



# 132kV Substation Handover March 2021

**MISSION ACCOMPLISHED**

**A SUCCESSFUL PARTNERSHIP**



Energization of 132kV substation of the Desalination Plant is essential to this Contract as the 132kV substation is required for supplying power for testing and commissioning of the Desalination Plant, by April 2022 the latest. **It is our mission** to complete the 132kV substation structure, E&M and BS in a defect-free condition and hand over the substation to CLP by April 2021, i.e. within 16 months after commencement of the Contract, for their subsequent electrical equipment installation, transformers installation, associated cabling works, T&C and grid connection. We are proud to announce that with hardworking colleagues and a tad of perseverance, **we have made it through to the end**. The substation was **handed over to CLP** on 22 March 2021!

**We all have a role to play in the successful completion of works, but what role are we all playing and how?**

We adopted a very **collaborative** approach in the construction of the 132kV substation. Initially engaging the design team to hold regular meetings with CLP to identify and resolve design issues. Then once construction works were underway, we started off with weekly site walks, then added in weekly meetings to discuss the planning arrangements, the interfacing amongst the different trades – Civil/E&M and BS and to resolve the issues encountered on site proactively. We could have up to 20 different trades working in the 132kV substation at any one time!

The **successful completion** of the 132kV substation was achieved with lots of **laughter, discussions, a willingness** by all to agree to disagree, to listen and work together to see the issues from the other party's point of view. This ability to step into the other party's shoes was due to our **collaborative** approach to the works and most importantly, to work as equal partners.

**FUN FACT**  
132kV Sub-station

Gross Floor Area	Height	Volume of Concrete Used	Total Man-day Worked for Civil	Total Man-day Worked for E&M
2040m <sup>2</sup>	22m	2800m <sup>3</sup>	6680 man-day	2150 man-day

**13/WSD/17**  
Design, Build and Operate First Stage of  
**Tseung Kwan O Desalination Plant**  
Newsletter | ISSUE 03 | Spring 2021



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# START OF OUR JOURNEY AS Binnies



BINNIES HONG KONG LIMITED  
賓尼斯工程顧問有限公司

We are delighted to share that Black & Veatch Hong Kong Limited is now owned by **RSK Group**. The acquisition has formally completed, therefore making the start of our journey as Binnies.

## Why has the name Binnies been chosen?

Today we reintroduce the Binnies brand to the market. In 1995, world-renowned engineering consultancy Binnie & Partners merged with Black & Veatch, thereby establishing the company's presence in the UK, Hong Kong and Singapore. It was this transformational merger, along with subsequent acquisitions that led to the Black & Veatch Water Europe and Black & Veatch Water Asia businesses as we know them today.

The name has been chosen to recognise and pay homage to the incredible engineering heritage, the many iconic international projects and the established values and strength of the former Binnie & Partners brand. By modernising and reintroducing this brand to the market, we will capitalise on the current tremendously strong market positions of our UK, Hong Kong and Singapore based businesses and help accelerate their growth plans going forward. This is the start of an exciting new chapter, so our hope is that all professionals in the newly branded Binnies feel part of this process and welcome the new brand.

## Who is RSK?

RSK Group Limited (RSK) is a successful environmental, engineering and technical services business. Our specialist skills and knowledge in a variety of industries enable us to provide clients with invaluable services ranging from environmental consultancy, site investigation and planning, civil and structural engineering through to energy and sustainability. The company has more than 130 offices worldwide. It is one of the leading businesses in its sector and the largest privately owned company of its kind in the UK. RSK also has a strong presence in Europe, the Middle East and Africa and ambitious plans for further international growth, including greater penetration into Asian markets.

RSK website: <https://rskgroup.com/> **RSK**

Managing Director of Binnies in Hong Kong, Andy Kwok, says:  
"Our water business has a proud history of working on celebrated projects across the territory, notably the first reverse osmosis desalination plant in Hong Kong as well as sewage and water treatment works and flood protection. Such projects will stand RSK in good stead in terms of providing end-to-end services to clients in the region."



# CARE OF COMMUNITY - A LIFE SAVING MISSION



The uncertain COVID-19 pandemic situation along with the winter demand surge has resulted in blood inventories depleted frequently to **very low levels** (3 to 4 days of supply). To support and give back to our community, the TKO Desalination Plant site team organized our first on-site donation drive successfully on 28 December 2020. **Our 1/F conference room** in MiC office was converted into **a blood donation venue** with help from the mobile collection team of **The Hong Kong Red Cross Blood Transfusion Service (BTS)**.



