

#### 旭彩實業有限公司 York Choi Industrial Limited





Tel: (852) 2795-8286 / Fax: (852) 2795-9030 / www.yorkchoi.com / info@yorkchoi.com







## One of the largest pump suppliers in Hong Kong

Superpower Pumping Engineering Co., Ltd. has engaged in manufacturing, agency, sales, installing, repairing and maintenance of various kinds of water pumps and plumbing equipment since 1977. Superpower is proud to become Hong Kong's one of the leading companies of water pump design and production, as well as the territory's one of largest outlets integrating manufacture of water pumps and provision of after-sales maintenance services for 40 years.



Job Ref HZMB Passenger Clearance Building

Job Ref. International Commerce Centre

G/F., Times Tower, 928-930 Cheung Sha Wan Road, Kowloon, Hong Kong Tel : 2746 4933 Fax : 2786 2307 Whatsapp 😒 : 9720 8483 Email : info@sppump.com Website : www.sppump.com



## ARMACELL SOLUTION

#### ArmaFix<sup>®</sup> Insulation Pipe Support

// Provide optimum load bearing
// Self-adhesive closure,easy application and saves time
// Protect against condensation gaps
// Approved by HK FSD

### ArmaFlex<sup>®</sup> C0

- High-performance Insulation
- // High water and vapour resistance
  // Highly flexible
- // Low and stable thermal conductivity
- // Perfect condensation control
- // Excellent fire performance
- // FM approved

## Arma-Chek<sup>®</sup> Silver

- Professional Covering System
- // Excellent water tightness
  // UV & weather proof
  // High puncture and tear resistance
  // Excellent aesthetic appearance
  // Excellent fire-performance:Class 0 (BS 476)
  // Prefabricated elbows, tees and end caps available
- // Cost savings in labour, material and time
- // Approved by HK FSD

ARMACELL ASIA LTD.,

Room 1501-08, Millennium City5, 418 Kwon Tong Road, Kowloon, Hong Kong

Tel:852 2574 8420 Fax:852 2574 8394 E-mail: sam.s.yeung@armacell.com



Scan and follow our Wechat



www.armacell.com.hk www.armacell.com

## Leveraging Big Data Analytics to Achieve Energy Optimisation

#### By: Dr Pan LEE

Given the dominance of building services (BS) systems in building energy consumption, ensuring BS systems to run at the highest possible energy efficiency is crucial to realisation of the global GHG emission reduction target. Greater utilisation of new technologies (such as big data and machine learning) to serve this purpose is, therefore, a necessary strategy to pursue. Furthermore, ensuring BS systems, especially central air-conditioning (AC) systems, to continually operate in proper working order is important, as energy use would not actually be optimised, and energy could even be wasted, due to presence of unnoticed system or equipment faults. Automatic fault detection and diagnostics (FDD) routines that can alert the operation and maintenance (O&M) personnel of any fault arising will be able to maximise the benefits of optimisation control. Therefore, it is essential to leverage big data analytics and machine learning to achieve the best possible energy performance of central AC system and transform the maintenance practices from the experienced-based to data-driven decision making.

#### **Cloud-based Data Management**

Adopting a cloud platform to manage a vast amount of data facilitates data collection, pre-processing, enrichment, storing, and analysis of the data from various sensors in central AC systems and relevant open data (e.g. HK Observatory's weather data). The first step of big data analytics is advanced data processing which involves data cleansing, filtering, transforming and enriching. Abnormal and noisy data is eliminated in order to ensure data quality. Subsequently, the processed data can be put in use for the development of a various scopes of analytic applications.

To achieve the goal of energy management, 3 core pillars must be established. They are Dynamic Optimisation, Automated Fault Detection and Diagnostics (AFDD), and Data Visualisation.



#### **Dynamic Optimisation**

The self-trained physics-guided machine learning (PGML) models can be developed using actual operating data (Figure 2 & 3). With the holistic PGML model, the optimal control settings for a central chiller plant can be determined under various cooling load and weather conditions. The possible control settings include the combination of different equipment operations and the relevant system settings, such as

- Chilled water supply temperature set point
- No. of chillers to be run
- No. of chilled water pumps to be run
- No. of cooling towers to be run
- Condenser water pump speed
- Cooling tower fan speed
- Chilled water pump speed
- Chilled water flow rate demand

This approach not only achieves energy savings, but also ensures the minimum energy use in the central chiller plant under various cooling load and weather conditions. Besides, practical constraints such as data quality issues and operational constraints, can be also considered in this optimisation method.







unnoticed system or equipment faults can be minimised. An immediate action can be executed when the significant change in equipment performance is detected (Figure 4). AFDD also leverages big data analytics to discover faults, investigate root problems and recommend best-suited solutions, ultimately, achieving optimal energy performance.

|                                 | 1 Supply air tamp, prollation  |  |  |  |  |
|---------------------------------|--|--|--|--|--|
| Issue                           | 2. Cooling coil valve oscillation  |  |  |  |  |
| Impact Control                  |  |  |  |  |  |
| Severity Critical               |  |  |  |  |  |
| Implications                    | 1. Unstable supply air temp. control<br>2. Unstable cooling coil valve control   |  |  |  |  |
| Recommendations                 | 1. Review PI setting on supply air temp. control<br>2. Review PI setting on cooling coil valve control   |  |  |  |  |
| Diagnostics_result              | <ul> <li>Supply air temp. was oscillating with the magnitude of ±1.2°C</li> <li>Cooling coil valve was oscillating with the magnitude of ±33.1%</li> </ul> |  |  |  |  |
| AHU Valve Position              |  |  |  |  |  |
| AHJ_14F_1 CMM, valve set period |  |  |  |  |  |

Figure 4: AFDD showing the details from discovering system faults, stating root causes, evaluating severity and providing the best-suited recommendations

#### Data Visualisation and Predictive Maintenance

Modular dashboards enable facility managers to visualise energy use and performance of different equipment over a

## conex Bänninger >B< MaxiPro

Join the Press Revolution

#### An innovative press system suitable for **AIR-CONDITIONING** and **REFRIGERATION** applications up to **48** bar.

Benefitting from 110 years' experience in fittings manufacture and over two decades in press system design, award-winning >B < MaxiPro is set to revolutionise pipe jointing in air-conditioning and refrigeration applications.

