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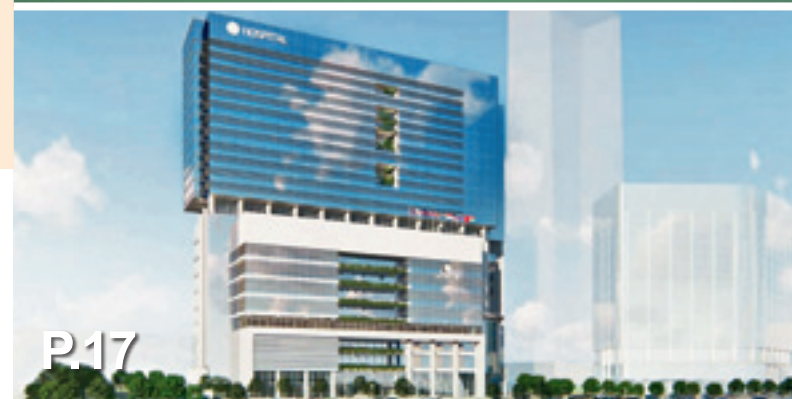
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CEO'S MESSAGE 行政總裁的話

As we move in to a new year, it is a good time for us to reflect on our achievements of the past year but most importantly to plan for the year ahead. The events of the last year have continued to shine a light on just how quickly our world is changing. The way in which we augment and utilise technology in our daily business lives has become more prevalent.

The feature story in this issue highlights some of the work that JEC has been doing for the community as well as showcasing of our future growth engines and focus areas for 2019 and beyond.

Please enjoy your read and may I take this opportunity to wish you all the best for 2019 and the forthcoming year of the PIG!

Kung Hey Fat Choy!

邁進新一年，正好回顧過去一年的成績，還有更重要的——訂立來年目標。過去一年的種種變遷，繼續印證了現今世代的轉變日新月異；企業借助科技以改進日常營運也日趨普及。

今期的特寫故事介紹了怡和機器一些建設社區的工作，以及未來的業務增長動力，為2019年以至更長遠的發展鋪路。

希望大家喜歡今期的內容。藉此機會，我祝願大家2019年和即將來臨的豬年一切順利！

恭喜發財！

Kevin O'Brien
歐嘉榮



在 在創新科技日新月異的時代，電子化和靈活轉變已成為企業推動業務迅速增長的關鍵元素。面對新時代的變化，怡和機器積極邁步向前，致力於東南亞業務營運所在地區建設更高智能的可持續發展社區。



Gearing Up for Changes

另一方面，隨着東南亞地區的經濟活動日益頻繁，大大增加各地對現有及未來的運輸系統之需求，是以及時提供新系統及改善現有基礎建設成為了至關重要的發展條件。怡和機器項目之一亦包括擴充香港國際機場的行李處理設施，以應付第三條跑道開通後，預計因旅客流量增加所帶來的需求。怡和機器亦一直協助機場的暖通空調系統維修及保養，確保旅客全天候得到舒適體驗。



Further afield, at Suvarnabhumi Airport in Bangkok, JEC Thailand (JECT) has been working on a raft of electrical and mechanical packages that will help connect the Main Terminal Building with the new Midfield Satellite Concourse Building that provides an additional 28 Fixed Linked Bridges, creating capacity for up to 15,000,000 additional passengers a year.

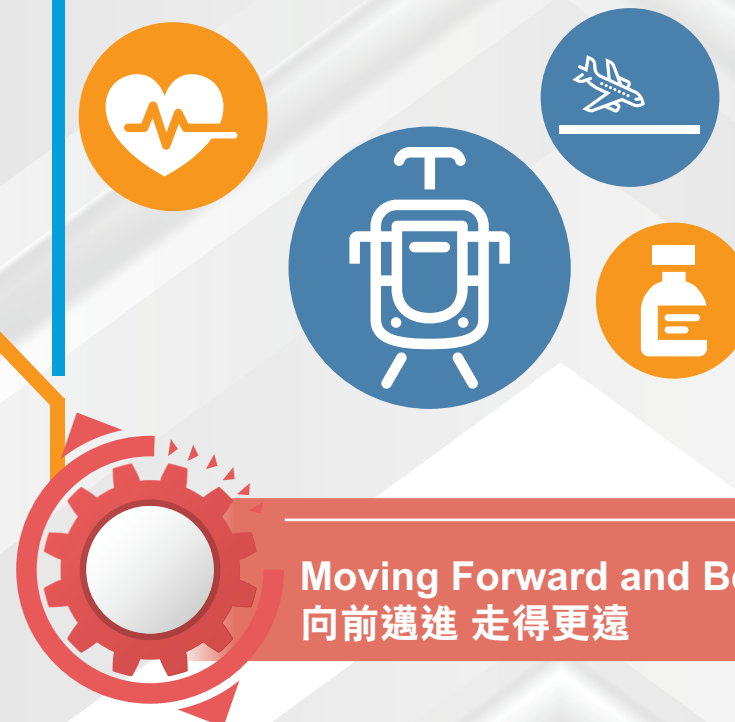
As part of the solution to the ever growing demand for better healthcare facilities in Asia, JEC Singapore has been contracted by the Ministry of Health in Singapore to help in the redevelopment of the National Skin Care Centre, increasing its current clinic capacity by 50% to meet the rising demand for outpatient services. In Thailand, JEC has been awarded the electrical and mechanical services package for TPP Healthcare International new hospital, which will add 550 beds to the private healthcare sector upon the completion with a total floor area of 116,000 sqm.

Putting forth sustainable development also starts with the corporation from within. Internally, JEC has been streamlining and digitising business workflows to bring better efficiency to its operations. Initiatives including digital systems and mobile applications have been in place to manage assets and manpower deployment more effectively, and more importantly, opens the gateway to unleash productivity and enable smarter use of resources. JEC has also been cultivating a change in culture and laying digital foundations, exploring ways towards project automation such as using virtual design technologies, Building Information Modelling (BIM) to aid offsite modular construction and prefabrication; maintaining clients' properties with up-to-date digital asset management and predictive maintenance using sensors and algorithms to alert the needs of the built environment assets.

