

《第六屆氢能經濟論壇》 THE 6TH HYDROGEN ECONOMY FORUM

Jointly Organized by
(聯合主辦單位):

Strategic Partner:



Supporting Organizations 支持單位:



Date: 29th OCTOBER 2025 (Wednesday)

Time: 10:30 am to 4:00 pm HKT, GMT+8

Mode: In-person + Zoom (Hybrid Mode)

Language: English & Mandarin,
with simultaneous translation

Venue: Seminar Room, Hall 6, ECO Expo Asia 2025
AsiaWorld Expo, Chek Lap Kok, Hong Kong

日期: 2025 年 10 月 29 日 (星期三)

時間: 香港上午 10:30 至 下午 4:00 (GMT+8)

形式: 現場 + 線上 (混合模式)

語言: 英語及普通話,
有即時傳譯

地點: 香港大嶼山赤立角, 亞洲國際博覽館
2025 國際環保博覽 6 號館研討會會場

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- 五位討論小組成員介紹
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1. Forum Rundown 論壇流程

Morning Session Agenda 上午時段議程	
10:30 15 min 分	Welcome Remarks 致歡迎辭 Speaker: Mr Colin TAM , Chairman Hong Kong Association of Energy Service Companies (HAESCO) 發言人：譚兆棟先生，香港能源服務協會 會長
10:45 15 min分	Keynote Address 主題演講 Guest of Honor : Miss Diane WONG J.P. Under Secretary for Environment and Ecology, HKSAR Government 主禮嘉賓：黃淑嫻女士 太平紳士，香港特區政府環境及生態局 副局長
11:00 15 min 分	Group Photos 合影 Group Photo of Guest of Honor, Leaders of Co-organisers, Guest Speakers and VIP Guests 主禮嘉賓，主辦單位領導，演講嘉賓及VIP 嘉賓合照
11:15 20 min分	Topic 1 : Opportunities and Challenges of Hydrogen Energy in the Guangdong-Hong Kong-Macao Greater Bay Area 專題一： 跨越與共贏 - 粵港澳大灣區氫能機遇與挑戰 Speaker: Dr WANG Ziyuan , Vice President China Hydrogen Development and Innovation Alliance for Urban Gas 講者：王子緣博士，中國城市燃氣氫能發展創新聯盟 副理事長
11:35 20 min 分	Topic 2 : TOWNGAS : Pioneering Hydrogen Development in Hong Kong 專題二： 中華煤氣 - 引領香港氫能發展先鋒 Speaker: Ir Edmond FONG , Head of Gas Network Operation & Engineering Construction, The Hong Kong and China Gas Co., Ltd. 講者：方偉文工程師，香港中華煤氣有限公司 燃氣網絡操作及工程建設總監
11:55 20 min 分	Topic 3 : Hydrogen Development in the Environmental Management Industry 專題三：環境管理行業的氫能發展 Speaker: Mr Norman CHENG , Chief Operating Officer, Veolia Hong Kong & Macau 講者: 鄭俊平先生，威立雅香港及澳門 營運總監
12:15 105 min 分	Lunch Break (Self-service at local food stalls) 午餐休息 (場館內食肆自行購買)