#### Benefits summary

- Reduced installation time and cost
- Secure, permanent 3-point pres
- Flame-free connection no hot works permit required, no risk of fire
- No nitrogen purge
- Hexible, non-disruptive, clean, repeatable, professional installation system
- Extensively tested with a 10-year guarantee subject to training
- Available in inch and metric sizes



K記(國際)有限公司 BUN KEE (INT'L) LTD

QUICK

STRONG

DURABLE

For further information visit bmaxipro.conexbanninger.com or email international@ibpgroup.com (852) 2728 7237 | www.bunkee.com

#### **Carrier Commercial**



**Healthy Building Solutions & Services** 

Carrier offers a suite of Healthy Building Solutions & Services that help deliver healthier, safer, more efficient, and more productive indoor environments. From building assessments and technology solutions that improve indoor air quality (IAQ), to maintenance and monitoring to support buildings throughout their lifecycle. Carrier's experts will work closely with you to assess, upgrade, maintain and sustain your buildings to help protect what's most important - the health of those inside.

Building IAQ Assessment Options to test air quality and develop and implement upgrades to help ensure optimal filtration,

ventilation, airflow, and controls.



Visual Assessments help identify IAO goals with a building walk through and discussion of building operations. Visual assessments are best suited for single-sites and smaller buildings.



Level I: Baseline Assessments help identify areas of the building that present potential health or safety risks. Baseline assessments provide findings for possible curative action and next steps.





health

Level II: Investigation Assessments

of the buildings IAQ level using testing and sampling to improve building

help provide a deeper understanding

Level III: Comprehensive Assessments provides the most in-depth review of the building IAQ through testing, sampling and monitoring to help improve building health now, and an ongoing plan for the future.

Customized Assessments help you customize any solution to include as much or little effort, testing and examination that meets your facility goals.

Needlepoint Bipolarization Ionization (NPBI) improves air quality

into harmless compounds.

by introducing ions into the air-flow

that attach to particles breaking them

Building Solutions to deliver healthier, safer, more efficient and productive indoor environments.



High-Efficiency Particulate Air (HEPA) filters are 99.97% efficient, helping to significantly reduce the presence of contaminants in the air.



Anti-Microbial, Anti-Corrosion coil coating applications help to hinder the growth of pathogens and microorganisms on coils increasing efficiency of the coils.





UV-C Lighting technology emits energy which targets and damages air contaminants such as microorganisms, bacteria, viruses, mold, and other volatile contaminants on the coil and helps prolong equipment life.

Electrostatic Filters use static electricity to catch particles as they pass through the filter and help protect buildings from harmful microscopic particles.

Building Protection Services to help ensure high quality air by keeping the building's HVAC system properly maintained.



BLUEDGE

Carrier Equipment Start-Up helps ensure the HVAC equipment is properly started up and performs as designed, helping to ensure the building is ready for occupancy.

Carrier BluEdge Service Plans help ensure HVAC equipment & indoor air and filtration systems are operating optimally and efficiently throughout the years. IAQ assessments and retrofits for upgraded filtration and controls can be included into service plans.







Carrier SMART Service provides remote visibility and valuable insight into key operating data, analyzing hundreds of parameters generated by connected equipment in real time, and monitors HVAC performance in BluEdge Command Centers.

Remote Airside Management leverages a building's automation

system to remotely monitor and manage the building's airside equipment, make changes & fix issues remotely via a 24x7 Command Center.

Carrier Building Management System to easily manage building and occupant comfort from a web browser or mobile device. Create schedules, view trends, alarms and custom reports to control energy savings and occupant comfort.



HEALTHYBUILDINGS Email: Charmaine.Chi@carrier.com Tel: (852) 2694 5234 ©2020 Carrier. All Rights Reserved.



## Your Trusted **HVAC Solution Partner** 值得信賴的暖通空調解決方案夥伴



**Solution Design** 方案設計



24

Installation 安裝



**Test & Commission** 測試及驗收

**Maintenance & Repair** 維修及保養

**Emergency Service** 緊急服務



Dah Fung Hong (Holdings) Company Limited \$ 2836 0301 () info@dahfung.com ) 9/F, 8 Lam Chak Street, Kowloon Bay, Kowloon, HK





**AC System Service** 

全方位暖通空調服務



150 14001:2015 ertificate No:E12)

Certificate Nec5603 rtificate No:0305

All-rounded

**GRUNER ACTUATORS** 

# ACTUATING AND CONTROLLING HVAC DAMPERS



ABB general purpose drives ACS530 0.75 to 250 kW





RITECH ENGINEERING & SUPPLY CO., LTD. 料 偉 達 T 程 材 有 限公 司 Units 1-2, 10/F., South China Industrial Building, No.1 Chun Pin Street, Kwai Chung, N.T. H.K.

Tel: (852) 2410 1819 E-mail: sales@ritech-hk.com Fax: (852) 2410 1735 Website: www.ritech-hk.com

\ BB

**GRUNER** SWITCH TO INNOVATIONS



Permanent Magnet Motor

- High efficiency in wide speed range
- Lower weight & volume
- Lower noise & vibration
- Extented bearing life
- No need for forced ventilation
- Compared with IE2 motor the payback period is around 2~3years
- Available IE4 & IE5

#### **Cooling Tower Direct Drive**

- Eliminates the gearbox, drive shaft and disc couplings
- Lower noise
- Increases the system efficiency Energy savings
- Reduces maintenance
- Lower installation cost by eliminating alignment issues of mechanical components
- Avoid oil contamination and leaks



Conventional System

New System •

Energy saving motor.



偉 達 工 程 材 料 有 限 公 司 Units 1-2, 10/F., South China Industrial Building, No.1 Chun Pin Street, Kwai Chung, N.T. H.K.

RITECH ENGINEERING & SUPPLY CO., LTD.

 Tel: (852) 2410 1819
 E-mail: sales@ritech-hk.com

 Fax: (852) 2410 1735
 Website: www.ritech-hk.com

## PROJECT HIGHLIGHT



| Project Name                 | : The Quayside, 77 Hoi Bun Road, Kwun Tong, Kowloon               |
|------------------------------|---|
| Member's Role in the Project | :- Mechanical Ventilation and Air Conditioning Installation,      |
|                              | Central Chiller Plant, Staircase Pressurization System and        |
|                              | Dynamic Smoke Extraction System Installation                      |
|                              | <ul> <li>Intelligent Building Management System (IBMS)</li> </ul> |
|                              | - Solar Hot Water System  |
| Completion Year              | : 2019  |
| Member/ Company Name         | : ATAL Building Services Engineering Ltd.                         |

#### **Project Overview**

MVAC System Description:

DEIT

8 nos. of AHU/PAU locating at Podium Floor provide central air-conditioning to the main entrance, lobby and retails. Over 2,100 nos. of VAV boxes incorporated with 68 nos. of AHU and 8 nos. of pre-treated fresh air from central PAU to serve office spaces.

#### Prefabrication and Modularization

Design for Prefabrication and Modulation was implemented to the building to minimize on-site works. 40 sets of chilled water pipe riser modules were designed and prefabricated off-site in factory. These modules were delivered and assembled by Tower Crane and shortened the construction programme compared with traditional method.



