



香港空調及冷凍商會有限公司

THE HONG KONG AIR CONDITIONING AND REFRIGERATION ASSOCIATION LIMITED

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Message from the President

Dear Members,

Although the Construction activities in Hong Kong are still at low level, the recent development in Macau provided a lot of opportunities to our members.

Not only the E&M suppliers and contractors gained prospect and benefits from opportunities in Macau, but also the professionals in project management, consultant and construction. This situation creates a strong demand in manpower of handling projects in different levels and aspects. It releases the pressure in unemployment rate in E&M industry in Hong Kong. Otherwise, it will be moved upward while closing to the completion of Disneyland project.

When our members enjoy and excite about opportunities brought from many Casino projects in Macau, we should be very careful about the local regulations and resources in running the E&M Contracts there. Our Association has very good connection and close relationship with the Macau Air-Conditioning & Refrigeration Chamber of Commerce (MARCC).

Should you need any assistance from MARCC, we are pleased to make the introduction.

Best regards to all of you! ◦



K. L. Chan
President

FOCUS

京都條約給我們的反思！

簡介

京都條約已於本年2月16日正式生效，日前已有超過100國家和地區確認，其中中國已是02年的締約國，此外還有歐盟、日本及俄羅斯等。

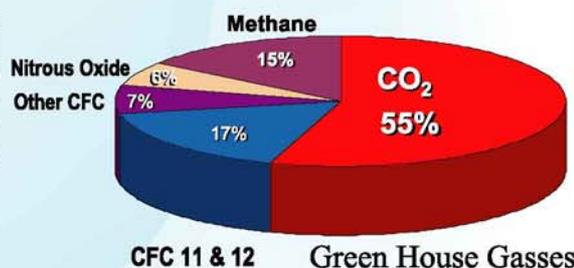
京都條約 (Kyoto Protocol) 的簡歷

背景：根據聯合國研究氣候變化跨政府小組發表的報告指出，全球平均氣溫在1900至1990年間上升0.6度，至2100年將再升5.8度，故有必要限制溫室氣體排放，以遏止全球暖化。

通過時間和地點：聯合國氣候大會於1997年12月在日本京都通過。

目標：在2008年至2012年間，將發達國家的二氧化碳等6種溫室氣體的排放量，在1990年的基礎上平均減少5.2%。

措施：包括提高能源效能、使用新開發和可再生能源及限制溫室效應氣體的排放量。



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溫室氣體配額制

根據《京都議定書》各簽署國訂下廢氣排放量的限額，並引進了工商業界的配額制度，超額國家可向有餘額國家購買排放量。有專家估計，今年全球廢氣量買賣估計達250億港元，至2010年廢氣排放量估計超過3,000億港元，其中一半買賣來自廢氣排放量最多的工業發達國家。

若維持現時排放溫室氣體量，後果嚴重!