遠至泰國曼谷的蘇凡納布機場，泰國怡和機器負責供應一系列的電力與機械方案，協助連接主客運大樓與新建的中場衛星客運大樓。新大樓將提供額外28條固定連接橋，每年為機場服務額外15,000,000名旅客。

醫療保健亦是怡和機器另一發展範疇，以切合亞洲對更先進的醫療保健設施之蓬勃需求。其中，新加坡怡和機器與新加坡衛生部簽訂合約，參與全國皮膚中心的重建發展項目，落成後將為目前的診所容量增加50%，以滿足日益增長的門診服務需求。至於泰國方面，泰國怡和機器獲得TPP國際醫療保健中心的一系列電力及機械服務合約，該項目總建築面積達116,000平方米，竣工後可為國內的私營醫療體系增加550張床位。

可持續發展不但是社會的重要發展方向，同時也適用於企業內部層面。怡和機器力求精簡和數碼化業務工作流程，以提高營運效率，例如透過廣泛使用數碼系統和流動應用程式，更有效地管理資產和部署人力資源，而更重要的，是能夠減省因不必要的工序而耗用的資源及時間，真正釋放生產力，更有效地善用資源，投放到可帶來更大效益的地方。與此同時，怡和機器致力推動企業文化的轉變，以及加強電子基礎設施，循多方面探索實現項目流程自動化的方式，例如透過使用虛擬設計技術及建築訊息模型（BIM），輔助在工地範圍外實現組裝合成建築法及預製組件技術、使用先進的樓宇自動化電子管理系統，為客戶提供更全面的物業運作及保養服務，並利用傳感器和運算科技，提醒客戶有關建築環境的需要，從而作預防性維修保養。



Moving Forward and Beyond 向前邁進 走得更遠

To JEC, transformation is an ongoing process that align people, process and digital technology initiatives towards the vision for the future.

At a business level, apart from strengthening its expertise in healthcare, environmental engineering, and transport sectors to help the growth of the digital economy and smart cities, JEC will also be supporting the growth of the infrastructure that underpins the prosperity of the wider community. As Chief Executive Kevin O'Brien notes, 'there can be endless potential as the smarter we become as a business in running assets that we take care of, then the smarter information we can provide to our customers with regard to helping them improve their operating efficiency.'

對怡和機器而言，轉變是一個持續的過程，透過員工、業務流程和電子化科技措施三方面相互配合，朝向共同願景邁進。

在業務層面，怡和機器除了在現有的專業基礎之上，於醫療保健、環境工程及運輸方面加大發展力度促進數碼經濟及智能城市的發展外，同時亦不忘支持社會基礎建設的發展。正如行政總裁歐嘉榮指出：「當企業步向更智能化，將會有助我們提升項目資產管理的質素，並為客戶提供更貼合需要的服務，協助他們提升營運效率，當中可啟發無窮的潛力。」

2019 will be a year to double down on the efforts that JEC has commenced to ensure technology infuses all areas of business - both on the outside and what remains unseen on the inside. By embarking on the innovation roadmap for agile transformation, re-engineering business processes, and automating manual processes for better resources planning, all these will help JEC to grow from strength to strength.

As collaboration between geographical areas and across business units deepens, this in turn creates synergy through idea and resource sharing, and more importantly, enabling the company to reinvent itself better to emerge from historical processes and to build upon the solid foundations towards an advanced 21st century engineering model.

踏入2019年，怡和機器將加緊科技應用的步伐，將其全面滲透到對外業務營運及企業內部日常運作層面。此外，怡和機器亦着手實踐創新思維發展藍圖，務求做到靈活轉變、重新設計業務流程，以及將人手流程自動化，令資源規劃更見理想，增添集團長遠增長動力。

展望未來，隨著區域辦事處及各個業務部門之間的協作不斷深化，可創造更多意念和資源共享的機會，達至協同效應；從而令怡和機器由舊有模式中蛻變出更好的創新方式，在穩固的基礎上，朝向21世紀的工程企業模式邁進。



Integrating into JEC 融入怡和機器

In JEC, it is important that our staff feels they are part of the team which engineers a better Asia. Welcoming new employees to the company becomes an important first step, our Induction Programme has been designed with an aim to help new employees integrate into the work team and the company effectively.

During the 1.5 day programme, new employees will find out more about the company's products and services so that they can appreciate the diversity of JEC's businesses and its geographical coverage; its organisational structure and departments so that the new employees know about the other work teams who work alongside with them.

Safety and health is an integral part of the company's business principles, all employees new or existing, young or experienced, will have to join effort in maintaining the awareness on safety and health. A critical part of the programme is to instil mindfulness about industrial safety and health, so that our colleagues can carry out their daily duties in accordance with the industry as well as company standard.

Another mindset to embrace is the integrity in conducting our business. As a trusted contractor in Asia, it is important that JEC's staff maintain good business ethics and uphold integrity when they perform work for our clients. In Hong Kong, representatives from the Independent Commission Against Corruption (ICAC) are invited to introduce more on the topic.

It is also essential for the new employees to know about how their performance will be assessed, in order for them to pursue their career development within JEC.

A new employee will become a productive and integrated member of the team faster with a better understanding about JEC's business goals, its diversified work teams and its working philosophies. In turn, JEC will be able to deliver world-class engineering solutions and services to clients.

迎新環節是員工加入怡和機器重要的第一步，讓他們對團隊建立歸屬感。怡和機器的入職培訓課程旨在幫助新員工有效地融入工作團隊和公司，讓他們於崗位上有更佳的發揮。

為期一天半的課程，涵蓋公司產品和服務的介紹，使新員工更深入了解集團的多元化業務及其營運範圍，同時也簡介企業架構和各部門職責，讓他們認識各個共事團隊。

安全和健康是公司業務營運所堅守的信念之一，所有新或現有的、年輕或有經驗的員工都必須對此保持高度意識。此課程的關鍵之一是宣揚工業安全和健康的正確概念，確保員工按照業界和公司標準，履行日常職責。

誠信亦是業務營運的另一關鍵，作為亞洲區內值得信賴的分判商，怡和機器的員工在為客戶服務的同時，保持良好的商業道德及維護誠信亦相當重要。香港的入職培訓課程設有由廉政公署代表主講的環節，向員工介紹相關內容。

此外，課程亦向新員工介紹績效評估方式，讓他們掌握必要資訊，規劃事業發展。

新員工通過此課程，可更透徹了解怡和機器的業務目標、各個工作團隊及工作理念，有助他們更快融入團隊，發揮所長，為客戶提供一流的工程解決方案和服務。



JEC Customer Cocktail Reception 2018

怡和機器2018年度客戶酒會

JEC Customer Cocktail Reception was successfully held at the Owners Box of Happy Valley Racecourse, Hong Kong on 25 October. Themed "Transform · Change · Progress", around 220 guests and JEC staff mingled at this annual occasion.