Prefabrication and off-site welding works

#### **BIM Application**

BIM model was adopted in the project which is important to the E&M coordination and construction planning. E&M



#### IoT-enabled Smart Building System

The building is equipped with an open, interoperable integrated Building Management System which has over 30,000 connection points for the optimal control and monitoring of the MVAC, power distribution, lighting and other E&M systems of the building. The system integrates multiple systems and smart meters to allow centralized control and management across the building. Vast amount of system data including indoor conditions, equipment operation status and energy consumption provide detail analytical approach to optimize system performance and improve energy efficiency.



#### Sustainable Design

With the goal of long-term sustainability, innovative green designs and technologies such as VSD chillers, demand control ventilation (DCV), air induction units, solar hot water system are adopted in The Quayside. The desiccant dehumidification system is integrated with the solar hot water system. This design allows the desiccant to remove humidity from the air and then regenerate it using solar hot water. To better engage the tenant with the sustainable features of the building, Building Performance Display is installed at the main entrance of The Quayside to show the real-time energy performance, environmental quality and tips on greener lifestyles.





## Leveraging Big Data Analytics to Perform RCx with Accurate Data



Information, Communications & Building Technologies Tel: (852) 2565 3399 | Email: icbtmarketing@atal.com | www.atal.com

A member of ATAL Engineering Group

## **New Members**

#### From May 20 to Oct 20

| 1 | Associate Member | O-Link Limited                          | Jun-20 |
|---|------------------|---|--------|
| 2 | Associate Member | Sun Yu Chau Engineering Company Limited | Jun-20 |
| 3 | Associate Member | Tin Sing Chemical Engineers Ltd.        | Jun-20 |
| 4 | Associate Member | Luen Ming E & M Engineering Ltd.        | Jul-20 |
| 5 | Associate Member | Vircon Limited                          | Jul-20 |
| 6 | Associate Member | TICA-SMARDT HONG KONG LIMITED           | Sep-20 |
|   |                  |   |        |







CONSCREPT IN STREET









## **Optimising Data Centres** with Exceptional Solutions

ATAL Data Centre Infrastructure has over 30 years of experience in offering one-stop services for integrated E&M infrastructure of data centres, covering the full data centre life cycle. With the support from our 24/7 call centre for maintenance services, we are committed to delivering services that exceed our customers' needs.

Computer Room Air Conditioning

Uninterruptible Power Supply

> Liquid Leak Detection System

All-In-One Rack

Hot / Cold Aisle Containment

- IT Rack

augi -

Battery Monitoring System

IT Structured Cabling & Fibre Raceway System







ATAL Data Centre Infrastructure Ltd Tel: (852) 2561 8278 | Email: info.dci@atal.com | www.atal.com A member of ATAL Engineering Group

## **Annual General Meeting**



From the AGM of ACRA which was conducted on 3 Jul 2020, the New Term Year 2020 – 2022 has officially begun. The office bearers' election has designated Mr. Franklin Lau as the new President who will lead the council members together with our Chairman, Mr. M. T. Law and our very first female office bearer as the Treasurer, Ms. Fanny Chan to



## Training Class for Next Generation Refrigerants' Development (7<sup>th</sup> Class)

Every quarter, ACRA jointly with EMSD and VTC Pro-Act organize the Training Class for Next Generation Refrigerants' Development for the industry practitioners. Two classes have been lectured by Mr. LO Wai-keung, instructor from VTC Pro-ActTraining and Development Centre, again on 18 Aug 2020 and 7 Dec 2020 to review applications, characteristics and selection of the next generation refrigerants in respect with concerns regarding the efficiency, flammability, regulations and other safety and environmental issues.

## 空調管道隔熱材料安裝技術及知識研討會

根據政府規定,承判政府工程之隔熱保溫安裝,承判商必須提供不少於一成(10%)安裝技術人員持有ACRA或同 等認可機構發出合資格証書的技術人員指導施工。雖然今年2019冠狀病毒病疫情示弱,仍無阻本會於2020年9月 18日在灣景國際酒店宴會廳為此舉辦了第三課的技術研討會篫解説一些有關「發泡橡塑保溫(豬腸膠)及玻璃棉」 和「泡沫酚醛及PID 直接風管系統」的資訊及經驗分享。





## Online E&M GO! 2020

ACRA has always been committed in the support of recruiting and welcoming new blood for the E&M industry. This year, despite the influence by the Covid-19 pandemic, the E&M GO! has been held online on 8 Oct 2020 successfully with the host situated at EMSD headquarters which attracted numerous young engineers to join this vigorous and meaningful annual occasion provided the application of web meeting technology. The main objective of this event is to welcome the new engineers fit into the E&M industry readily via a thorough understanding of the great advantage for a rather stable career development with lots of advancement opportunities to position themselves a bright future in this trade.









## **HKFEMC Joint Professional BS Training Course 2020**

The Joint Professional Building Services Training Course hosted by HKFEMC with the support of ACRA, ECA, EMCA, FSICA, PSWTA and LECA has been held on every Monday and Friday from 2 Nov 2020 to 7 Dec 2020 through webinar. It is the first time ever for this key event to be conducted online which received overwhelming response and ended in great success with the advanced technology and support of the administrators. Both the professional lecturers and participants found the online training to be convenient and resourceful for broadening their knowledge in the design, installation and maintenance of BS Systems in the latest market development without worries from the Covid-19 pandemic.



Group photo



**Energy Management for HVAC System** Guest Speaker: Dr. Pan LEE from ATAL Building Services Engineering Ltd

Pump & Valve

Guest Speakers: Mr. John MA & Mr. David KWONG from The Jardine Engineering Corporation Ltd