The blood donation drive was met with great enthusiasm from colleagues from WSD, AJCJV and RSS offices. Many of them are actually **first-time blood donors** and they found the experience to be meaningful and fulfilling. Some colleagues had scheduled to make a special trip to the site office amid the Christmas / New Year Holidays to support this event. Kudos to all members who helped and contributed to the drive in any form, organization, promotion or participation. We hope more colleagues will be able to **join us in our next life-saving mission**.



# CONSTRUCTION INDUSTRY COVID-19 TESTING SERVICE

To further strengthen the preventive measures of COVID-19 at construction sites, the **Construction Industry Council (CIC)** and the **Hong Kong Construction Association (HKCA)**, with the support from the Development Bureau of the HKSAR Government, jointly launched the first phase of "Construction Industry COVID-19 Testing Service Scheme". We joined the Scheme and on 26 February 2021, a one-off on-site testing service was provided to all frontline workers and site staff. 464 nos. of us voluntarily joined the Scheme, with an aim to ensuring **our own safety and health, as well as protecting our families**.



# COMING 3-MONTH CHALLENGES

- Completion of GBP submission and approval by FSD
- Completion of FSD's EPT setup
- Commencement of sewerage works at Wan Po Road
- Commencement of Yard Piping
- Approval of Stage 2 DAP submission by ArchSD

## WINNERS OF PROJECT SLOGANS, LOGO & JACKET

Thank you for your tremendous support to our TKO Desalination Plant Project Slogans and Logo Design Competitions. After the final round of voting, we are pleased to announce the winners of each category as follows.

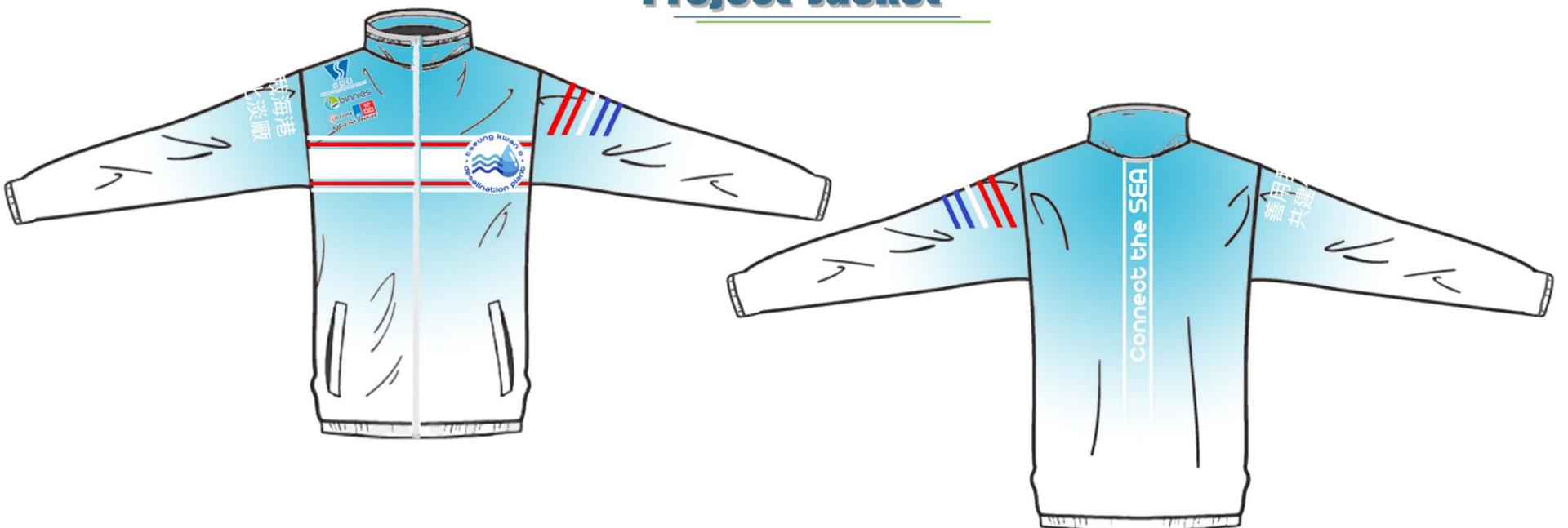
### Project Logo



### Project Slogans

善用我海港  
**CONNECT**  
**THESEA**  
 共建化淡廠

### Project Jacket



Once again, we would like to thank you all for your active participation to the Competitions, no matter you are voters or slogans & logo designers. It's impressive to see we professionals can perform well artistically too!!