怡和機器周年客戶酒會於10月25日假香港跑馬地馬場馬主廂房圓滿舉行，並以「Transform · Change · Progress」為主題，雲集超過220名賓客及員工共聚，場面熱鬧。



Use Less Waste Less

減廢 少用少浪費



Waste management issues have become pervasive in recent years in Hong Kong construction industry. According to the Monitoring of Solid Waste in Hong Kong - Waste Statistics for 2017 (Statistics Unit, Environmental Protection Department, 1st revision: January 2019), the quantity of overall construction waste disposed at landfills was 4,207 tonnes per day, with a total of 1.54 million tonnes over the year.

To address the issue, industry practitioners seek various ways such as establishing waste management plan, cascading the message to frontline workers and constant reviewing the effectiveness of the measures.

近年，廢物管理問題備受香港建造業界關注。根據2019年1月環保署統計組《2017年香港固體廢物監察報告》的數字，全港堆填區整體建築廢物棄置量為平均每日4,207公噸，全年達154萬公噸。

為此，業界積極以各種方法應對問題，包括制定廢物管理計劃、向前線人員宣揚訊息，以及定時檢討措施成效等。

Most of construction waste is generated due to lack of waste reduction considerations during planning and design stage to minimise waste generation. The following areas are the proper ways to manage and reduce construction waste.

大部分建築廢料都是由於業界在規劃及設計階段時，欠缺周詳的減廢考慮所引致。以下是一些有助管理和減少建築廢物的方法：

Clients, architects and contractors should work together to minimise construction waste and to use more recycled materials, delivering sustainable projects. For materials, products or equipment, contractors should avoid ordering too early or over-ordering. To avoid accumulation of excessive materials, the right amount should be ordered at a suitable time with proper control and documentation on material flow. Besides, the spares should be returned to stock with suitable protective measures for later use. The improper operation procedures are often causes of high material wastage.

As a responsible corporate citizen, JEC is committed to the effective stewardship of the environment and promoting its protection. JEC proactively adopts best practices in waste minimisation and management in its projects. This is also achieved with the help of technology such as Building Information Modelling (BIM) which connects multidisciplinary design teams to track and coordinate the exchange of deliverables, in turn allows better use of materials that enhances energy efficiency, waste and resources management, contributing to the construction of a sustainable community.

此外，客戶、建築師和分判商應通力合作，減少產生建築廢物，並盡量使用循環再用物料，提升項目的可持續發展度。分判商也應避免過早或過度訂購材料、產品或設備。為免積累過多材料，分判商應在合適時間，訂購適當數量，並控制和紀錄材料的運送；剩餘的則應退回庫存，並採取適當的保護措施，供日後使用，避免因不當的操作程序而造成高損耗。

除以上所述外，怡和機器亦致力於發揮負責任的企業公民角色，於執行項目時實踐減少和管理廢物的最佳做法，有效管理和保護環境。此外，透過建築訊息模型（BIM）等技術平台，連接多個專責不同範疇的項目設計團隊，追蹤和協調可交付成果的訊息，從而更完善能源效益、廢物和資源管理，建設可持續發展社區。



- Planning for waste reduction
- Using low waste construction designs and technologies
- Effective waste management strategies
- Education and training
- Housekeeping

- 減廢規劃
- 採用低廢物量的建築設計及技術
- 有效的廢物管控策略
- 教育及培訓
- 庫存管理



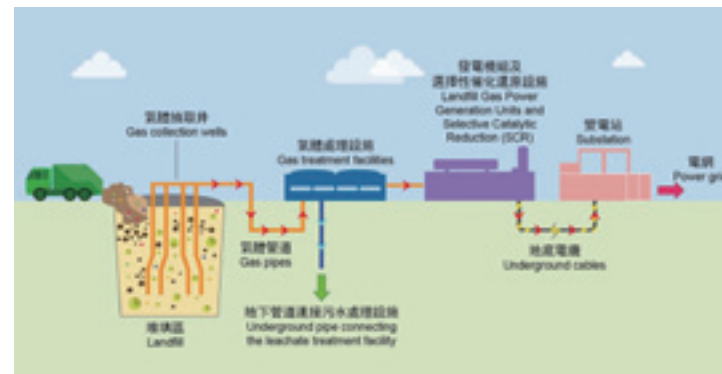
JEC Puts Waste-to-Energy into Action at Hong Kong's Largest Landfill Gas Power Generation Project

怡和機器實踐轉廢為能 參與香港最大堆填區沼氣發電項目

To support the Government's carbon reduction policies to combat climate change and transform Hong Kong into a smarter and greener city, JEC was recently awarded a contract from CLP Power Hong Kong Limited for Hong Kong's largest landfill gas (LFG) power generation project in the West New Territories Landfill (WENT Landfill). JEC will build and operate a facility to convert waste LFG to electrical energy. It will generate 10MW of electricity at full capacity. JEC will also set up supervisory control and data acquisition system for remote operation control of the facility from CLP Black Point power station located at 3km away.

Located at Nim Wan in Tuen Mun, WENT Landfill is Hong Kong's largest landfill where some of the LFG is currently used to generate electricity for onsite facilities and waste water treatment. After the generator site is established, un-utilised LFG can be put to good use for powering over 17,000 four-person households per year. The project will be completed in December this year.

怡和機器最近獲得由中華電力有限公司發展、位於新界西堆填區之全港最大的垃圾堆填區沼氣發電項目，以支持政府的碳減排政策，應對氣候變化，讓香港成為更智能化的綠色城市。怡和機器將負責興建及營運沼氣發電機組，提供達10兆瓦總輸出，並設立數據採集和監控系統，用於距離發電機組三公里以外的龍鼓灘發電廠，以遙距控制機組的運作。



新界西堆填區位於屯門稔灣，是香港最大型的垃圾堆填區。目前，部分由堆填區產生的沼氣已用於供電予現場設施及污水處理設施；當發電機組投入運作後，剩餘的沼氣便可獲更充分利用，為超過17,000個四人家庭提供一年電力所需。項目將於本年12月完成。



West New Territories Landfill
新界西堆填區

Proposed generator site
擬建發電機組位置



HA Butterfly Beach Laundry System Redevelopment Project

醫管局蝴蝶灣洗衣場系統提升工程

JEC has secured a contract from Hospital Authority (HA) to supply and install three sets of continuous batch washing systems for Butterfly Beach Laundry in Tuen Mun, Hong Kong.