Afternoon Session Agenda 下午時段議程

14:00 20 min 分	Topic 4 : Hydrogen-Powered Future: Prospects, Standards, and Safety of Liquid Hydrogen 專題四：《氫動未來-液氫前景與標準、安全》 Speaker: Dr AN Gang, Chief Engineer, Aerospace Hydrogen Technology Co., Ltd. 講者：安剛博士，航天氫能科技有限公司 總工程師
14:20 20 min 分	Topic 5: "Hydrogen" Bridges Guangdong, Hong Kong, and Macao, "Liquid" Innovates the Future 專題五：“氫”聯粵港澳，“液”創未來 Speaker : Ms WANG Zhao, Director, Qingyun research institute of Guofu Hee Group 講者：王朝女士，國富氫能集團氫雲研究院 院長
14:40 20 min 分	Topic 6 : Converting Urban Organic Solid Waste Into Hydrogen 專題六：將城市有機固體廢物轉化為氫氣 Speaker: Professor ZHAO Jun, Associate Professor Department of Biology, Hong Kong Baptist University 講者：趙峻教授，香港浸會大學生物系 副教授
15:00 to 16:00 60 min 分	Panel Discussion 討論環節 Moderator: Dr Kenneth Leung, Director of Sustainability / Net-Zero Office , Hong Kong University of Science & technology 主持人：梁啟明博士，香港科技大學可持續發展及零碳辦公室 處長 Panelists 討論嘉賓： Mr Colin TAM, Member of Council for Carbon Neutrality and Sustainable Development 譚兆棟先生, 碳中和及可持續發展委員會 委員 Dr AN Gang, Chief Engineer, Aerospace Hydrogen Technology Co., Ltd. 安剛博士，航天氫能科技有限公司 總工程師 Mr Patrick COOPER, Alternative Fuels Specialist, Arup 古阿火先生, 替代燃料專家, 奧雅納 Mr Ezra EMERSON, Director, International Business, REFIRE Group 宋澤華先生, 國際業務總監, 重塑集團 Miss Peggy TSANG, Market Area Manager of Hong Kong & Macao, DNV 曾佩琪女士, 香港及澳門市場總經理, DNV

2. Guest of Honor 主禮嘉賓介紹



Miss. Diane Wong, JP

Under Secretary for Environment and Ecology, HKSAR Government

黃淑嫻女士 太平紳士

香港特區政府環境及生態局 副局長

Bio 簡歷

With a distinguished career in the Administrative Service that began in 1985, Miss Diane Wong has cultivated extensive expertise through a wide range of senior postings. She has served critical functions in bureaus and departments responsible for administration, education, transport, housing, health, and social welfare, including district postings in Tsuen Wan and Wong Tai Sin.

Her leadership trajectory advanced with her appointment as Deputy Director of the Food and Environmental Hygiene Department in 2018, culminating in her current role as Under Secretary for Environment and Ecology, which she took up in August 2022. In this position, she has been a key architect of policies addressing air quality, waste management, climate action, and conservation.

Leveraging her deep and diverse experience, Miss Wong currently chairs the **Interdepartmental Working Group on Using Hydrogen as Fuels**, guiding the government's strategic initiative in this emerging field.

自 1985 年加入政務職系，在公共行政領域擁有卓越資歷，歷任多個重要決策局及部門的高級職位。她曾於前市政總署及新界政務署、前教育統籌科、荃灣政務處、前運輸科、前房屋科、黃大仙政務處、前衛生福利科、前房屋規劃及地政局以及前食物及衛生局等機構擔任關鍵職務，積累了廣泛經驗。

她的領導履歷持續提升，於 2018 年獲任命為食物環境衛生署副署長，其後於 2022 年 8 月出任環境及生態局副局長，成為現任該職位的官員。在此崗位上，她主導推動多項重要政策制定，涵蓋空氣質素管理、廢物處理、氣候行動與自然保育等範疇。

憑藉其深厚而多元的公共行政經驗，黃女士目前兼任「**氫能源跨部門工作小組**」主席，負責引領政府在這一新興領域的戰略發展與政策推進。

3. Opening Remarks Speaker 開幕致辭演講者



Mr. Colin TAM, Chairman,
Hong Kong Association of
Energy Service Companies

譚兆棟先生，香港能源服務協會 會長



Bio 簡歷

Colin Tam is a highly accomplished entrepreneur and C-suite executive with over 44 years of international experience across the United States, Asia, and the Middle East. He is currently a developer, strategic advisor, and investor focused on the renewable energy, waste-to-energy, energy conservation, and climate change sectors. His recent appointments highlight his standing in the field, having been named a Member of the Council for Carbon Neutrality and Sustainable Development for the HKSAR Government in 2024. He also serves as the Chairman of the Organizing Committee for the 6th Hydrogen Economy Forum and as the Honorary Founding Advisor of the Hong Kong Hydrogen Alliance (HKH2A).