據全球氣溫專家表示，地球溫室效應會帶來以下惡果：

1)全球氣溫上升

據英國海軍的紀錄海水溫度自1880年起，已升了0.45°C-0.6°C。隨全球氣溫上升，直至2050年，估計有125萬種生物因全球變暖而滅絕。

2)海水水位上升

若全球氣溫繼續上升，土瓦魯和馬爾代夫等低窪國家會被淹沒，意大利水都威尼斯也可能會淹沒於海中。

3)飲用水源短缺

在海水水位上升的同時，河流及湖泊淡水

的儲存量卻減少，原因是高溫令水份蒸發加快，導致可飲用的潔淨水源減少。

4)疾病橫生

高溫會加速細菌、病毒及寄生蟲的繁殖能力，使人類的免疫力受到更大的威脅。此外，熱浪也可令人更容易患病和死亡。

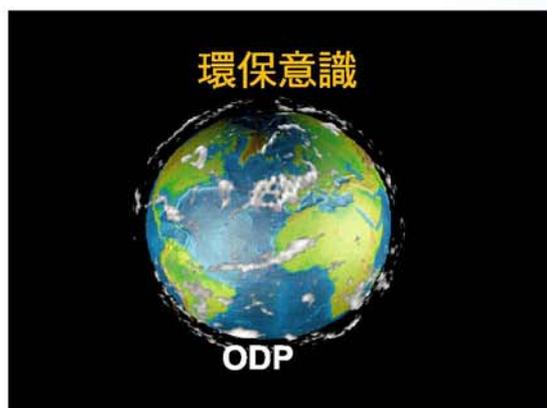
5)農地減少

隨著氣溫上升，潔淨水源減少，植物在缺乏水源下，更要受更多害蟲侵襲，導致全球農地及農作物產量減少。

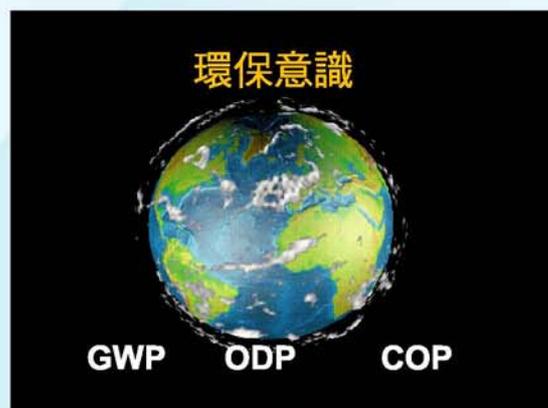
擴闊環保視野

溫室效應帶來的影響之深遠，已超過單是地球臭氧層之破壞的威脅。所以現今頂尖環保專家，已不再單強調減低臭氧層破壞（*Montreal Protocol）之要求，更考慮到溫室效應及節省能源的需要，以達至三方面之平衡。

過去



現在



*Montreal Protocol

蒙特利爾協議一維也納修正案於1992年簽署，內容主要是不同的氣體對臭氧層的影響程度，訂定不同消耗限額。

你知道嗎？

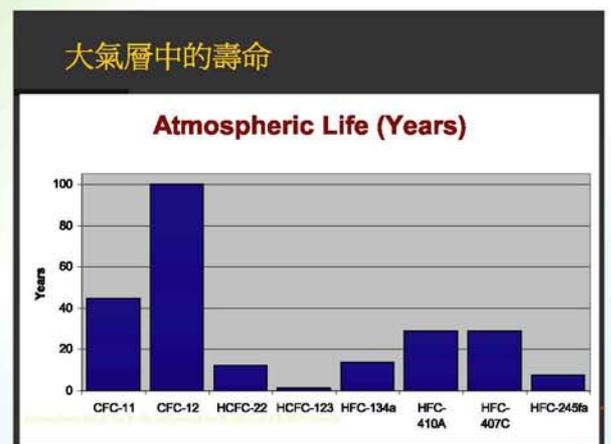
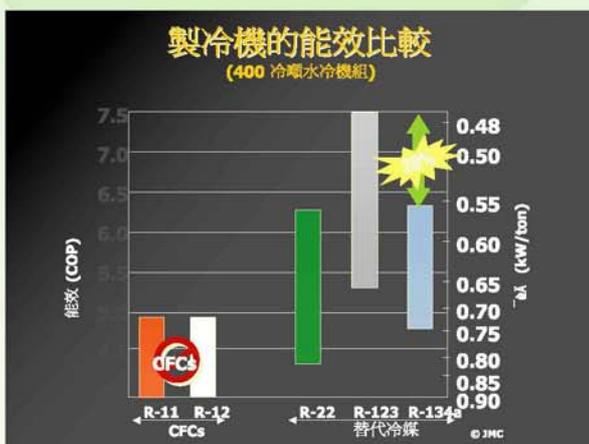
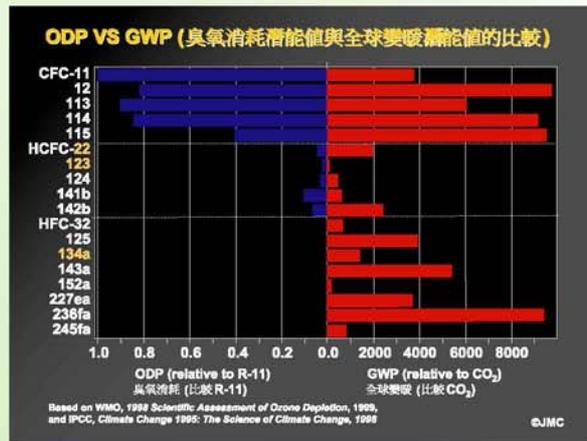
若每一台中央空調機組，由0.56kW/Ton降至0.49kW/Ton（只是0.07kW/Ton之分別）每年發電廠氣體排放量變為：