Each set of washing system includes continuous batch washer, membrane press, shuttle conveyor and five units of batch dryers with unloading conveying system, offering washing capacity of over 64 tons per day. The system drastically reduces water consumption as water after rinsing and extraction will be reused for pre-wash. Moreover, its batch dryer is equipped with linen temperature sensing system which can optimise drying time in drying process and save energy.

The project has commenced in June 2018 and will be completed by end 2019.

怡和機器獲得醫院管理局的合約，為香港屯門蝴蝶灣洗衣場供應及安裝三組隧道式洗衣系統。

每組洗衣系統由隧道式洗衣機、壓熨機、輸送設備和五部配備卸貨輸送系統的乾衣機構成，每天可處理超過64噸衣物。由於沖洗用水及脫水後所排出的水可循環再用於預洗工序，此系統能大幅降低耗水量。此外，其乾衣機亦附設了衣物溫度感應系統，能更有效控制乾衣時間以節省能源。

工程已於2018年6月份展開，預計於2019年年底完成。



Advance Works for Baggage Handling System Primary Sorter Replacement at HKIA

香港國際機場行李處理系統主分揀器前期更換工程合約

JEC has secured a contract from the Airport Authority Hong Kong for the advance works of baggage handling system primary sorter replacement project at the Hong Kong International Airport (HKIA). JEC will design, manufacture, supply, deliver, install, and test and commission for the new conveyors, electrical and mechanical works, systems works and structural steel works for baggage diversion at Terminal 1 Baggage Handling Area (including North and South sides), as well as modification works for the existing baggage handling system equipment and firmware. JEC will also provide necessary training to relevant staff and contractors of HKIA on operational and maintenance aspects of these works.

The project will be completed by end 2020.

怡和機器與香港機場管理局簽訂合約，為香港國際機場進行行李處理系統主分揀器的前期更換工程。怡和機器會為新輸送機進行設計、製造、供應、交付、安裝和調試一號客運大樓行李處理區（包括北翼和南翼）行李分流的機電、運作系統及鋼結構工程，以及現有行李處理系統設備和固件的修改工程。怡和機器亦會為機場相關職員及分判商提供操作及維修方面的培訓。

此項工程預計於2020年年底完成。





Chiller Replacement at Jardine House 怡和大廈製冷機組更換工程

JECT won the contract from Hongkong Land for chiller replacement at Jardine House in Central, Hong Kong. The team will replace all existing chillers and modify associated pumps, pipework, power provision, as well as building management system to match the new chiller plant operation.

The project will end in October 2020.

怡和機器獲得置地公司的合約，為香港中環怡和大廈更換製冷機組。團隊將更換全部現有的製冷機組，並因應新機房的運作調整相關的水泵、管道系統、供電裝置及樓宇管理系統。

項目將於2020年10月份完成。



JECT Secures Maxim Integrated Expansion Project 泰國怡和機器獲美信擴建項目

JECT Thailand (JECT) was awarded with the contract for supply, installation, testing and commissioning for electrical and communications system, air conditioning and ventilation system, as well as sanitary and fire protection system for Maxim Integrated, an analog and mixed signal integrated circuits developer. The project is the extension of their new production plant in Chonburi Province, and is expected to be completed in June 2019.

泰國怡和機器取得集成電路設計與製造企業美信的合約，負責供應、安裝、測試及調試其電力及通訊系統、冷氣及通風系統，以及衛生和消防系統。此項目是美信位於泰國春武里府新設廠房的擴建工程，預計於2019年6月竣工。



JECT Provides Air-conditioning System for Bang Pakong Combined Cycle Plant 泰國怡和機器為挽巴功燃氣聯合循環發電廠安裝空調系統

JECT was awarded the contract for supply, installation, testing and commissioning of the air-conditioning and ventilation system for Bang Pakong Combined Cycle Plant in Chachoengsao Province.

The company will supply and install 330-ton air-conditioners, roof ventilation fans, dampers and air louvers, and wall ventilation fans to ten industrial buildings of the plant with a total area of 1,680,000 sqm.

The project will be completed in January 2020.



泰國怡和機器獲得合約，為北柳府挽巴功縣的燃氣聯合循環發電廠供應、安裝、測試和調試空調系統。公司將為廠房內十棟佔地1,680,000平方米的大樓供應及安裝330噸空調機、天台風扇、風閘及出風口扇葉，以及掛牆風扇。

項目將於2020年1月完成。



JECT Engages in TPP Healthcare International Project 泰國怡和機器參與TPP國際醫療保健中心項目

JECT was awarded the contract for supply, installation, testing and commissioning of sanitary and fire protection system, electrical and communication system, as well as air conditioning and ventilation system for TPP Healthcare International Project. The chiller plant will also be equipped with energy saving features of approximately 0.62 kW per ton.

The project is located at Khlong Toei, Bangkok with a total area of 116,000 sqm. The healthcare centre consists of 23 floors, two basements with 550 beds for patients, and is designed to meet the Gold Level requirement of Leadership in Energy and Environmental Design (LEED).

The project is expected to be completed in February 2020.



泰國怡和機器早前獲得TPP國際醫療保健中心項目合約，負責供應、安裝、測試及調試衛生及消防系統、電氣和通訊系統，以及空調與抽風系統。此外，冷水機組將可減省每噸約0.62千瓦能源。

該醫療保健中心位於曼谷空堤區，總面積達116,000平方米，樓高23層，連兩層地庫，落成後將提供550張床位，並以達至能源與環境先導設計（LEED）的金級標準為目標。

項目預計於2020年2月竣工。



Singapore National Skin Centre Project 新加坡全國皮膚中心項目

JEC Singapore secured the contract for supply and installation of ACMV and Building Management Systems for the existing National Skin Centre and its new building.

The ACMV works include design and build of central water-cooled chiller plant with necessary air handling equipment and water treatment system, as well as all mechanical ventilation systems for carparks, toilets, kitchens, public area, dirty utility room and isolation rooms.

The project will be completed in January 2022 and aims at achieving Green Mark Platinum certification for Healthcare Facilities (version 1.0) from the Building and Construction Authority of Singapore.

新加坡怡和機器獲得合約，為現有的全國皮膚中心及其新大樓供應與安裝空調及機械通風和樓宇管理系統。

空調及機械通風工程範圍包括設計及建造水冷式中央製冷機房，連同附帶的空氣處理機組和水處理系統，以及停車場、洗手間、廚房、公共空間、排污設施與隔離病房的機械通風系統。

項目將於2022年1月完成，並以獲得新加坡建設局醫療機構綠色建築標誌鉅金認證 (1.0版) 為目標。



JDI Launches New Herbicide Ricebac JDI 推出全新稻田除草劑Ricebac

After several years of product development work by JDI and its partner United Phosphorous Limited, Ricebac, a new and highly effective herbicide for rice was launched to Filipino farmers earlier.