Mr. Tam's distinguished career is anchored by his success as the co-founder and CEO of two major regional energy companies between 1993 and 2011, both of which were later acquired and listed on the Hong Kong Stock Exchange. Prior to his entrepreneurial ventures, he built a strong foundation in the industry with leadership roles at Air Products and Chemicals Inc. and American Electric Power Inc. in the USA. Today, he continues to shape the energy landscape through his corporate leadership as Chairman and Co-Founder of Crystal Vision Energy Limited, an advisory firm; Executive Chairman of Enerwaste Asia Pacific Limited, a waste-to-energy developer; and Senior Advisor to The Lantau Group, an international energy consultancy.

His commitment to the industry extends beyond the corporate world into significant NGO leadership. He is the Chairman and Co-Founder of both HAESCO (The Hong Kong Association of Energy Service Companies) and the International Power Professionals Forum (iPPf), an international NGO with a global membership. This civic engagement builds on his earlier contributions, which included serving as a Governor and Chairman of the Energy Committee for the Hong Kong American Chamber of Commerce.

譚先生是一位成就卓越的企業家及最高管理層人員，擁有超過 44 年在美國、亞洲及中東的國際經驗。他目前活躍於可再生能源、廢物轉化能源、節能及氣候變化相關領域，擔任項目開發者、戰略顧問及投資者。其近期獲委任的職務彰顯了他在該領域的地位，包括於 2024 年獲委任為香港特別行政區政府碳中和及可持續發展委員會成員。他同時兼任第六屆氫能經濟論壇組織委員會主席及香港氫能聯盟（HKH2A）榮譽創始顧問。

譚先生的卓越職業生涯，奠基於他在 1993 年至 2011 年間作為兩家主要區域能源公司共同創辦人兼行政總裁所取得的成功，這兩家公司其後均被收購並於香港聯合交易所上市。在創辦企業之前，他已在美國的 Air Products and Chemicals Inc. 及 American Electric Power Inc. 擔任領導職位，為其行業生涯奠定了堅實基礎。時至今日，他仍透過企業領導職位持續塑造能源領域的發展：擔任諮詢公司明遠能源有限公司（Crystal Vision Energy Limited）的董事長兼共同創辦人；廢物轉化能源開發商城智循環有限公司（Enerwaste Asia Pacific Limited）的執行董事長；以及國際能源諮詢公司 The Lantau Group 的高級顧問。他對行業的貢獻更延伸至企業領域之外，擔任重要的非政府組織領導職務。他是香港能源服務協會（HAESCO）及擁有全球會員的國際性非政府組織 國際電力專業人士論壇（iPPf）的董事長兼共同創辦人。這份對公共事務的投入延續了他早期的貢獻，包括他曾擔任香港美國商會理事及其能源委員會主席。

3. Six Guest Speakers & Abstract 演講嘉賓介紹及摘要

The 1st Topic Speaker 第一位專題講者



Dr WANG Ziyuan, Vice President,
China Hydrogen Development and
Innovation Alliance for urban Gas

王子緣博士，
中國城市燃氣氫能發展創新聯盟
副理事長



Bio 簡歷

Dr. Ziyuan Wang, Ph.D. in Engineering and an Associate Researcher, serves as President of the Foshan Institute of Environmental and Energy Technology. A specialist in hydrogen energy technology and industrial strategy, he holds multiple influential roles, including Vice Chairman of the China Hydrogen Development and Innovation Alliance for Urban Gas, and Deputy Secretary-General of the Hydrogen Branch of the China Civil Engineering Society. He also contributes as an expert member on committees related to smart energy, metrology, and carbon neutrality in Guangdong, and serves as a technology expert for China Resources Group.

Dr. Wang focuses on research, policy analysis, and development in hydrogen energy, new energy storage, and low-carbon technologies. He has supported the National Energy Administration in studying pathways for the hydrogen industry and has led more than 100 national and local research projects, along with over 40 scientific initiatives. His accomplishments include authoring more than 30 internal reference articles and co-authoring 3 monographs.