- 減少140億磅CO₂
- 減少560億克SO₂
- 減少240億克NO_x

這相等於2百萬架車輛的廢氣排放量或4億棵樹的吸氣量啊！



我們身為空調行業的一份子，也要將這全球環保意識帶進我們的行業內。以冷氣機所用的冷媒為例，它們的GWP、ODP、COP及在大氣層中的壽命也有不同，並列如下：



保護環境，空調業界身先士卒

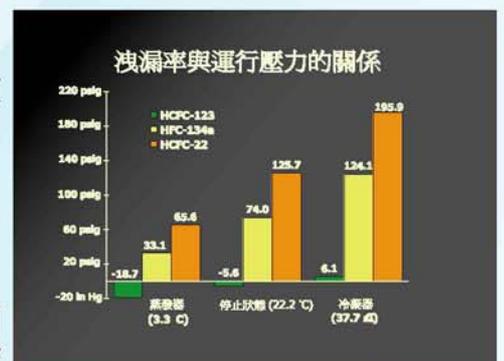
根據政府統計資料，以2000年為例，空調使用佔全港總耗量32%，而非住宅樓宇佔其中72%，而此用量正每年不斷地提升。所以空調的設備可說是一個最大的用電家。因此，我們可以做的是：

1) 減少排放

- 選用密封式的操作系統，能更有效地儲存及操作溫室氣體。
- 盡量選用低壓工作媒體。（因壓力與洩漏往往成正比）

2) 節約用電

- 強調高效率設備的重要性。
- 關掉不須要用時的樓宇機電設備。（不妨多考慮採用先進的樓宇能源自動控制系統，來擔任此重要且繁複的工作吧！）
- 多採用先進慳電設備，例如可變風量的空氣處理機組，水冷式中央空調等。



3) 減少廢物

- 審慎計劃每個工程項目所需要的材料數量，務求物盡其用。
- 先將廢物分類，按照政府環保指引來處理不同類型的廢物。

4) 與時並進的環保概念

- 甄選空調設備所採用之冷媒時，同時考慮GWP、ODP、COP及在大氣層中的壽命之因素。
- 考慮加入採用新開發和可再生能源設計，如燃料電池及太陽能光伏系統等。
- 參與工程項目決策時，將眼光放遠些，設法為我們下一代著想。



The term Market Economy Air Treatment (MEAT) is synonymous with air-conditioning in market complex. Mr KL Chan, Mr Eric Chu, Ms Polly Mui and Mr K.F. Chan of ACRA have the honour of talking with its inventor, Mr Ian AG Phillis.

Mr Phillis was born in a village near Trowbridge, Wiltshire, England. When he was 16, his father brought him to a Mr Earny requesting for an apprenticeship placement. Not only offering him a job in his ventilation and heating fabrication company, Mr Earny 'required' him to go to school 3 nights a week. Ian joined the Royal Air Force in 1953 working on Aircraft Identification - Friend or Foe - electronics. After his military service, he worked with various consultants and contractors in England while studying for his professional qualifications. He also worked in Jordan, Middle East, before arrival at Hong Kong on 1st April 1970. While working here, he established the CIBSE HK Branch and served as the founding chairman. He retired as Chief Engineer of Architectural Services Department on 30th Nov 1990 but has since been occupied by invitations to serve in a number of prominent projects including the United Christian Hospital, the Pamela Youde Eastern Hospital, the new airport, and Wellcome food processing centre in Tseung Kwan O.

Polly: What are your major achievements here?

Ian : *In the mid 1980's, the Urban Council had difficulties in removing hawkers off the streets into their new multi-storey market complexes. One of the reasons being the stuffy environment inside. As there was rental income limitation, full air-conditioning was not yet an option. I designed the MEAT system which cools the air to its dew point consuming minimal energy but helps improving the thermal environment. Hawkers were finally willing to move in. The first building of serious concern was the Centre Street Market. Subsequently, other multi-storey market complexes adopted the same concept.*

My other achievement was the Cultural Centre in Tsim Sha Tsui.

In 1970/71, I worked on the Education TV studio in Broadcast Drive which was inaugurated by Sir David Trench. My last job for Wellcome in Tseung Kwan O included an ammonia refrigeration plant having 5,000kg of refrigerant liquid.

As engineers, we leave behind a lot of things, tangible and visible.

When Ian was working for Mr Earny in the 1940's, they built an exhaust system in a kitchen of the Bristol University. The rooftop outlet was done in copper - that was 55 years ago. Today, the hoods and ducts underneath may have been modified, but the copper outlet is still there.

Eric : Anything you are particularly proud of?

Ian : *Even I am now retired, I like to see young people going into our industry. In particular I am also glad that many young people still regard me as a mentor(*)*

(*) Editor's note: Some of the "young" people Ian mentioned are actually very senior guys in the trade. Certainly Ian has inspired a lot of people to their successes.