**Fan & AHU** Guest Speaker: Mr. Tony NG from Welcome Air-Tech Ltd



#### Member List

|   |                         |               |                            | Contracting<br>Nanufac | uing service | ing supplier |
|---|-------------------------|---------------|----------------------------|------------------------|--------------|--------------|
| Company Name  |                         | Contact Numbe | er Website / Email         | Trade                  |              |              |
| ATAL Engineering Limited                                | 安樂工程有限公司                | 2561 8278     | www.atal.com               | •                      | •            | •            |
| Carrier Hong Kong Limited                               | 開利 (香港) 有限公司            | 2694 5375     | www.carrier.com.hk         |                        |              | •            |
| Krueger Engineering (Asia) Limited                      | 高雅機電工程有限公司              | 2860 7333     | www.krueger.com.hk         | •                      |              |              |
| Newland Engineering Limited                             | 新陸工程有限公司                | 2967 8620     | moshiu@newland.com.hk      | •                      |              |              |
| REC Engineering Company Limited                         | 盈電工程有限公司                | 2619 8888     | www.rec-eng.com            | •                      | •            |              |
| Shinryo (Hong Kong) Limited                             | 新菱工程香港有限公司              | 2237 8624     | www.shinryo.com            | •                      |              |              |
| Shun Hing Engineering Contracting Company Limited       | 信興機電工程有限公司              | 2419 8282     | www.shecon.com             | •                      |              |              |
| The Jardine Engineering Corporation Limited             | 怡和機器有限公司                | 2807 4511     | www.jec.com                | •                      | •            | •            |
| Trane Hong Kong   | 特靈香港                    | 3128 4756     | www.tranehk.com            | •                      | •            | •            |
| Winston Air Conditioning & Engineering                  | 永通冷氣工程 (香港) 有限公司        | 2764 1200     | www.winston-hk.com         | •                      | •            |              |
| (Hong Kong) Company Limited                             |                         |               |                            |                        |              |              |
| York International (Northern Asia) Limited              | 約克國際 (北亞) 有限公司          | 2590 0012     | www.johnsoncontrols.com    | • •                    | •            | •            |
| Young's Engineering Company Limited                     | 景福工程有限公司                | 2235 0900     | www.youngs.com.hk          | •                      | •            |              |
| Alliance Contracting Company Limited                    | 聯和承造有限公司                | 2891 9083     | www.alcc.com.hk            | •                      |              |              |
| Analogue Technical Agencies Limited                     | 安樂科技有限公司                | 2561 8278     | www.atal.com               |                        |              | •            |
| ATAL Building Services Engineering Limited              | 安樂機電設備工程有限公司            | 2561 8278     | www.atal.com               | •                      | •            | •            |
| Bun Kee (International) Limited                         | 彬記 (國際) 有限公司            | 2748 9319     | www.bunkee.com             |                        |              | •            |
| BYME Engineering (Hong Kong) Limited                    | 嘉福機電工程有限公司              | 2881 6690     | www.bymehk.com             | •                      | •            |              |
| Carewin Engineering Limited                             | 嘉榮行工程有限公司               | 2898 2183     | admin@carewinhk.com        | •                      | •            |              |
| Chevalier (E & M Contracting) Limited                   | 其士 (機電工程) 有限公司          | 2111 4811     | www.chevalier.com          | •                      |              |              |
| China State Mechanical & Electrical Engineering Limited | 中國建築機電工程有限公司            | 2823 7888     | www.cohl.com               | •                      |              |              |
| Chun Wo E & M Engineering Limited                       | 俊和機電工程有限公司              | 3758 8007     | www.chunwo.com             | •                      |              |              |
| Daikin Airconditioning (Hong Kong) Limited              | 大金冷氣 (香港) 有限公司          | 3966 9528     | www.daikin.com.hk          |                        |              | •            |
| Efatar Environmental Protection Equipment Limited       | 怡輝環保器材有限公司              | 2606 6922     | www.cold-magic.com         | •                      | •            | •            |
| Fook Loong (HK) Limited                                 | 福隆 (香港) 有限公司            | 2393 7773     | www.flhk.com.hk            |                        |              | •            |
| Gammon E&M Limited                                      | 金門機電工程有限公司              | 2516 8823     | www.gammonconstruction.com | •                      |              |              |
| Gate Way Valve & Fitting Limited                        | 基法水管配件有限公司              | 2688 2666     | www.gatewayv.com.hk        |                        |              | •            |
| Honeywell Limited                                       | 霍尼韋爾 (香港) 有限公司          | 2331 9133     | www.honeywell.com          |                        | •            | •            |
| Hsin Chong Aster Building Services Limited              | 新昌亞仕達屋宇設備有限公司           | 2579 8238     | www.aster.hk.com           | •                      |              |              |
| Johnson Controls Hong Kong Limited                      | 江森自控香港有限公司              | 2590 0012     | www.johnsoncontrols.com    | • •                    | •            | •            |
| K-Thorn Engineering Company Limited                     | 旗鋒工程有限公司                | 2481 2918     | main@k-thorn.com.hk        | •                      |              |              |
| Lik Kai Engineering Company Limited                     | 力佳工程有限公司                | 2611 4501     | ericyung@likkai.com.hk     | •                      |              |              |
| Lucky Engineering Company Limited                       | 運通冷氣電業有限公司              | 2780 5285     | general@luckyeng.com.hk    | •                      |              |              |
| McQuay Air-Conditioning Limited                         | 麥克維爾空調有限公司              | 2893 6261     | www.mcquay.com.hk          | • •                    | •            | •            |
| MECO Engineering Limited                                | 德寶工程有限公司                | 2774 8200     | meco-engltd@yahoo.com.hk   | •                      |              |              |
| Midea Electric (Hong Kong) Limited                      | 美的電器(香港)有限公司            | 3669 4888     | www.mideahk.com            | • •                    |              | •            |
| Quad-Tech Engineering (Hong Kong) Company Limited       | 高得工程有限公司                | 2573 1832     | qt@quadtech.com.hk         | •                      |              |              |
| Raising Engineering Limited                             | 威信工程有限公司                | 2395 6081     | simonsiu@raising.com.hk    | •                      |              |              |
| Ryowo (Holding) Limited                                 | 菱和 (集團) 有限公司            | 2391 8381     | www.ryowo.com              | •                      |              |              |
| Siemens Limited   | 四門子有限公司                 | 2107 6506     | andy.wong@siemens.com      |                        |              | •            |
| Skyforce Engineering Limited                            | 大科工程有限公司                | 2885 1620     | info@skyforce.com.hk       | •                      |              |              |
| Southa Technical Limited                                | 南龍機電工程有限公司              | 2963 7175     | www.southa.com             |                        |              |              |
| Standard Refrigeration & Engineering Company Limited    | 立德工程有限公司                | 2781 0871     | SRE@hklpg.com.hk           | •                      |              | •            |
| Takasago Thermal Engineering (Hong Kong) Co., Ltd.      | 高砂熱學工業 (香港) 有限公司        | 2520 2403     | sales@takasago.com.hk      | •                      | •            |              |
|   | 侍刀唯上程有限公司<br>会其 中調 カロッフ | 3193 1300     | technic@technicon.com.hk   | •                      |              |              |
| Welcome Air-Tech Limited                                | <b>惇基空調有限公司</b>         | 2806 8316     | www.saiver-welaire.com.hk  | •                      | •            | •            |
| Westco Air Conditioning Limited                         | 威高冷氣工程有限公司              | 2426 3123     | mandylo@scee.com.hk        | •                      |              |              |