王子緣，工學博士，副研究員，佛山環境與能源研究院院長，長期從事氫能技術和產業戰略研究，擔任中國城市燃氣氫能發展創新聯盟副理事長，中國土木工程學會氫能設施與工程分會副秘書長，中國土木工程學會科普專家委員會專家，中國電力技術市場協會綜合智慧能源專家諮詢委員會委員，廣東省氫能產業計量技術委員會副主任委員，廣東省碳達峰碳中和計量技術委員會委員等。近年來致力氫能、新型儲能、低碳節能技術和產業研究、政策分析與制訂等工作，支撐國家能源局氫能產業路徑研究，牽頭完成國家級、省級和地市氫能研究專案 100 餘項、科技專案 40 餘項，發表內參文章 30 餘篇，參編專著 3 部。

Topic 1: Opportunities and Challenges of Hydrogen in the Guangdong-Hong Kong-Macao Greater Bay Area

專題一： 跨越與共贏 - 粵港澳大灣區氫能機遇與挑戰

Speech Abstract: Achieving carbon neutrality before 2050 is a core mission for Hong Kong, and developing the hydrogen energy industry is a key priority clearly outlined in the Chief Executive's 2025 Policy Address. A critical initiative of coordinated development with Guangdong Province is to jointly establish a Hydrogen Corridor in the Guangdong-Hong Kong-Macao Greater Bay Area (GBA).

With its mature and comprehensive industrial chain, Guangdong Province provides large-scale hydrogen supply and industrial support to Hong Kong. Hong Kong, leveraging its diverse application scenarios and its advantage as an international platform, will facilitate the shift of hydrogen technology from "manufacturing" to "practical application." in the GBA. Meanwhile, with its strengths in financial capital, standard certification, and global resource connectivity, Hong Kong helps hydrogen enterprises based in Guangdong access international and high-end markets.

Through the Guangdong-Hong Kong collaboration, the two regions can complement each other in areas such as hydrogen demonstration projects, building green fuel supply chains, integrating industry-academia-research efforts, financial empowerment of the industry, and establishing public coordination mechanisms. This collaboration will position Hong Kong as a strategic pivot to unlock the potential of Guangdong's hydrogen industry, enabling the joint-development an international hydrogen energy hub.

演講摘要： 實現 2050 年前碳中和是香港的核心使命，發展氫能產業更是《2025 年施政報告》明確的重點方向。其中，與廣東省共建粵港澳大灣區氫走廊，是兩地協同發展的關鍵舉措。廣東省以成熟全產業鏈為基，為香港提供規模化氫源供給與產業支撐；香港則以多元化應用場景及國際平台優勢為雙翼，一方面推動大灣區氫能技術從「製造」轉向「應用」落地，另一方面憑金融資本、標準認證及全球資源鏈接能力，為廣東氫能企業打通國際化、高端化通道。藉粵港合作契機，雙方可在氫能示範應用、綠色燃料供應鏈搭建、學產研融合、金融賦能產業、公共協調機制等領域優勢互補，以香港為支點撬動廣東省氫能產業潛力，共建國際化氫能樞紐。

The 2nd Topic Speaker 第二位專題講者



Ir Edmond FONG

Head of Gas Network Operation
& Engineering Construction
The Hong Kong and China Gas Co., Ltd.



方偉文工程師

香港中華煤氣有限公司
燃氣網絡操作及工程建設總監

Bio 簡歷

Ir Fong is a Registered Professional Engineer in Gas and Mechanical disciplines and a Fellow of the Hong Kong Institution of Engineers (HKIE). He is currently the Head of Gas Network Operation and Engineering Construction of the Hong Kong and China Gas Company Limited. He has over 30-year experience in the gas and energy sectors in Hong Kong specializing in the asset management of gas transmission and distribution systems from design, planning, construction, operation and maintenance. He is also the Past Chairperson of the Gas & Energy Division and Past Discipline Representative in Gas of the HKIE.

He is currently the HKIE Council member. He is also a member of Gas Safety Ordinance (Cap.51) Appeal Board Panel under Environment Bureau and the Chairperson of the Hong Hydrogen Alliance.