Eric : What's the major difficulty you faced working here?

Ian : *The Wellcome project because we had lots of problems, in particular the FSI's. Basically, the red book then was not written for industrial application but people did not understand.*

Eric : Is there any problem regarding cultural difference?

Ian : *I am always happy living in Hong Kong, always feel respected and accepted.*



Eric : What about the Handover?

Ian : *In fact, I find China very accommodating to Hong Kong*

Polly: What's your advice to young practitioners?

Ian : *Building services engineering is a worthwhile profession involving several tiers of expertises, all of which are important and should be relatively seamless with no serious skill gaps. People in the top of the hierarchy should respect front line staff. Those who do not have a chance to go to university should not give up - study and practise - there are always opportunities by increments. New entrants with better academic qualifications should also not be afraid of getting hands dirty - in doing so they could learn something useful and expand their confidence.*

Finally, Ian remarked that contractors in his days could make a reasonable living but it would seem not so today, which is absurd given the boost in living standard. He also told us a very interesting story on domestic sub-contracting:

"Back in the late 1980's, ASD formed a committee looking at the coordination issues in building contracts. I was in that committee. Basically, no definitive conclusion had been agreed before the then Secretary for Works retired, at which point the new Acting Secretary decided not to discuss the matter further and that all BS contracts would henceforth be under ASD by domestic sub-contracting arrangement. Problems for E&M contractors will prevail as long as present day domestic sub-contracting arrangement is here"

Mr Phillis is going to make Malaysia his second home besides Hong Kong. We wish him and his family all the best in the years to come. ◉

Q & A



Mr Ian AG Phillis



豪華國際空調有限公司

H.W. International Air Conditioning Ltd.



豪華國際空調有限公司於1988年在香港成立，並於1990年在中國深圳設立豪華空調製品(深圳)有限公司。同時，先進及設備完善的現代化廠房亦正式投入生產。

本公司業務集設計、生產、銷售、服務於一體。我們擁有多年生產經驗和雄厚的技術，可按客戶要求設計及生產 OEM 空調產品及環保空調系列，而所有產品設計均符合美國供暖製冷及空調工程師學會和美國製冷學會(ARI)標準，我們不斷引入先進技術並維持市場上之優勢。

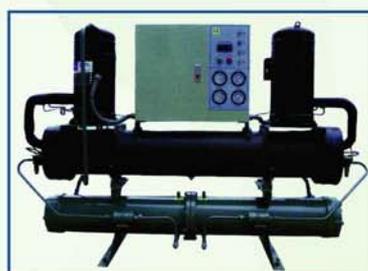
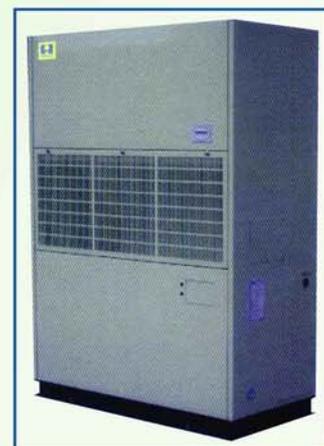
隨著企業的不斷發展，公司於一九九八年五月順利通過了ISO 9001國際認證，嚴格的管理促使產品質量有了進一步提高。

我們是香港製造空調產品最大的供應商之一，同時獲得以下認可及承認：

- 連續15年成為開利(香港)有限公司指定甲級合格供應商
- 獲中國質量檢驗協會頒發合格產品證書
- 中國製冷學會團體會員
- 目前國內空調生產商中唯一通過香港品質保證局(HKQAA)ISO 9001:2000國際認證
- 香港及國內同時於1998年通過 ISO 9001:1994 國際認證
- 香港及國內同時於2003年通過 ISO 9001:2000 國際認證

公司堅信質量是企業的生命，所以公司除了對生產過程進行嚴格質量管理之外，主要原料均從日本、美國等地進口，從而保證產品具有做工精良、噪聲低、耗能少、質量穩定、耐用等優點，深得用戶好評。

公司的主要產品包括：立式冷水風櫃、臥式冷水風櫃、超薄吊頂式冷水風櫃、風機盤管、抽排氣櫃、各種散熱盤管、冷水盤管、直接蒸發盤管、各種水冷、風冷式空調機等。





EMSD Headquarters



Background

An existing Hong Kong Air Cargo Terminal 2 building (HACTL 2), located in Kowloon Bay at the junction of Kai Shing Street and Kai Cheung Road, was converted to a new EMSD Headquarters and Depot in 2004. The modified Headquarter is mainly for Vehicle Workshops from G/F to 5/F and office accommodation on 6/F and 7/F. The gross floor area is 81,800 square meters. The key elements of HVAC systems are summarized as follows:

Energy Efficiency Chiller

Total 1200 Tons of water-cooled ammonia chillers coupling with a 200 Tons icemaker, work in different modes to produce chilled water and slurry ice for the comfort cooling of the entire building. The slurry ice is stored into 5 numbers of 110m³ ice tanks and consumed during the peak cooling load period for reducing the maximum demand. The refrigeration effect of ammonia chiller is almost 9 times greater than R12 refrigerants with zero ozone depletion. Thus, creating an excellent energy efficiency and environmental friendly AC system for this project. To cope with FSD requirement and recommendation for usage ammonia, ammonia detection system, scrubber system and all other required DG licensing provisions are provided inside the mechanical plant room.

Indoor Air Quality

The air distribution for 6/F and 7/F office is using localized ventilation system to deliver conditioned air from underfloor plenum to conditioned space through controllable floor air diffusers. The conditioned air is not like the traditional mixing ventilation system, it is moving upward and not mixing with the room air. The heat and contaminants generated from the heat source are directly removed according to the thermal plume upward movement. Air is returned back to the air-handling unit through the ceiling diffusers. The system has the benefit of displacement ventilation system, which provided improved air acceptability and better indoor air quality.



Water Scrubber for Refrigerant Leakage Protection



Ammonia Chiller



Chiller Plant

Pre-Insulated Pipework and Ductwork

To reduce the scrap material and shorten the installation period, most of the pipework and ductwork were off site prefabricated, pre-insulated and completed with cladding before delivering to site. In order to reduce damage, the exact delivery of the required quantities were according to just in time management and rolling program for each zone. *

Project Summary

Project Site	: EMSD Headquarters, Kowloon Bay
Client	: EMSD
Architect & Engineer	: ASD
HVAC Contractor	: Krueger Engineering (Asia) Ltd.
Total Cooling Capacity	: 1200 RT coupling with 200 RT Slurry Ice Maker
Contract Sum	: Over HK\$80 million
Completion Date	: December 2004

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ACRA Annual Dinner 2004 had been held at Island Shangri-La Hotel on 29 November 2004.



Mr. Yue Chi Hang, JP, Director of Architectural Services Department, honourable guest of Annual Dinner 2004.

A one-day technical visit to Efatar major plants in Shunde on 25 February 2005.



ACRA Spring Dinner 2005 was held at World Trade Centre Club on 28 February 2005. The 1st ACRA Karaoke competition was held during the dinner.



Bowling Competition 2005 was taken place at AMF Amoy Super Bowl on 21 April 2005. Newland Engineering Ltd. is the Champion of this year.

ACRA council members were invited to join the 1st Annual Dinner of Macau Air Conditioning & Refrigeration Chamber of Commerce (MARCC) on 23 April 2005.





ACRA FORTHCOMING Activities

- June: ~ Annual General Meeting
~ Football Competition
 - July: ~ Basketball Competition
 - August: ~ Technical Visit
 - October: ~ Overseas Factory Visit
 - November: ~ Golf Tournament
~ Annual Dinner at JW Marriott
- Hotel



November



ACRA ANNUAL DINNER 2005



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聖備成立四十多年來，在香港、澳門及中國內地為學校、酒店、醫院、政府大廈、銀行、地鐵站和眾多的商業大廈供應保溫建設材料。

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$\mu >= 7000$

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Owens coming Glass wool 玻璃棉保溫 - 美國名牌歐文斯

如對工程報價及Tender Bill有任何查詢，歡迎致電我們公司的銷售部。我們公司資深的銷售員會向客戶提供客戶專業的服務及意見!!!

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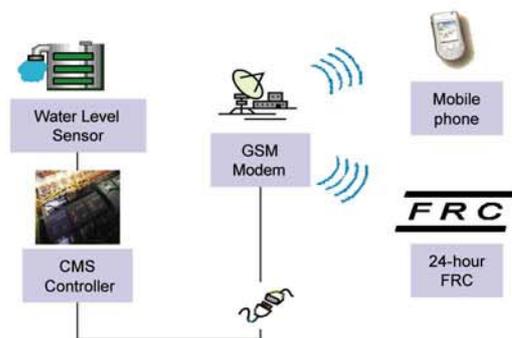
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COMPACT MONITORING SYSTEM (CMS)

If you do not have a full Building Management System, let's consider our Compact Monitoring System.