STREET, In all from

|      |  |   |               |                                 | Contracting during soliton support | ilet |
|------|--|---|---------------|---------------------------------|------------------------------------|------|
| _    | 0N   |   |               |                                 |                                    |      |
|      |  |   | Contact Numbe |                                 | Trade                              |      |
|      | ABB (Hong Kong) Limited                              |   | 2929 3800     | www.abb.com.cn                  | •                                  |      |
|      | A-Gas Environmental Services HongKong Limited        | 主体テロナロッフ  | 3188 5078     | www.agas.com                    | •                                  |      |
|      | A & R Engineering Company Limited                    | 奇樂上程有限公司<br>朝 - 勝志一昭七昭 - マ  | 2408 2960     | general@arengco.com.hk          | •                                  |      |
|      | Aires Engineering Company Limited                    | 教刀機電上程有限公司<br>世界の出して、地 右間 ネラマーク   | 2658 8856     | adrianwong@aires.com.hk         | •                                  |      |
|      | Air Star Air Conditioning Technology Group           | 燕廸科技(香港)有限公司  | 2607 4131     | www.yantong.cn                  | • •                                |      |
|      | (Hong Kong) Limited                                  |   | 0500 7555     |                                 |                                    |      |
|      | Alpha Appliances Limited                             | 第一電業有限公司<br>エケエヨナ四 0 ヨ  | 2529 7555     | www.alpha-general.com           |                                    |      |
|      | Anway Engineering Company Limited                    | 止住工程有限公司  | 2598 4228     | www.anway.com.hk                | •                                  |      |
|      |  | 門栄則 記加有限公司  | 2574 8376     | www.armaceii.com                | •                                  |      |
|      | Arnnold & Co., Ltd.                                  | 女利有限公司  | 2807 9400     | patrickiai@arnnoid.com.nk       | •                                  |      |
|      | A sning Engineering Company Limited                  | 20012米工任有限公司<br>南カ利井左四へ ヨ   | 2537 1818     | wiikiengan@asning.com.nk        |                                    |      |
|      | Auto Integrated Limited                              | 突力科技有限公司<br>博力描述 G 昭 左 阳 八 ヨ  | 2012 0758     | rickie@autoinnk.com             |                                    |      |
|      | Belimo Actuators Limited                             | 博力 味 新 打 奋 有 限 公 可  | 2087 1710     | www.beilmo.com                  |                                    |      |
|      | Bolliller Hong Kong Lia.                             | 波勃迥應余統(省沧)有限公司<br>新康駿南盟廿工租左阻公司  | 27 15 5000    | www.boililiterchina.com         |                                    |      |
|      | Biocline Healthcare Services Limited                 | 利尿茜原舔剂工任有限公司  | 2072 1111     | blo@blocline.com                | •                                  |      |
|      | Dizer Reingeration Asia Limited                      | 応摩爾前々兄がლ有限公司  | 2000 0200     | www.bilzer.de                   |                                    |      |
|      | Brisky Limited                                       | 牙酸科技有限公司  | 25113101      | tkwan@briskyitd.com             | Laboratory Toating                 |      |
|      | Castolick International Limited                      | 住力向武蔵中心有限公司   | 2097 0000     | www.casico.com.nk               |                                    |      |
|      | CDRM Engineering Consultant Company Limited          | 后希幽际有限公司  | 2020 1097     | andy@centaiink.com.nk           |                                    |      |
|      | Chaung Kao Matal Company Limited                     | 利如力工任殿回有限ムロ   | 2090 1000     | Indil@cubin.dsid                | •                                  |      |
|      | Chi Vip Engineering Company                          | 什心立立有限ムリ<br>士業工程公司  | 2078 0084     | cappy@acmy.cv.com               |                                    |      |
|      | Chin Tat Trading Company                             | 心未工性ムリ<br>屈法留見八司  | 3521 1580     | cariny@acmv-cy.com              |                                    |      |
| LS   | Chit Tat Electrical Engineering Limited              | 成建貝勿ム 円<br> <br> | 3521 1569     | obittat@vabaa.com.bk            |                                    |      |
| nbe  | Chang Kin Air-Condition Trading Engineering Co. 1 td | 延建機电工任何限公司<br>創建冶 <u><u></u><br/></u>                                   | 2307 5159     | www.chongkingircon.hiz.com.hk   |                                    |      |
| Mer  | C   Wishing International Limited                    | 南庄雷丵右限公司  | 2700 0707     | ciwish@ciwish.com.hk            |                                    |      |
| tel  |  | 志工电米竹阪ム市  | 2133 3131     | cjwish@cjwish.com.nk            |                                    |      |
| ocia | CLP Power Hong Kong Limited                          | 甲華電刀有限公司  | 2678 7350     | www.clpgroup.com                | Electricity Supply                 |      |
| SS   | Clydeman Engineering Limited                         | 佳電工程有限公司  | 2332 3591     | daniel@clydeman.com             | • • •                              |      |
| AA   | CMA Testing & Certification Laboratories Limited     | 廠商會檢定中心   | 2698 8198     | www.cmatesting.org              | Laboratory Testing                 |      |
| CR   | Compass Engineering Limited                          | 康栢工程有限公司  | 2688 7778     | compassengltd@yahoo.com.hk      | • •                                |      |
| 4    | Crowntin Limited                                     | 冠殿有限公司  | 8202 0830     | clchoy@crowntingrp.com.hk       | • •                                |      |
|      | Daikin Arkema Refrigerants Asia Limited              | 大金阿科瑪冷媒亞洲有限公司   | 2295 6608     | www.daikinarkema.com            | •                                  |      |
|      | Delta Pyramax Company Limited                        | 佳澤科技有限公司  | 2511 2118     | www.deltapyramax.hk             | •                                  |      |
|      | Dictson Engineering Ltd.                             | 迪迅工程有限公司  | 2891 8070     | lui@dictson.com.hk              | • •                                |      |
|      | Dynalink International Technology Limited            | 匯能國際科技有限公司  | 3955 0203     | www.di-technology.com           | • • •                              |      |
|      | Eaxon International Company Limited                  | 恩索有限公司  | 3590 4656     | gamescheung@eaxon.hk            | • • •                              |      |
|      | ebm-papst Hong Kong Limited                          | 依必安派特香港有限公司   | 2145 8678     | info@hk.ebmpapst.com            | • •                                |      |
|      | Electrodrive Engineering Limited                     | 高宜工程設備有限公司  | 2573 7211     | info@electrodrive-eng.com       | •                                  |      |
|      | Enviro-Tech Engineering Company Limited              | 鷹達工程有限公司  | 2827 0688     | steveli@envirotech.com.hk       | •                                  |      |
|      | Ever Cool Refrigerating & Air-Conditioning Co., Ltd. | 嘉毅冷凍空調設備有限公司  | 2356 8598     | info@evercoolhk.com             | • •                                |      |
|      | Evergreen Environmental Technology Company Limited   | 冬青環保科技有限公司  | 2562 3331     | www.evergreen-environmental.com | •                                  |      |
|      | Extensive Trading Company Limited                    | 精基貿易有限公司  | 2889 1681     | www.extensive.com.hk            | •                                  |      |
|      | Far East tEngineering Services Limited               | 遠東工程服務有限公司  | 2898 7331     | www.fareast.com.hk              | • •                                |      |
|      | Fortune Links Hong Kong Limited                      | 鑫力香港有限公司  | 2562 9399     | info@fortunelinks.com.hk        | • • •                              |      |
|      | Fungs E & M Engineering Company Limited              | 馮氏機電工程有限公司  | 2682 7200     | fungscww@netvigator.com         | •                                  |      |
|      | GTECH Services (Hong Kong) Limited                   | 英國通用工程 (香港) 有限公司  | 2123 0888     | www.gtechservices.com.hk        | •                                  |      |
|      | GELEC (HK) Limited                                   | 香港通用電器有限公司  | 2919 8383     | hq@gelec.com.hk                 | •                                  |      |
|      | Gether-Force Air-Conditioning Engineering Co., Ltd.  | 群力冷氣工程有限公司  | 2890 2622     | geforce@hknet.com               | •                                  |      |
|      | Getwick Engineers Limited                            | 佳域工程有限公司  | 2893 3600     | getwick@getwick.com             | •                                  |      |
|      | Glory Air-Conditioning Limited                       | 天恩空調有限公司  | 3487 9092     | wallace@gloryacltd.com          | • • •                              |      |
|      | Golden Leaf International (Hong Kong) Limited        | 金葉國際(香港)有限公司  | 2648 1000     | info@glint.com.hk               | • •                                |      |
|      | Goodway Electrical Engineering Limited               | 住濤電業有限公司  | 2405 0888     | www.goodwaygrille.com           | • •                                |      |
|      | Gotop Engineering (HK) Limited                       | 品陞工桿 (杏港) 有限公司  | 2459 3038     | gotopco@vahoo.com.hk            |                                    |      |