"Ricebac is more environmentally friendly and more effective in exterminating unwanted weeds. With less weed competing, rice plants will be able to gain the most nutrients from soil and hence higher yield of rice grains." explained Robert Littaua, Assistant Vice President for Agro Products.

Ricebac is launched nationwide to reach out to more JDI's partner farmers in the Philippines.



經過多年與合作夥伴United Phosphorous Limited的努力研發，JDI早前推出全新的高效稻田除草劑Ricebac。

農產品部助理副總裁Robert Littaua表示：「Ricebac能更環保及有效地根除雜草。當雜草得到抑制，稻穗便能從土壤吸取更多營養，結出更多穀粒。」

JDI 已於全國各地進行推廣工作，讓更多農民認識Ricebac。

JEC Sprints in CENTRAL Rat Race 2018 怡和機器出戰2018鼠戰中環

JEC participated in CENTRAL Rat Race 2018, an annual fundraising event for MINDSET on 26 August. Eight of JEC staff members joined the team relay whereas Chief Executive Kevin O'Brien took part in the Big Rat Race. The charitable event raised a total of HK\$3.15 million for MINDSET.

怡和機器於8月26日參加2018鼠戰中環，為思健的年度慈善活動籌款。怡和機器派出八位同事組隊參加鼠戰團體接力賽，而行政總裁歐嘉榮則出戰鼠王爭霸戰。此盛事為思健籌得共315萬港元善款。



JEC Thailand CSR Activity Jardine Jit Arsa 2018 泰國怡和機器企業社會責任活動Jardine Jit Arsa 2018

JEC Thailand continued its effort in carrying out its 6th corporate social responsibility (CSR) activity Jardine Jit Arsa. On 18 August 2018, over 50 volunteers installed reverse osmosis system to provide clean drinking water at the Watploykrachangsri School in Nakhon Nayok Province of Thailand. The group also planted trees together with teachers and students.

Launched in 2012, the Jardine Jit Arsa project is one of the CSR activities aiming to contribute to the communities and to build a healthy environment for the next generations.



泰國怡和機器繼續全力策動第六個年度的企業社會責任活動Jardine Jit Arsa。2018年8月18日，超過50位義工齊集位於坤西育府的Watploykrachangsri 學校安裝逆滲透濾水系統，為師生們提供潔淨的飲用水，並與師生們一同植樹。

Jardine Jit Arsa是一項自2012年開始舉辦的活動，旨在透過社區建設，為下一代建立健康的生活環境。



JEC Spreads Love to Community in Fall

怡和機器秋季獻關愛

Partnered with the Hong Kong Children and Youth Services, the JEC Caring Team arranged a training camp at the Anchor House of The Boys' Brigade in Noah's Ark on 29 September 2018 for 15 children. Together they spent a meaningful day completing special designed tasks and group activities for personal development.

2018年9月29日，怡和機器愛心大使於香港基督少年軍挪亞方舟臻訓中心，為15名來自香港青少年服務處的小朋友安排了一個訓練日營。義工們與小朋友一同完成各項引領個人成長的任務和集體活動，度過了有意義的一天。



Major Contracts Listing 工程合約

Project (Location)	Scope of Work
45-47 Pottinger Street, 1-5 Tun Wo Lane & 4-7 Ezra's Lane, Central Castle Peak Power Station	Supply of ironmongery Air-conditioning system enhancement Chilled water system enhancement Maintenance services for HVAC chiller plant
Cathay Pacific Catering Services Ltd	Supply of ironmongery
Central Police Station	Supply and installation of metal door, glass door, ironmongery and raised flooring
Central-Wanchai Bypass Tunnel Building	Design, supply and installation of building maintenance unit and pneumatic tube
Centre of Excellence in Paediatrics	Supply and installation of automatic door system and raised floor systems Supply and installation of ELV systems and fire services system Supply of central battery system
Chater House	Toilet renovation electrical works nominated sub-contract
China Resources Headquarters	Supply and installation of diesel genset system
CLP Power Hong Kong Ltd	Security systems maintenance services and project works at various CLP locations
CLP WENT Landfill Gas Generating Plant	Supply and installation of genset system
Commercial Development at 704-730 King's Road, Quarry Bay	Supply of pumps and valves
Commercial Development at 8-10 Wong Chuk Hang Road, Wong Chuk Hang	Supply of pumps and valves
Equinix HK4-II	Supply and installation of genset system
Exchange Square	Upgrading works on electrical installation of power supply FSID work and associated MVAC work Installation of segregation of HV supply for HV chillers Lift lobbies and FS renovation (One and Two Exchange Square) Public area renovation at Central, Hong Kong Circulation, 3/F lobbies and Rotunda, and 4/F restaurant balcony (One and Two Exchange Square) Re-stacking and associated renovation electrical works nominated sub-contract (Hongkong Land Head Office) Supply and installation of smoke curtain Supply of aluminium ceiling (45/F, One and Two Exchange Square)
Fanling Police Tactical Unit	Improvement works on air-conditioning systems
FEHD Sai Yee Street Environmental Hygiene Offices-cum-Vehicle Depot	Building maintenance unit for depot reprovisioning
Fortune Pharmaceutical New Factory Development	Supply and installation of pneumatic tube system Supply of central battery system and valves
Gateway Phase 4	Supply and installation of timber door
Grade A Office Development at 348 Kwun Tong Road, Kwun Tong	Supply and installation of raised floor
HACTL	FS maintenance on dry fire System maintenance services on CCTV and Perimeter Fences Systems
Hang Seng Bank Head Office Building	Supply and installation of stairlift
Haven of Hope Hospital	Installation of mechanical handling and lifting system Supply and installation of diesel genset system Supply and installation of patient hoist