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YOU focus on your core business

Provide you a clear picture about the **Asset condition**, **System performance**, **Energy consumption** and **Operational performance**

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Johnson Controls Hong Kong Limited
32/F Millennium City 1 Tower 1
388 Kwun Tong Road Kowloon
Tel: (852) 2590 0012
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JOHNSON
CONTROLS

	Company Name	Contact No.	Trade
ACRA Fellow Members	ATAL Engineering Ltd.	安樂工程有限公司 2565 3339	2561 8278 E&M Contracting
	Carrier Hong Kong Ltd.	開利(香港)有限公司 2694 5336	Air-Conditioning Equipment Supplier
	Krueger Engineering (Asia) Ltd.	高維空調工程有限公司 2860 7333	Air-Conditioning, Electrical, Fire Services & Plumbing & Drainage Installation
	Newland Engineering Ltd.	新陸工程有限公司 2967 8620	Supply & Installation, Operation & Maintenance of HVAC & Electrical system
	Ryoden Engineering Co., Ltd.	菱電工程有限公司 2619 8811	E&M Contracting
	Shun Hing Electric Works & Eng. Co., Ltd.	信興電工工程有限公司 2419 5608	2419 8282 Trading and Engineering Contracting
	The Jardine Engineering Corporation, Ltd.	怡和機務有限公司 2807 4550	2807 1717 Contracting / Supplier / Building Automation / Energy Service
	Trane Hong Kong	特靈香港 3128 4764	Air-Conditioning Equipment Supplier
	Winston Air Conditioning & Eng. (HK) Co., Ltd.	永達冷氣工程(香港)有限公司 2764 1200	Contracting
	Young's Engineering Co., Ltd.	景福工程有限公司 2235 1803	2235 1177 Supply & Installation of Electrical & Mechanical Services, Routine Maintenance Work
ACRA Corporate Members	Alliance Contracting Co., Ltd.	聯和承造有限公司 2891 9083	Contracting
	Anpoint Engineering Ltd.	恒邦工程有限公司 2851 1816	E & M Contracting
	Chevalier (HK) Ltd - A/C Division	其士(香港)有限公司 - 冷氣部 2111 4811	Contracting
	Efatar Engineering Co., Ltd.	怡輝冷氣工程有限公司 2606 6922	Trading and Contracting
	Hong Kong Thermo Industries Ltd.	香港冷凍器材有限公司 2674 6876	Trading and Contracting
	Hsin Chong Aster Building Services Ltd.	新昌空件建築字號有限公司 2579 8238	E & M Contracting
	Johnson Controls Hong Kong Ltd.	江森自控香港有限公司 2590 0012	Supply, install & maintain HVAC, Fire Services, E&M, Security & Extra Low Voltage System
	Kervin Engineering Co., Ltd.	樂信工程有限公司 2422 3110	HVAC Contracting E & M Engineering
	K-Thorn Engineering Co. Ltd.	旗鋒工程有限公司 2481 2918	Air-Conditioning & Electrical Installation
	Lee Tack Engineering Company Limited	李德工程有限公司 2305 3111	Contracting
	Linkforce Ltd.	德力有限公司 2116 6528	E & M Contracting
	Lucky Engineering Co., Ltd.	運通冷氣電業有限公司 2780 5285	E & M Contractor
	Meco Engineering Ltd.	荷實工程有限公司 2891 8722	Engineering Contractor
	Quad-Tech Engineering (HK) Co Ltd.	高得工程有限公司 2573 1832	Contracting
	Siemens Ltd.	西門子有限公司 2856 3813	Building Automation AFA, Security, CCTV & ELV System
	Shinryo (Hong Kong) Ltd.	新菱工程香港有限公司 2519 3383	Building Services, E&M Contractor
	Skyforce Engineering Ltd.	天科工程有限公司 2885 1620	Building Services Installation
	Southa Co., Ltd.	南龍有限公司 2963 7225	Supplier of A/C Equipment
	Standard Refrigeration & Engineering Co., Ltd.	立德工程有限公司 2388 1213	Design, supply, installation and Maintenance of MVAC System
Takasago Thermal Engineering Co., Ltd.	高砂熱學工業株式會社 2520 2403	Contracting	
Technicon Engineering Ltd.	得力維工程有限公司 3193 1300	Building Services Design, Installation and Maintenance	