ŧ

Shud Elimit

CRIMIN

88

87.14

#### Member List

| _    |  |                    |              |                              | Mo    | • • |
|------|--|--------------------|--------------|------------------------------|-------|-----|
|      | Company Name   | C                  | ontact Numbe | r Website / Email            | Trade |     |
|      | Great Top Engineering Limited                        | 宏鋒工程有限公司           | 2345 2219    | general@greattop.com.hk      | •     |     |
|      | GRUNDFOS Pumps (Hong Kong) Ltd.                      | 高福水泵(香港)有限公司       | 3540 0300    | www.grundfos.com             | •     |     |
|      | Hang Ji Industries International Co., Ltd.           | 恆基工貿國際有限公司         | 2721 6129    | www.hangji.com               | •     |     |
|      | Hensen System Engineering Limited                    | 豪信系統工程有限公司         | 2884 9001    | cecil@hensen.com.hk          |       | •   |
|      | Hilti (HK) Limited                                   | 喜利得 (香港) 有限公司      | 2773 4705    | www.hilti.com.hk             | •     |     |
|      | Hi Tak Thermal & Acoustic Insulation Eng. Limited    | 喜德保溫隔聲工程有限公司       | 2770 7703    | www.hitakinsul.com           | • •   | •   |
|      | Honest Air Conditioning Limited                      | 明發冷氣有限公司           | 2396 8108    | www.achonest.com             | •     | •   |
|      | H.W. International Air-Conditioning Limited          | 豪華國際空調有限公司         | 2796 8888    | info@hooair.com              | •     |     |
|      | IES Engineering (Hong Kong) Limited                  | 恒豐工程 (香港) 有限公司     | 2992 0830    | www.ieshk.com.hk             |       | • • |
|      | InnoTec Engineering Ltd.                             | 科技工程有限公司           | 3706 6333    | info@innoteceng.com          | •     |     |
|      | Intelligent Technologies Limited                     | 毅智科技發展有限公司         | 2301 4868    | info@intelligent-net.com     |       | •   |
|      | Jade Star Engineering Limited                        | 捷陞工程有限公司           | 3998 3256    | jadestarhk@yahoo.com.hk      | •     | •   |
|      | JC (HK) Engineering Limited                          | 悦峰工程有限公司           | 2898 9885    | jc.hk.eng@gmail.com          | • •   | • • |
|      | J & J Network Engineering Company Limited            | 信卓網絡工程有限公司         | 3579 5263    | www.jjnetwork.com.hk         |       | •   |
|      | Johnson Controls-Hitachi Air Conditioning            | 江森自控日立空調           | 2590 0012    | www.jci-hitachi.com          | •     | •   |
|      | Trading (Hong Kong) Limited                          | 貿易 (香港) 有限公司       |              |                              |       |     |
|      | Joneson Environmental Technologies Limited           | 忠誠環保科技有限公司         | 2889 8220    | jet@fsenv.com.hk             | • •   | • • |
|      | Join Rich Engineering Limited                        | 億聯工程有限公司           | 3153 2048    | www.joinrich.com.hk          | •     |     |
|      | Jinchat Engineering (HK) Company Limited             | 正卓工程 (香港) 有限公司     | 2687 1755    | jyin@jinchat.com             | •     | • • |
|      | Jun Feng Company Limited                             | 駿峯有限公司             | 2707 3088    | www.junfeng.com.hk           |       | • • |
|      | Keio Engineering Company Limited                     | 京王工程有限公司           | 2695 8872    | www.keio.com.hk              | •     |     |
|      | Kembla (Hong Kong) Limited                           | 金特霸 (香港) 有限公司      | 2528 0999    | www.kembla.com.hk            |       | •   |
| s    | Kin Wo A/C Engineering Limited                       | 健和冷氣工程有限公司         | 2398 0157    | kw@kinwo.com.hk              | •     |     |
| ber  | Kinetics Noise Control (Asia) Limited                | 建力聲震控制 (亞洲) 有限公司   | 2191 2488    | www.kineticsnoise.com        | •     | •   |
| em   | Kingsfield Engineering Ltd.                          | 堅輝工程有限公司           | 2815 9560    | www.kelhk.com                |       | •   |
| S    | Kings View Airconditioning Engineering Co., Ltd.     | 景匯空調工程維修有限公司       | 2796 2417    | admin@kingsview.com.hk       | •     |     |
| iato | K-Flex (Hong Kong) Insulation Company Limited        | 凱門 (香港) 保温材料有限公司   | 2668 5202    | www.k-flex.com               | •     |     |
| 000  | KSB Limited  | 凱士比有限公司            | 2147 1226    | philip.chow@ksb.com.hk       | •     |     |
| Ass  | K.Y.H. Steel Company Limited                         | 金源行鐵倉有限公司          | 3473 2332    | www.kyh.com.hk               |       | •   |
| A S  | Laser Resources (Asia) Company Limited               | 全美 (亞洲) 有限公司       | 2516 7500    | laasiahh@netvigator.com      | •     | •   |
| ACF  | LeBlanc Water Treatment & Chemicals Limited          | 利邦化工水處理有限公司        | 2408 2000    | www.leblanc.com.hk           |       | •   |
|      | Lee Tack Engineering Company Limited                 | 李德工程有限公司           | 2305 3111    | Itec@leetack.com.hk          | •     |     |
|      | Lee Yip Metal Products Compnay Limited               | 利業金屬有限公司           | 3651 2698    | www.leekeegroup.com          |       | •   |
|      | Legend Engineering Company Limited                   | 卓越聲控工程有限公司         | 2815 0928    | info@legendjt.com.hk         | • •   | •   |
|      | Lifa Air Limited                                     | 麗風空氣有限公司           | 2511 7076    | www.lifa-air.com             |       | • • |
|      | Life Air IAQ Limited                                 | 活力空氣品質科技有限公司       | 3527 0106    | winston@lifeairiaq.com       | •     | •   |
|      | Link The Best Company Limited                        | 必發 (香港) 有限公司       | 2568 4092    | sales@linkthebest.com.hk     | •     | •   |
|      | Luen Fat Air Condition (Holding) Trading &           | 聯發冷氣(集團)貿易工程有限公司   | 2345 0280    | www.luenfat.com              |       | •   |
|      | Engineering Co., Ltd.                                |                    |              |                              |       |     |
|      | Luen Ming E & M Engineering Ltd.                     | 聯明機電工程有限公司         | 3619 9186    | info@luenmingem.hk           | •     |     |
|      | Luen Ming Pengshan Air Conditioning Factory Ltd.     | 聯明坪山冷氣製品廠有限公司      | 2797 2168    | www.luenming.com             |       | •   |
|      | Man Tung Air-Conditioning E & M Ltd.                 | 萬通冷氣機電有限公司         | 3165 8698    | www.manshungroup.com.hk      | •     |     |
|      | Mason Industries (HK) Limited                        | 梅森實業有限公司           | 2967 9639    | www.mason-hk.com             |       | •   |
|      | Maxwell Electrical Asia Ltd.                         | 美基電器亞洲有限公司         | 3583 5088    | www.maxwell-asia.com         | •     | •   |
|      | Mesan Fiberglass Engineering (International) Limited | 明新玻璃纖維工程 (國際) 有限公司 | 2787 5717    | www.mesanct.com              | •     |     |
|      | Mitsubishi Electric (Hong Kong) Limited              | 三菱電機 (香港) 有限公司     | 2887 4575    | www.mitsubishi-ryoden.com.hk |       | •   |
|      | NAP Acoustics (Far East) Limited                     | NAP 聲學工程 (遠東) 有限公司 | 2866 2886    | www.napacoustics.com.hk      | • •   | • • |
|      | New Way Engineering Company Limited                  | 新法機械有限公司           | 2325 6892    | www.newway.com.hk            |       | •   |
|      | O-Link Limited                                       | 奥聯(國際)有限公司         | 2619 8888    | www.o-link.com.hk            | •     |     |
|      | Oxprime (International) Limited                      | 鑫輝 (國際) 有限公司       | 2590 8088    | info@oxprime.com             |       | •   |
|      | Pacific Sense Enterprises Limited                    | 栢昇企業有限公司           | 3749 5272    | www.pacificsense.com.hk      | •     | •   |
|      | Paul Y. (E&M) Contractors Limited                    | 保華機電工程有限公司         | 2831 8338    | www.pyengineering.com        | •     |     |
|      | Peterson Engineering Limited                         | 必德信工程有限公司          | 2365 0372    | stso@peterson.com.hk         | •     |     |
|      | PowerTech IPC Company Limited                        | 科力發展有限公司           | 3105 3928    | www.powertechipc.com         |       |     |