Heung Yip Road Hotel	Supply and installation of linen chute
HKEx Data Centre	Maintenance of MEP installations
Home Ownership Scheme Development at Sha Tsui Road, Ex-Tai Wo Hau Factory Estate, and Ching Hong Road, Tsing Yi	Supply and installation of PV system, smart metering system and information display system
Hong Kong Airlines Aviation Centre	Supply and installation of lifting appliance
Hong Kong International Airport	Advanced works for baggage handling system primary sorter replacement Design, supply and replacement of programmable logic controllers and associated input/output modules for baggage handling system (Phase 2) Design, supply, installation, testing and commissioning of baggage handling system for arrival bags delivery and early bags storage (Terminal 1) Maintenance services for automatic sortation and conveyor systems of baggage handling system Maintenance, improvement and refurbishment works for baggage trolley mechanical recirculation systems Maintenance, improvement and refurbishment works for E&M systems at Midfield Concourse and North Satellite Concourse Replacement of door mechanism for automatic sliding doors (Terminal 1) Replacement of emergency stop pushbuttons in baggage handling system (Terminal 1) Skybridge connecting Terminal 1 with North Satellite Concourse - monorail gondola system Supply and installation of diesel genset system Supply of Flamebar fire resistant ductwork Supply of static VAR generator for sortation systems of baggage handling system
Hong Kong Museum of Art	Supply of timber door
Hong Kong Ocean Park	Gas absorption chiller and gas condensing boiler (Tai Shue Wan Water World Project) Water filtration system (Tai Shue Wan Water World Project)
Hong Kong Ocean Park Marriott Hotel	Aquarium associated works, supply and installation of swimming pool filtration system
Hong Kong-Zhuhai-Macao - Hong Kong Boundary Crossing Facilities Vehicle Clearance Plazas and Ancillary Building and Facilities	Supply of ironmongery
Hong Kong-Zhuhai-Macao Bridge	Supply and installation of aluminum baffle ceiling Supply and installation of dock leveler and weighbridge Supply and installation of lifting appliances at road section between Scenic Hill and Hong Kong Boundary Crossing Facilities Supply and installation of raised floor and carpets Supply and installation of smoke curtain Supply of central battery system Supply of ironmongery for PCB façade package
Hotel Development at 103-105 Tung Chau Street, Tai Kok Tsui	Supply of ironmongery
Jubilee Garden	Supply and installation of LED lightings
Kai Tak Nullah Reconstruction and Upgrading	Supply and installation of stoplogs
Kerry Hotel	Supply and installation of Exterpark outdoor decking
KLB Centre, Kowloon Bay	Supply and installation of diesel genset system
Kwai Chung Hospital (Phase 1)	Car parking system Supply and installation of timber door
Lai Chi Kok Park Swimming Pool	Replacement of boilers and associated pipework system
Lamma Power Station	Installation of mechanical ventilation and air-conditioning for extension civil and building work for Unit L10 Supply and installation of Intelligent Station Management System for Units 10&11
Landmark	FSID work and associated MVAC work MVAC and electrical work for toilet renovation
Liantang / Heung Yuen Wai Boundary Control Point Building	Design, supply and installation of building maintenance unit for building and associated facilities Design, supply and installation of sewage treatment plant Supply and installation of diesel genset system Supply of central battery system and ironmongery
Mannings & Wellcome Supermarket	MVAC repair and maintenance services for various stores at HK, Kowloon and NT
MTR Corporation	Building management system installation and modification for East Rail Line station control room in Tai Wo, Fanling and Sheung Shui stations Building services for Admiralty South Overrun Tunnel Design, supply and installation of electrical works, fire services, pumps and drains, swimming pool filtration system and supply of ironmongery for the reprovision of Harbour Road Sports Centre and Wan Chai Swimming Pool Design, supply and installation of swimming pool water treatment plant at Police Officers Club Floodgate system for Shatin-Central Link (Phase 2) Mobile lifting jack in Pat Heung Depot Modification works of train wash plant at Ho Tung Lau Depot Refurbishment of rail track lifting hoist control system in Ho Tung Lau Depot Replacement of air-cooled chillers at various stations Supply and installation of access cover for South Island Line (East) Supply and installation of CCTV for Hung Shui Kiu bus depot Supply and installation of CCTV for Nam Cheong station Supply and installation of LED lighting at Sorrento and Harbourside, Kowloon Station Supply and installation of lifting appliance for Ho Tung Lau Depot Supply and installation of outdoor timber at 810A West Kowloon Terminus Station North Supply and installation of smoke curtain for Siu Hong and Long Ping stations Supply and installation of steel doors and frames for Shatin-Central Link Supply and installation of wheelset balancing machine at Pat Heung Depot Supply of cooling tower water pumps and valves for Hung Hom station Supply of fire pumps for Shatin-Central Link Supply of metal door and ironmongery at Tin Shui Wai station Supply of pumps and valves Upgrading works on electrical and wiring for Octopus barrier system at Elements carpark
Mui Wo Sewage Treatment Works	Supply and installation of the lifting appliances
Murray Building Hotel Development	Supply and installation of filtration system for indoor swimming pool
New Shun Hing Centre	Supply and installation of building maintenance unit
New Territories West Regional Office & Water Resources Education Centre, Water Supplies Department	Supply and installation of timber door
New World Centre	Supply and installation of IPC wall protection Supply and installation of outdoor timber decking at podium and tower Supply and installation of smoke curtain Supply and installation of vertical platform Supply of valves, fire pumps, Flamebar fire resistant ductwork
Ngau Tam Mei Animal Waste Composting Plant	Improvement, operation and maintenance of animal waste composting plant and collection services
NTT Data Center Exp006	Supply and installation of genset system
NTT Data Center Exp007	Supply and installation of genset system
Office Development at 1 Hennessy Road, Wanchai	Supply and installation of genset system Supply and installation of vehicle turntable Supply of valves, pumps and cooling towers Replacement of high tension chillers
Pacific Place	Upgrading works on electrical installation of power supply
Prince's Building and Alexandra House	Supply and installation of genset system
Proposed Commercial Development at Hoi Tan Street, Sham Shui Po	