# WOMEN IN TSEUNG KWAN O DESALINATION PLANT

## Isn't construction just for boys?

The answer we found in TKODP is "no". We have a lot of talented ladies working for the TKODP, many with inspiring stories and varied career paths. Learn more about their role, how they got here and what they feel.



將軍澳海水化淡廠就像一個在2019年12月30日出生的嬰兒，出生後得到很多哥哥、姐姐、auntie、uncle 的寵愛，茁壯成長。不久將來「他」長大後回饋社會，一定不會讓大家失望啊！

Mable Lam <CE-WSD>



Being an enthusiastic trekkie and stargazer, my motto is "to boldly go where no man has gone before". The curiosity has taken me on many journeys where I was rewarded with everlasting friendship and water infrastructures serving many communities. I treasure each and every TKO unique experience including collaborative project team, desalination, DBO contract, tunneling, DfMA, smart safety, digital twins, etc.

Christina Ko <SPM-Binnies>



It has been a great experience for me to move from Singapore to Hong Kong to work on this iconic water project alongside team members from different countries. I feel very privileged to be given the opportunity to contribute to the water security for the Hong Kong Community.

Ting Ting Lu <SRE-Binnies>

We endeavour to practise collaborative partnering to the fullest among ourselves regardless of gender, over the contractually required, as if it was a NEC contract.

Helen Poon <CM-CSHK>



From the very beginning, when I started to work at the tender stage of the project, I knew I wanted to move to HK, but I felt I was obliged to choose between leaving my family in my home country and working hard for my professional career.

Generally, nowadays this is not an issue for men but a big one for women that still have to take a big step in this direction, but we cannot forget that this cannot be possible without the essential help of our male workmates. Gender equality in construction cannot be completed until woman don't feel that they don't have to make a choice.



Lucía Esteban Lorente <ME-Acciona>



Glad to see women's empowerment in this project, not to mention the other good stuff that has happened/is happening among the team.

Shirley Cheng <RE-Binnies>



A warm smile makes us closer – work as far as we can while being nice to each other

Man Leung <RE-Binnies>

大家好!我係Cindy,加入海水化淡廠工作已超過一年,第一次嘗試共享辦公室的環境,給大家提供了溝通交流及互相學習的機會,以實踐<快樂工作,健康生活>的理念。祝各位女士三八婦女節快樂!

Cindy Zhou <AO-CSHK>



我很榮幸加入到將軍澳項目,在這裏多方合作互信的精神讓每一個項目成員都十分投入。

Vicky Chan <PC-WSD>



重新出發  
新的體驗  
新的挑戰  
盡在137區

Shirley Ko <AO-JEC>



Grateful to have the best collaborative partnerships and be the part of the excellent project team here!!

Venus Chan <ACM-CSHK>



"Why?" one of my favourite words, and if you know me, you will be prepared with answers to my endless questions. There is no need to hide away for I will track you down until I get my answers, because questions brings about creativity, curiosity brings about innovation. That is what TKO is about, creativity and innovation!

Lorinda Lee <RE-Binnies>



成一份子。出一分力  
我們能夠成為將軍澳海水化淡廠工程的一份子,感到榮幸。「GO女子組」與AJCJV透過緊密溝通,合作無間,不分彼此,全力協助相關後勤工作,共同面對挑戰,務求使各部門運作順暢,得以完成任務。我們為可共出一分力而驕傲!大家願意給我們的努力掌聲嗎?

Phoebe Ho, Fannie Fong, Vivi Chan, Eli Hui, April Wong, May So, Jessica Lai & Soda Chan <General Office-Binnies>



I am glad to be one "gear" inside engineering field and contribute to each engineering project. Always feeling challenging when I face different difficulties, and happy when I can resolve them.

Nicole Yim <ARE-Binnies>

女人能頂半邊天？在過去只是空想，尤其在工程界。但今天，空想變成事實，在此要多謝中國建築給予的機遇和接納，也希望在未來日子裡，我們能夠擔當更重要的角色和承擔更大的責任。

Tiffany Tsang <EO-CSHK>



Hi, everyone! I am Cherry Wong, a new joiner to the commercial team. It is my pleasure to be one of the project team in procuring Hong Kong first mega desalination plant. Hope that we collaborate and contribute to deliver quality desalination plant for better future and better earth.

Cherry Wong <QS-JEC>

It is such a great experience during my training to work with so many talented women! I hope more young professionals will choose engineering as their future careers.