Wang & Lee Contracting Ltd.	宏利營造有限公司 2889 1313	Air-conditioning and Electrical Installation	
Westco Air Conditioning Ltd.	威高冷氣工程有限公司 2426 3123	Contracting	
York International (Northern Asia) Ltd.	約克國際(北亞)有限公司 2331 9286	Manufacture of Air-conditioning equipment	
ACRA Associate Members	A&R Engineering Co., Ltd.	奇樂工程有限公司 2408 2960	Contracting
	ABB (Hong Kong) Ltd.	ABB(香港)有限公司 2929 3838	E&M Contracting, HVAC, Building Services, Power & Control Products
	Air Master International Ltd.	雅士(國際)空調有限公司 2764 0307	Manufacturing of Air Conditioning Equipment & Component
	Air Trade Centre Ltd.	裕風先達有限公司 2887 7000	Trading & Engineering
	Alpha Appliances Ltd.	第一電業有限公司 2529 7555	Supply and Installation of Window Type and Split Type Air-Conditioners
	Armcell Asia Ltd.	阿樂斯亞洲有限公司 2574 8376	Insulation Material Supplier
	Arnhold & Co., Ltd.	安利有限公司 2807 9400	To market and distribute A/C and engineering equipment for building construction industry of HK & China market
	Brightwell Air-Conditioning Ltd.	冠昇空調有限公司 2331 8559	Trading of HVAC Equipment
	Brisky Limited	穿梭科技有限公司 2511 3161	Supply & install window split & packaged VRV systems
	Bun Kee (International) Ltd.	彬記(國際)有限公司 2748 9319	Whole sale
	C.J. Wishing International Ltd.	惠生電業有限公司 2799 9797	Supplier of air-conditioning products - Daikin-Japan, Kimukoh-Japan, Inaba Japan, Taco-USA, etc.
	California Air Limited	加州空業有限公司 2320 7393	General Trading / Sole Agent / Supplier / IAQ Solution Service
	Clean Air Services	堅毅服務 2425 6033	Environmental Protection Services, such Indoor Air Quality Duct Cleaning System
	Clydean Engineering Ltd.	佳電工程有限公司 2332 3591	E & M Contracting
	Crownint Limited	冠殿有限公司 2416 8066	Contracting / Supplier / Building Automation
	D & I Engineering Co Ltd.	思建工程有限公司 2480 3791	Engineering & Trading
	Dah Chong Hong (Engineering) Ltd.	大昌貿易行工程有限公司 2768 3388	HVAC Installation, E&M Packaged Installation
	Dah Fung Service	大豐空調服務 2836 0301	Contracting
	Delta Pyramax Co., Ltd.	佳達科技有限公司 2511 2118	Trading
	Dura Duct International Ltd.	都得國際有限公司 2605 6606	Supply and Installation of Ductworks and Accessories
	Enviro-Tech Engineering Co., Ltd.	鷹達工程有限公司 2827 0688	Trading
	Extensive Trading Co., Ltd.	廣基貿易有限公司 2889 1681	Trading - Mechanical Equipment, Building Materials, Environmental Products
	Fook Loong (HK) Ltd.	福隆(香港)有限公司 2393 7773	Insulation Material Supplier
	Fungs E & M Engineering Co., Ltd.	馮氏機電工程有限公司 2680 7200	E & M Contracting
	Gate Way Airconditioning Ltd.	基法空調有限公司 2688 2686	Supplier (Authorized Dealer of AC Products - Daikin, Toyo, Valmatic, Honeywell-MNG)
	GEC Services (Hong Kong) Ltd.	英國通用工程(香港)有限公司 2123 0888	Contracting
	GELEC (HK) Ltd.	香港通用電器有限公司 2919 8383	Supplier
	Gether-Force Air-Conditioning Engineering Co., Ltd.	群力冷氣工程有限公司 2890 2622	Contracting
	Getwicy Engineers Limited.	佳域工程有限公司 2893 3600	Contracting
	Goodway Electrical Engineering Ltd.	佳濟電業有限公司 2405 0888	Authorized Distributors
	Goodways International Limited	協達國際有限公司 2575 8770	2863 9405 Manufacturer's Representative
	Grand Luck Engineering Limited	輝高工程有限公司 2389 1517	Building Services Contracting
	Hang Shun Engineering Co.	恒信工程公司 2428 8640	Aluminum Cladding for Air Conditioning
