed the LeaveHomeSafe QR Code for the Site Office at the entrance. All staff and visitors are encouraged to download and use the app and scan the QR code for their visit.

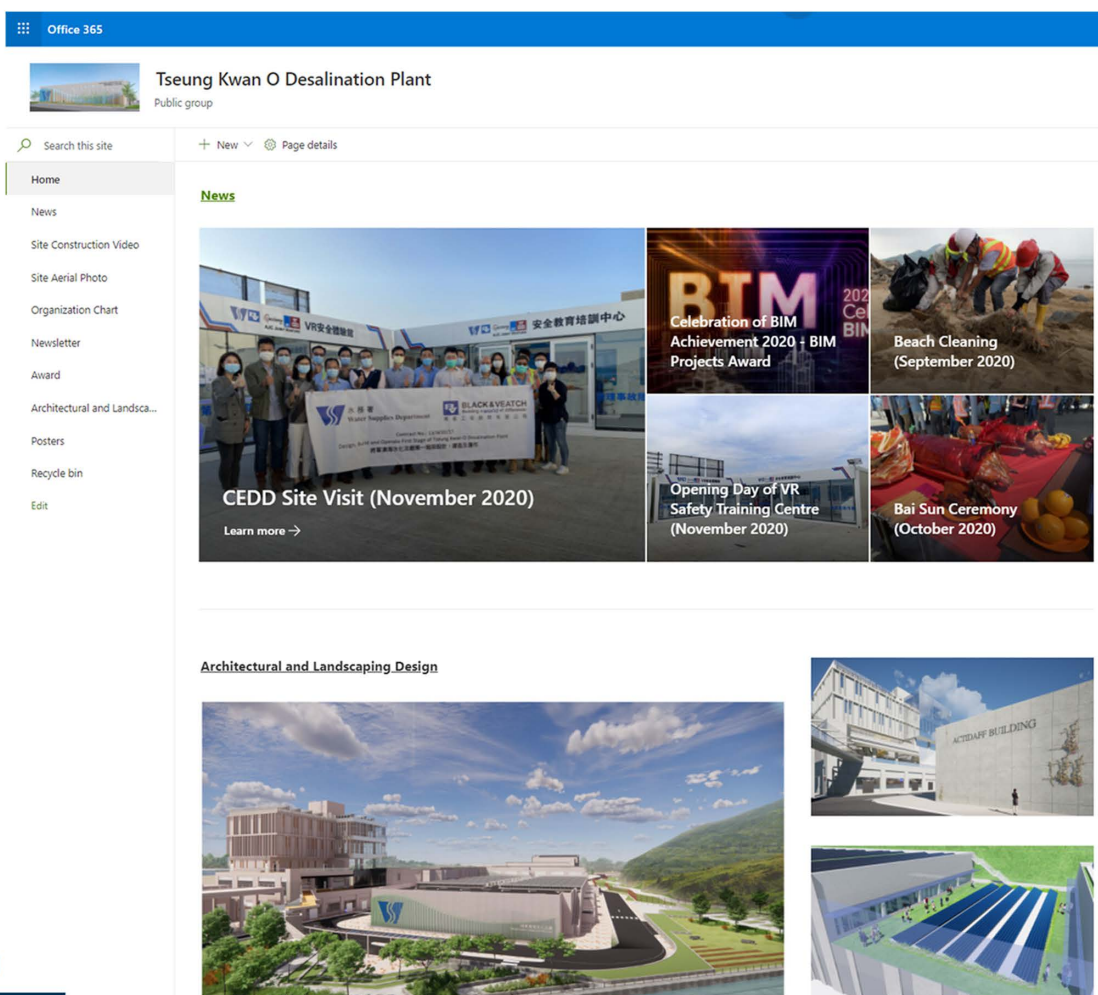


## “Embed our Workplace with Hygiene”



In November 2020, a **photocatalyst protection coating** has been applied at the MiC site office and contract cars to guard against COVID-19. A layer of light-activated disinfectant forms a structural coating that stays on surfaces for prolonged protection. During its application, it purifies indoor air continuously and removes pollutants, serving as supplement to regular cleaning. This minimizes the chance of COVID-19 spreading on-site, as well as to **maintain a high standard of health** for the site personnel.

# PROJECT SHAREPOINT



The Project SharePoint is now open to all team members of AJC/B&V/WSD on the project. It offers a web platform for every project team member to gain access to files, data, news and resources related to the project. Currently, the following contents / features are included and regularly updated.

- 1) Updated O-chart for RSS and AJC
- 2) Monthly aerial photos
- 3) Project related videos
- 4) Awards received
- 5) Newsletters
- 6) Event photos
- 7) Architectural and landscaping design

The site is not open to public and only pre-accepted users are allowed to sign in. If you would like to get access to the Project SharePoint, please send your request to **Zeon Chan - [sto2@bv13wsd17.com.hk](mailto:sto2@bv13wsd17.com.hk)** for registration.



by [B&V] William Tang & Steven Tong

# Connect the Sea

by [B&V] William Tang



by [AJCJV-JEC] Zeal Choi

## 善用我海港 共建化淡廠

by [B&V] David Wong & Man Leung

### 萬川歸海 淡作清泉

by [B&V] William Tang



by [B&V] David Wong & Zeon Chan

海水再生  
'主新不息

by [WSP] Alice Chan

## Project Slogans and Logo Design Competitions

We have launched the Project Slogans and Logo Design Competitions since October 2020. The main objectives of the said competitions are to promote the team unity and spirit, to illustrate the Project Charter, and to promote TKO Desalination Plant to the public. As such, the winning slogans and logo will be used in project website, banners, posters, site uniform, stickers and etc. for publicity purpose. After the first round of voting in November with very keen competition among both individual and group entries from staff of B&V, AJCJV, WSP, and APU working for the project, we have shortlisted the top voted finalists for the final voting in December. Winners will be announced shortly. In the meantime, you may scan the QR code to know more about the design concept of the shortlisted slogans and logos.



逆轉創新  
食水新源

by [WSP] Keiko Kam

Water comes,  
Water goes,  
Desalination  
is our goal

by [B&V] Man Leung

D•PLANT  
de PLANT we PLANT

by [APU] Alice Chan

逆流再生  
海中甘泉

by [WSP] Tony Chiu,  
Chris Ma & Keiko Kam



by [B&V] William Tang



by [APU] Ada Tang,  
Oskar Ng, Alice Chan & Carey Ng

### TKO Desalination Plant, New chapter for water supply, Hand in hand for better future

by [B&V] Esther Chan, Avis Ng, Vanessa Leung,  
Nickola Fung, Vincent Wong, Brian Kam & Jolly Li

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