Major Contracts Listing 工程合約

Proposed Office Building at Hoi Bun Road, Kwun Tong	Supply and installation of diesel genset system
Public Housing Development at North West Kowloon Reclamation Site 6 and Fat Tseung Street West, Cheung Sha Wan	Supply and installation of MVAC system
Public Rental Housing Development at Choi Yuen Road, Sheung Shui	Supply and installation of diesel genset system
Public Rental Housing Development at Fo Tan (Phase 1 & 2)	Supply and installation of diesel genset system
Regus Serviced Office Space	Supply and installation of carpet tiles
Residential Development at Deep Water Bay Drive	Supply and installation of swimming pool filtration system
Residential Development at Nam Cheong West Rail Station	Supply and installation of swimming pool filtration system
Residential Development at Oil Street, North Point	Supply and installation of timber decking system
Residential Development at Tai Po Road, Shatin Town	Supply and installation of steel door
Residential Development at Tsuen Wan 5 Bayside	Supply and installation of aluminum ceiling at bathroom & kitchen
Sai Kung Hotel	Supply and installation of linen chute, vertical lifting platform and vehicle turntable
Shatin and Sai Kung Sewage Treatment Works and Pumping Station	Overhaul and testing of E&M equipment
Shek Wu Hui Sewage Treatment Works	Supply of diffuser aeration system and valves
	Supply of E&M facilities for further expansion Phase 1A advance works and Ng Chow South Road Sewage Pumping Station
Sheung Shui Water Treatment Works	Improvement of dewatering plant
South China Athletic Association	Supply and installation of filtration system for training pool
Sports Centre in Area 4 at Chung Mei Road, Tsing Yi	Supply and installation of timber door
Subsidized Sale Flats Project at Shatin Area 36C	Electrical, ELV and MVAC installation nominated sub-contract
Tai Po Sewage Treatment Works	Modification works for food waste & sewage sludge anaerobic co-digestion pilot trial
Tai Po Sports Centre	Supply and installation of building maintenance unit
	Supply and installation of swimming pool water treatment plant
Tai Po Water Treatment Works	Supply of granular activated carbon
Taikoo Place 2A Redevelopment	Supply and installation of timber door and steel door
	Supply of Flamebar fire resistant ductwork, cooling towers, centrifugal separators, pumps and valves
Telford Plaza I	Retrofit of chillers in plant room A
The American Club - Country Club	Chiller replacement works
The Chinese University of Hong Kong	Supply and installation of building maintenance unit and pneumatic tube system at medical centre
The University of Hong Kong	Electrical installation of Fung Ping Shan Building
The West Kowloon Cultural District	Supply and installation of scissors platform (M+ Museum)
	Supply and installation of smoke curtain system and diesel genset system (M+ Museum)
	Supply and installation of steel door and automatic system (Park)
	Supply and installation of timber doors, steel doors and raised floor system (Xiqu Centre)
	Supply of ironmongery (Freespace)
	Supply of ironmongery (Park)
	Supply of ironmongery, pumps and valves and automatic door system (M+ Museum)
Tin Fu Court	Supply and installation of LED lighting
Tin Shui (II), Tin Yan and Tin Yuet Estates	Supply of stainless pump
To Kwa Wan Preliminary Treatment Works	Supply of E&M equipment for detritor no 1 and 2
Tseung Kwan O Heritage Hiking Trail and the Heritage Information Centre	Supply and installation of stairlift
Tsuen Wan 5 Bayside, Tsuen Wan West Rail Station	Supply and installation of outdoor timber decking
Tuen Mun Children and Juvenile Home	Maintenance of E&M installations
United Centre	Replacement of high voltage transformer
Water Supplies Department Regional Office	Design, supply and installation of grey water and rainwater recycling plant
West Kowloon Government Offices	Design, supply and installation of building maintenance unit
	Supply and installation of diesel genset system
	Supply and installation of raised floor, carpet, timber door, steel door and automatic door system
	Supply of central battery system

Macau

Project (Location)	Scope of Work
Galaxy Hotel (Phase 3)	Supply of valves
Galaxy Macau Resort & Casino	Supply and installation of swimming pool filtration system
Louis XIII Hotel	Supply and installation of genset systems and supply of valves
Macau Light Rail Transit	Design and supply of painting booth
	Supply and installation of lifting appliance
MGM Cotai	Design, supply and installation of building maintenance unit and turntable
SJM Hotel at Cotai	Supply of valves
St. Regis, Venetian Macau, Parcel 5B	Supply of ironmongery
Theme Park Resort Hotel Complex	Supply of valves
Venetian Cotai (Phase 3)	Supply and installation of diesel genset system
	Supply of ironmongery and sanitaryware

Thailand

Project (Location)	Scope of Work
Bangkok Combined Cycle	Design, supply, installation, testing and commissioning of air conditioning & ventilation system
Bumrungrad International Hospital	Expertise consultancy services for replacement of MEP system and services at Bumrungrad International Hospital Building (Building B)
Carpark Building of The Mall Bangkae	Supply, installation, testing and commissioning of air-conditioning & ventilation system, electrical & communication system, and sanitary & fire protection system
Chatrium Hotel Pathumwan	Supply, installation, testing and commissioning of electrical & communication system and fire protection system
Chatrium Residence Sathon	Supply, installation, testing and commissioning of air-conditioning system
DKSH Thailand	Preventive maintenance of air-conditioning system
Forestias Bangna	Supply, installation, testing and commissioning of air conditioning & ventilation system, sanitary & fire protection system, and electrical & communication system
Guysorn Village	Preventive maintenance of air-conditioning system
ICONSIAM	Supply and installation of BAS system
King Power at Suvarnabhumi Airport	Preventive maintenance of air-conditioning & ventilation system and sanitary system
Le Cordon Bleu Dusit Culinary School	Supply, installation, testing and commissioning of air-conditioning & ventilation system, electrical & communication system and sanitary & fire protection system
Mahasawin Hotel	Supply, installation, testing and commissioning of air-conditioning system and sanitary & fire protection system
Mass Rapid Transit Authority of Thailand	Supply, installation, testing and commissioning of air-conditioning & ventilation system
(MRTA Blue Line: Wat Mangkon station and Sam Yod station)	
Maxim Integrated Expansion Project	Supply, installation, testing and commissioning of electrical & communication system, ventilation system and sanitary & fire protection system
Muang Thai Life	Supply, installation, testing and commissioning of electrical & communication system, sanitary & fire protection system, air conditioning & ventilation system and CCTV system
Samyan Mitrtown	Supply, installation, testing and commissioning of piping work of air-conditioning system
Siam Takashimaya Department Store	Supply, installation, testing and commissioning of mechanical, electrical & plumbing system works
Suvarnabhumi Airport Expansion Project	Supply, installation, testing and commissioning of sanitary & fire protection system, tunnel ventilation system
The Esse Sukhumvit 36	Supply, installation, testing and commissioning of electrical & communication system, sanitary & fire protection system and air conditioning & ventilation system
TPP Healthcare International (TPP)	Supply, installation, testing and commissioning of electrical & communication system, sanitary & fire protection system and air conditioning & ventilation system

Venice of The East Works at Iconsiam Retail Building	Supply, installation, testing and commissioning of electrical & communication system, sanitary & fire protection system, and air conditioning & ventilation system
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Singapore