	Honest Air Conditioning Ltd.	明發冷氣有限公司 2396 8108	Contracting & Supplier
	H.W. International Air Conditioning Ltd.	豪華國際空調有限公司 2796 8888	Manufacturer of Air Conditioning Equipment
	IES (Hong Kong) Limited	恒豐工程(香港)有限公司 2992 0830	Supply & install central hot water plant and seawater plant, supply of equipment
	Key Industrial and Air-Conditioning (HK) Ltd.	建實工業空調(香港)有限公司 2775 0099	Manufacturer and Distributor of "Key" HVAC Equipment
	Kinden Corporation	2368 6136	Building Services - E & M Works
	Kings View Airconditioning Engineering Co. Ltd.	景匯空調工程修有限公司 2796 2417	HVAC Contracting & Maintenance
	Kingspan China Ltd.	固溫中國有限公司 2814 8457	Manufacture of Phenolic Foam Insulation Products, Supply Composite Wall & Roof Panel & Metal Floor
	Link The Best Company Ltd.	必發(香港)有限公司 2568 4092	Supply Pre-insulated Pipe, Air Filter, Butterfly Valve, Electrostatic Precipitator, UV Sterilizer & Other Building Material
	McQuay Air-Conditioning Ltd.	麥克維爾空調有限公司 2893 6261	Split type A/C, chilled water fan coil unit, water cooled package & split type water source, heat pump chillers product
	Midea Electric (HK) Ltd.	美的電器(香港)有限公司 2376 1229	Supplier & Manufacturer of 'MD' product
	NAP Acoustics (Far East) Ltd.	NAP聲學工程(遠東)有限公司 2866 2886	Design, Supply & Installation of acoustic treatment and vibration control products
	Oxprime (International) Ltd.	鑫輝(國際)有限公司 2590 8088	Pump, Cooling Tower, VAV Box, Vibration Isolators, Dura Duct, Liquid-Solids Separation Systems, Fibreglass supplier
	Peterson Engineering Ltd.	必德信工程有限公司 2365 0372	Contracting
	Practical Engineering (HK) Co., Ltd.	鐵力高工程(香港)有限公司 2402 2772	Contracting / Supplier
Raising Engineering Ltd.	威信工程有限公司 2395 6081	Air Conditioning Contracting	
Rockfield Engineering Ltd.	樂輝工程有限公司 2660 9808	HVAC Installation Sales of Carrier A/C Equipment	
Sanby Trading Co., Ltd.	聖備貿易有限公司 2573 4219	2572 0271 Specializing in trading Construction Insulation Materials, such as Phenolic Foam, Fibreglass	
Shun Hing Ref. A/C Engineering Ltd.	順興雪櫃冷氣工程有限公司 2387 2882	Design, Supply & Installation of Air-Conditioning	
Sing Kin Ltd.	聲建有限公司 2333 1518	Contracting	
Southa Engineering Limited	南龍工程有限公司 2963 7241	Air-Conditioning & Refrigeration Installation	
Thermtch Building Products Ltd.	泛達建築材料有限公司 2756 3837	Contracting / Supplier for Weatherproof / Fire Resistant Materials to E&M Services	
Tom's Equipment Co., Ltd.	壽隆設備有限公司 2757 5539	Insulation Material Supplier	
TUL Asia Ltd.	啟聯亞洲有限公司 2904 2837	Contracting	
Union Manor Ltd.	聯明有限公司 2797 2168	Contracting	
Viewco Building Services & Eng. Co., Ltd.	偉保工程有限公司 2543 0610	Contracting	
Vital Engineering Co., Ltd.	威廉工程有限公司 2571 5382	Contracting	
Wai Luen Air Conditioning Ltd.	偉聯空調設備有限公司 2890 9321	Contracting	
Welcome Oncho Denki Ltd.	偉基通調機電有限公司 2806 8316	Trading of HVAC Equipment	
Wo Kee Hong Ltd.	和記電業有限公司 2522 3128	Supplier of Electric Appliances (Brand Name : Mitsubishi Daiya, LG, GREE, TCL & Body Sonic, etc)	
Wolter Asia Ltd.	華達亞洲有限公司 2456 0198	Supply & Manufacturing of full range of Ventilation Fans	
Wyssermann Co., Ltd.	威士文有限公司 2614 2213	Trading & Manufacturing Air Conditioning Accessories	
Yordland Engineering Ltd.	日島工程有限公司 2362 2186	Design, Supply, Installation and Maintenance of HVAC, Electrical and Fire Services System	