Jolly Li <ARE-Binnies>



大家好，我是YUMI，加入這個大家庭已經15個月了，見證到這裡由空地變成一個漂亮、舒適的寫字樓，亦跟聯營公司、顧問公司的同事由陌生變得熟悉。從未試過工作上可以這樣緊密及有效率，在這裡工作真的很愉快，希望未來日子大家都身體健康，工作事事順利，最後祝所有女性同事三八婦女節快樂~~

Yumi Chan <SC-CSHK>

In TKODP, I am having a great group of people to work with is all that matter at the end of the day.

Nickola Fung <ARE-Binnies>



I am delighted to work with a great team in this significant project.

Esther Chan <ARE-Binnies>

In the construction industry, it always starts from scratch, starting from a barren piece of land and through the efforts of different professionals to turn it into a fully developed building. I studied Land surveying and Geomatics, to have been able to be a part of this project has been no less than proud and sense of achievement. This project has optimized the use of BIM and point cloud, through the Scan to BIM it can retain the construction site quickly and easily help with segregation of duty. It can also help provide detailed information upon handover.

Yanist Kwan <SOE-Binnies>



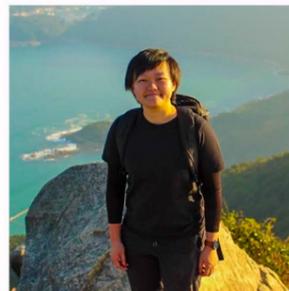
實現「不可能」唯一的方法就是相信它是可能的！感謝公司給我一個實現「不可能」的機會，希望未來會實現更多的「不可能」。

Artemis Tam <CLO-CSHK>



I enjoy being part of the cooperative, devoted and diversified team at the TKODP.

Avis Ng <ARE-Binnies>



大家好，十分榮幸能在將軍澳海水化淡廠這個大家庭和各位同事一起工作。新一年祝各位身體健康、事事順利。

Shirley Chan <QS-CSHK>



初次踏入這行的工作，跟我過往的工作形式很不同，有另一番體會，感覺公司很愛護員工，希望能在這份工作當中有喜悅、跟同事們一起工作順暢，能和睦相處。

Phoebe Lau <SC-CSHK>

I am glad to be involved in the building industry and particularly in this TKODP project, which is such a large-scale facility serving the public needs' together with high target in environmental goals. With collaboration between talented gentlemen and ladies, we could build a better community.

Hannah Wong <E-Beexery>



I am delighted to join the Binnies family. And really enjoy working with friendly colleagues and the great working environment.

Kathrina Wong <TO-Binnies>



I believe that engineering is not just a male-dominated field, but certain positions are suitable for women. I am honored to partner with the outstanding team here, a part to play in Hong Kong for the water projects. Happy Women's Day."

Kay Cheuk <STO-Binnies>



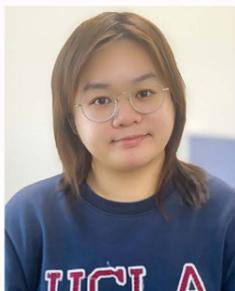
Hi, I'm Amo Ma. I'm a QS work in CSHK. I enjoy watching movies at my leisure time, here to share the words as Jo said in the movie "Little women": "Women have minds and souls as well as just hearts, and they've got ambition and talent as well as just beauty. And I'm sick of people saying that love is all a woman is fit for." What a beautiful times that women are worth being respected today. Happy Women's Day.

Amo Ma <QS-CSHK>



Truly honoured and grateful to be able to take part in this project and help create a sustainable water future.

Mila So <PE-JEC>



Explore the innovative methodology to deliver good value for project within cost and time.

Hazel Tang <SOQ-Binnies>

As a newcomer to this big family, I feel excited about the innovation and modern technologies adopted in this project. Also, the collaborative working environment and culture promote my ethos of sharing and caring.

Jasmine Low <ARE-Binnies>



職場女性日益增多，願在TKODP工作的女性，充分發揚了“自尊、自愛、自立、自強”的巾幗精神，在各自平凡的工作崗位上做出不平凡的成績。

Phoebe Kwok <SC-JEC>



Beyond exciting and grateful to be working on this iconic project at a workplace of diversity and inclusivity. I am looking forward to completing this project for the community of Hong Kong!

Vanessa Leung <ARE-Binnies>



Since TKO Desalination Plant is the very first WSD project which adopted the Reverse Osmosis (RO) technology to produce fresh water, it is a golden opportunity for me to gain a solid experience in installation, testing & commissioning and operation of RO desalination process. I am so honored to be one of our E&M team and looking forward to new challenges.

Alice Ng <ARE-Binnies>