STATE AND INCOMES

|      | Company Name   | С  | ontact Number | <sup>.</sup> Website / Email     | Trade |
|------|--|--|---------------|----------------------------------|-------|
|      | Powers Technical Services Limited                    | 寶華技術服務有限公司                               | 2770 2110     | powers.pts@gmail.com             | •     |
|      | Practical Engineering (Hong Kong) Company Limited    | 百利高工程 (香港) 有限公司                          | 2402 2772     | practical@practical.hk           | • •   |
|      | Pyrofoe Engineers Limited                            | 衛安工程有限公司                                 | 2388 8038     | www.pyrofoe.com.hk               | •     |
|      | Ready Electrical Metal Work Limited                  | 全達電器金屬製品有限公司                             | 2898 8623     | kw_leung@ready-group.com         | • •   |
|      | REC Green Technologies Company Limited               | 盈電環保科技有限公司                               | 2619 8817     | www.yaulee.com                   | • •   |
|      | Regin Controls Hong Kong Limited                     | 瑞晶溫控香港有限公司                               | 2407 0281     | saleshk@regin.se                 | • •   |
|      | Ritech Engineering & Supply Company Limited          | 偉達工程材料有限公司                               | 2410 1819     | www.ritech-hk.com                | •     |
|      | San Yik Air Conditioning Engineering Company Limited | 新益冷氣工程有限公司                               | 3565 5812     | www.sanyikgroup.com              | • • • |
|      | Sanby Trading Company Limited                        | 聖備貿易有限公司                                 | 2573 4219     | www.sanby.com                    | •     |
|      | Samsung Electronics H.K. Company Limited             | 三星電子香港有限公司                               | 2862 6300     | www.samsung.com.hk               | •     |
|      | Savills Engineering Limited                          | 第一太平戴維斯設備工程有限公司                          | 2508 4668     | ronaldfung@savills.com.hk        | •     |
|      | Shenling Environmental Systems (Hong Kong) Ltd.      | 申菱環境系統 (香港) 有限公司                         | 2603 0002     | www.shenling.com                 | •     |
|      | Shun Hing E & M Engineering Limited                  | 順興機電工程有限公司                               | 2387 2882     | project@shunhingeng.com          | •     |
|      | Shun Hing Electric Service Centre Limited            | 信興電器服務中心有限公司                             | 2406 5333     | www.shunhing-service.com         | •     |
|      | Shun Hing Electronic Trading Co. Ltd.                | 信興電器貿易有限公司                               | 2733 3888     | www.shunhinggroup.com            | • •   |
|      | Shun Tung Engineering Company Limited                | 順通冷氣電機工程有限公司                             | 2633 6866     | gabriel@shun-tung.com            | •     |
|      | Sing Kin Limited                                     | 陞建有限公司                                   | 2333 1518     | singkin@gmail.com                | •     |
|      | Smartech HVAC & Engineering Limited                  | 智能空調工程有限公司                               | 2521 9768     | info@smartech-hvac.com.hk        | •     |
|      | Southa Engineering Limited                           | 南龍工程有限公司                                 | 2963 7241     | www.southa.com                   | •     |
|      | Stars (Hong Kong) A/C & R Company Limited            | 恆星 (香港) 冷熱設備有限公司                         | 6116 7832     | stanley_yuen@hstars.com.cn       | •     |
|      | Sun First International Limited                      | 昇福國際有限公司                                 | 2807 7888     | www.sunfirst.com.hk              | •     |
|      | Sun Yu Chau Engineering Company Limited              | 新宇宙工程有限公司                                | 2345 9355     | www.sycengg.com.hk               | •     |
|      | Sunny Fire Engineering Ltd.                          | 華輝建材有限公司                                 | 2395 6766     | sunnyfireengltd@gmail.com        | •     |
| ers  | Superpower Pumping Engineering Company Limited       | 力霸水泵機械工程有限公司                             | 2745 3562     | www.sppump.com                   | •     |
| ã    | Sustainable Energy Limited                           | 恆澤節能有限公司                                 | 2332 3077     | www.sustaine.com.hk              | • •   |
| Me   | Target Energy Solutions Limited                      | 達標能源管理有限公司                               | 2345 0298     | www.targetensol.com              | •     |
| te   | Teembase Development Limited                         | 天基發展有限公司                                 | 2554 6263     | www.teembase.com                 | •     |
| cia  | Tesa Tape (Hong Kong) Limited                        | 德莎膠帶 (香港) 有限公司                           | 2583 9980     | www.tesa.com                     | •     |
| s so | Thermtech Building Products Limited                  | 泛達建築材料有限公司                               | 2756 3837     | thermbpl@netvigator.com          | • •   |
| Ä    | The Hong Kong & China Gas Company Limited            | 香港中華煤氣有限公司                               | 2963 3368     | www.towngas.com                  | •     |