Project (Location)	Scope of Work
7-11 Stores	Maintenance of refrigerated cases
77R Investments Pte Ltd at 77 Robinson Road	Air-conditioning preventive maintenance
AlA Singapore Pte Ltd	Air-conditioning preventive maintenance
Asia Square Tower 1 & 2 at 8 Marina View	Air-conditioning preventive maintenance
	Mechanical and electrical operation services
Assisi Hospice	Mechanical and electrical facility management
Avnet Asia Pacific Pte Ltd	Air-conditioning preventive maintenance
Bidadari (SPH, CC & NPC) (Mixed Development)	Design, supply and installation of air conditioning & mechanical ventilation and building management system
CBRE c/o State Street Bank	Supply of E&M service (preventive maintenance / inspections)
Central Boulevard Development Pte Ltd	Supply of comprehensive maintenance contract for MBFC T3 irrigation system for 2018
Changi Cove Pte Ltd at Cranwell Rd	Comprehensive CU & FCU spare parts coverage contract
CityDev Real Estate at Palais Renaissance	Air-conditioning preventive maintenance
Cycle & Carriage	Supply and installation of ACMV
Cycle & Carriage (188 Pandan Loop)	Monthly service for the air-conditioning equipment
Cycle & Carriage (209 Pandan Garden)	Monthly service for the air-conditioning equipment
Cycle & Carriage (239 Alexandra)	Monthly service for the air-conditioning equipment
Cycle & Carriage (301 Alexandra)	Monthly service for the air-conditioning equipment
DBS China Square Ltd (PWC Building)	Maintenance of ACMV system and provision of technicians
DCP (Sentosa) Pte Ltd	Air-conditioning preventive maintenance
Digo Corporation Pte Ltd	Air-conditioning preventive maintenance
Far East Organisation at Orchard Central Pte Ltd	Air-conditioning preventive maintenance
Four Seasons Hotel Singapore	Preventive maintenance services
Heraues Material Singapore Pte Ltd	Supply of E&M system maintenance
HKL Breadtalk	Monthly maintenance for fan coil unit at #B1-42
HKL Coffee & Toast	Monthly maintenance for fan coil unit at #B1-40
HPL Properties Pte Ltd trading as Four Seasons Hotel Singapore, 190 Orchard Boulevard	Preventive maintenance services
HSBC Institutional Trust Services (Singapore) Limited as Trustee of MSO Trust at CapitaGreen	
Jardine Lloyd Thompson Pte Ltd	Non-comprehensive E&M service
JLL - OUE Bayfront	Maintenance of ACMV system and provision of technicians
Keppel Land International Ltd c/o Property Management	Facilities management service for FM-Keppel Towers 1 & 2
Keppel Towers/Tower 2	E&M facility management
Mandai Crematorium & Columbarium	ACMV maintenance contract
Mandai Development	Mechanical, electrical and plumbing services for the Animal Waste Treatment plant for Mandai Bird Park.
MBFC Tower 1 & 2 - BFC	E&M operation and service
MBFC Tower 1 & 2 and Link Mall	ACMV preventive maintenance and plumbing and sanitary maintenance
MBFC Tower 3 - CBD	Mechanical and electrical operation and service
National Skin Centre (NSC)	Supply of ACMV and BMS
One Raffles Link	E&M facility management
One Raffles Quay Pte Ltd	Non-comprehensive maintenance
Orchard Boulevard Development	Design, supply and installation of ACMV and BMS
ORQ	E&M operation and service
Overseas Family School	Variable refrigerant flow (VRF) preventive maintenance
Royal Plaza On Scotts at 25 Scotts Road	Air-conditioning comprehensive maintenance
Royal Plaza On Scotts at 8 Claymore Hill	Air-conditioning comprehensive maintenance
Servcorp Sg Holdings Pte Ltd	Non-comprehensive service and maintenance of pantry sump & WLD system
Singapore Technologies Electronics Limited (AMK)	ACMV maintenance
ST Electronics Ltd	Comprehensive maintenance works for air-conditioning chiller plant and converted air distribution systems
ST Marine Pte Ltd	Air-conditioning preventive maintenance
ST Microelectronic Pte Ltd (AMK & TPY Sites)	Ball tech auto tube system maintenance
STATSChip Pte Ltd	Trane chiller preventive maintenance
Suntec City	Electrical system maintenance services
The Food, Drinks and Allied Workers Union	Supply of MA services
THE MCST Plan No. 2278	Managing agent
The Sandwich Shop	Monthly maintenance for fan coil unit at #01-02
Trading Technologies Pte Ltd	Preventive maintenance for FCU's fire extinguishers
United Overseas Bank at Tampines Tower	Facilities management services
United Overseas Bank Ltd, Plaza 2	Preventive maintenance services
UOL Group Ltd, Odeon Tower	Preventive maintenance services
Victorian Property Holding Pte Ltd (Elishan) at Manulife Centre	Air-conditioning preventive maintenance
Wilmar	Supply and installation of ACMV
Yongjin Holdings Pte Ltd	Air-conditioning preventive maintenance

The Philippines

Project (Location)	Scope of Work
City of Dreams	Electrical works for ELV rooms, comprehensive preventive maintenance and monitoring services
Family Mart	Facilities management
Foramall	Operation and maintenance
Google	Supply and installation of CITEC PACU
Integrated Facilities Management for JLL - IBM and JLL - Schneider Electric	Operation and maintenance
Marikina North Sewer Network and Pump Station	Design, installation, testing and commissioning of sewage pumping station
Monde	Operation and maintenance
On-Semi	Operation and maintenance
Property and Asset Management for various facilities managed by Jones Lang LaSalle	Operation and maintenance
Property Management for Ayala Properties Management Corporation	Operation and maintenance
Putatan Water Treatment Plant 2	Design, installation, testing and commissioning of water treatment plant
Ramada	Operation and maintenance
Rustans Super Center Inc.	Facilities management
Sewage Treatment Plant in Libingan ng mga Bayani	Design and construction of sewage treatment plant facilities
Shell Philippines	Rehabilitation of living quarter HVAC units
Sonion Manufacturing Plant	Supply and installation of HVAC units and MEPF
Taguig North Sub-Catchment Sewerage Project - Makati South Sewer Line and Pumping Station	Supply, installation, testing and commissioning of sewage pumping station and lift stations
United Laboratories	Operation and maintenance
Widus Tower 3	Supply and installation of MVAC system

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