| K P  | Tinwood Pacific Limited                              | 天匯太平洋有限公司                                | 3956 9751     | www.sinro.com                    | •     |
| A    | Tomi Fuji EMC Limited                                | 富滕能源管理有限公司                               | 2432 0170     | www.tomifuji.com.hk              | •     |
|      | Tom's Equipment Company Limited                      | 義隆設備有限公司                                 | 2757 5539     | tom@toms-equipment.com           | •     |
|      | Tica-Smardt Hong Kong Limited                        | 大加忠茂特香港有限公司                              | 2772 8448     | hk.info@smardt.com               |       |
|      | Tin Sing Chemical Engineers Ltd.                     | 大成化工有限公司                                 | 2619 8858     | www.rec-tsc.com                  | • •   |
|      | Trisun Air Conditioning System Limited               | 二陽糸縦有限公司                                 | 2377 1618     | enquiry@trisun.com.hk            | • • • |
|      | TROX Hong Kong Limited                               | 安忠省港有限公司 まます。 キャックラ                      | 2861 2261     | www.troxapo.com                  |       |
|      | Tung Shing Hardware Co., Ltd.                        | 果 成 五 金 有 限 公 可                          | 2626 9983     | www.tungshinghardware.com.hk     | •     |
|      | Union (Luen Hop) Refrigeration Co., Ltd.             | 「「「「「「「」」」 「「」」 「「」 「」 「」 「」 「」 「」 「」 「」 | 2627 4600     | unionin@bizentvigator.com        | •     |
|      | United Controls (Hong Kong) Limited                  | 統──俄裔 (省沧) 有限公司                          | 2000 6000     |                                  |       |
|      | Victaulic Hong Kong Ltd.                             | 维研工程方限公司                                 | 0090 0023     | www.victaulic.com                |       |
|      | Viewoo Ruilding Service Company Limited              | 維性工性有限ムリ                                 | 2919 4000     |                                  |       |
|      | Wei Luon Air Conditioning Limited                    | 译体工性有限公司                                 | 2343 0010     | anychan@wailuonbk.com            |       |
|      | Wardson Engineering Limited                          | 译  | 2090 9321     |                                  |       |
|      | White Hinne Limited                                  | 羊順工住有限公司<br>白河更企業右限公司                    | 2323 0200     | www.kchop310.bk                  | •     |
|      | Wing Shing Air-Flow Company Limited                  | 永盛風明製品廠有限公司                              | 2792 6331     | accounting@wingshing-hvac.com    |       |
|      | Wollee Steel Company                                 | 和利鋼鐵有限公司                                 | 2393 0131     | www.wolee.com                    |       |
|      | Wolter Asia Limited                                  | 華德亞洲有限公司                                 | 2456 0198     | info@wolter.com.bk               |       |
|      | Wysermann Company Limited                            | 威十文有限公司                                  | 2614 2213     | wysermann@wysermann.com.bk       |       |
|      | Yin On Trading Limited                               | 警安建材留易右限公司                               | 2572 7110     | office@vinon.com.hk              |       |
|      | Yordland Engineering Limited                         | 日島工程有限公司                                 | 2362 2186     | www.vordland.com                 |       |
|      | York Choi Industrial Limited                         | 旭彩實業有限公司                                 | 2795 8286     | www.vorkchoi.com                 | •     |
|      | Yuen Fong Air-Condition Products (HK) Limited        | 圓方空調設備製品(香港)有限公司                         | 2880 5880     | vuenfongaircondition@hotmail.com | •     |
|      | Zenith International Enterprise Ltd                  | 成豐國際企業有限公司                               | 2815 5852     | www.obara.com.bk                 |       |

20.0

CRIM

....







Phenotherm Class '0' RIGID Phenolic Foam Insulation is the **PROFESSIONAL'S CHOICE** for Ductwork & Pipework in HVAC/R System





RIGID INSULATION ensure constant thickness after installation



Sheet Metal Ductwork Insulation



Chilled Water Pipework Insulation Cutted 90° Pipe Elbow Insulation





VARIOUS colour vapour barrier surface (Metal bright/White matt/Black matt etc...) suitable for individual design environment



Pipe & Duct Support Insulation Easy & Fast Installation Load-Bearing Insulation, fit for Various Insulation Apply adhesive + Snap insulation + Seal with Tape & perfect the whole Insulation system



Nina Tower

Year of Completion : 2007





MTR Express Rail Link, West Kowloon Terminus Year of Completion : 2017







Central Mail Centre Year of Completion : 2013



Passenger Clearance Building, Hong Kong Boundary Crossing Facilities, Hong Kong-Zhuhai-Macao Bridge. Year of Completion : 2018

International Financial Centre

Phase I (IFC-1)

Year of Completion : 1998

Liantang / Heung Yuen Wai Boundary Control Point Year of Completion : 2020

\* Major Job Reference

SOLE AGENT/STOCKIST :





Court of Final Appeal, Central Year of Completion : 1996

General Cancer Centre. Prince of Wales Hospital Year of Completion : 1994