方工程師是香港工程師學會資深會員，具燃氣及機械專業界別的註冊工程師。現任香港中華煤氣有限公司燃氣網絡操作及工程建設總監，擁有逾三十年燃氣與能源行業經驗涵蓋燃氣輸配系統的設計規劃、施工建設及運營維護的全個資產週期管理。曾擔任香港工程師學會燃氣及能源分部主席和燃氣專業界別代表。

現任香港工程師學會理事會成員，同時兼任環境局《氣體安全條例（第 51 章）》上訴委員會委員及香港氫能聯盟主席。

Topic 2 : **TOWNGAS : Pioneering Hydrogen Development in Hong Kong**

專題二： **中華煤氣 - 引領香港氫能發展先鋒**

Speech Abstract 演講摘要

In recent years, the global pursuit of carbon neutrality has become a critical issue with profound implications for future generations. Hydrogen energy stands out as a promising solution due to its clean nature. Hong Kong, leveraging its unique position of having strong national support while maintaining global connectivity, is ideally positioned not only to adopt these technologies for its own green transformation but also to serve as a demonstration hub for hydrogen and other green technologies for the world.

With over 160 years of experience in town gas and hydrogen operations, Towngas currently produces artificial gas comprising approximately 50% hydrogen. The company possesses a significant infrastructure advantage through its 3,700-kilometer underground pipeline network spanning Hong Kong, enabling a cost-effective solution for hydrogen transmission and supply.

Towngas maintains strong collaborations with a wide range of stakeholders, including government bodies, business organizations, public transport operators, and environmental groups, to advance the implementation of hydrogen energy in Hong Kong.

In partnership with these entities, Towngas is actively involved in multiple hydrogen trial projects. These initiatives, which focus on hydrogen distribution and utilization, have received an agreement-in-principle from the Inter-departmental Working Group on Using Hydrogen as Fuel, led by the Environment and Ecology Bureau. Through these efforts, Towngas is committed to supporting both China's "30-60" dual carbon goals and the Hong Kong Special Administrative Region's 2050 carbon neutrality vision, contributing to a sustainable, low-carbon future.

近年來，全球對碳中和的追求已成為影響未來世代的關鍵議題。氢能因其清潔特性而成為備受矚目的解決方案。香港憑藉其獨特優勢，在獲得國家大力支持的同時保持國際聯通，不僅能採用這些技術實現自身綠色轉型，更可成為面向全球的氢能及其他綠色科技示範基地。

香港中華煤氣有限公司(煤氣公司)擁有超過 160 年燃氣及氢能運營經驗，目前生產的人工煤氣中氫氣含量約佔 50%。該公司透過覆蓋全港、總長達 3,700 公里的地下管網，具備顯著的基礎設施優勢，能夠提供經濟高效的氢能輸送方案。為推進氢能在香港的應用，煤氣公司與政府部門、商業機構、公共運輸運營商及環保團體等廣泛持份者保持緊密合作。透過與這些夥伴協作，公司積極參與多個氢能試驗項目。這些專注於氢能配送與應用的倡議，已獲得由環境及生態局領導的氢能源跨部門工作小組原則上批准。透過這些努力，煤氣公司致力支持國家「30·60」雙碳目標與香港特別行政區 2050 年碳中和願景，共同建設可持續的低碳未來。

The 3rd Special Topic Speaker 第三位專題講者



Mr. Norman CHENG
Chief Operating Officer
Veolia Hong Kong & Macau

鄭俊平先生
威立雅香港及澳門 營運總監



Bio 簡歷

Norman Cheng (BASc, MASc, MBA, FHKIE, RPE, FCIWEM, C.WEM, CEng, CEnv, MHKIQEP) is currently the Chief Operating Officer of Veolia Hong Kong & Macau, responsible for strategic development and operation of the company in the region, including but not limited to water, solid waste, and energy management activities. He has been in the field of environmental engineering for more than 25 years, specializing in the design, build, and operation of water, sewage, sludge, waste, and energy management facilities.

Norman is committed to serving the society, and is an active member in many professional institutions, namely the Hong Kong Institution of Engineers (HKIE), the Chartered Institution of Water and Environmental Management (CIWEM) Hong Kong Branch, and Hong Kong Waste Management Association (HKWMA).

鄭俊平 (BASc, MASc, MBA, FHKIE, RPE, FCIWEM, C.WEM, CEng, CEnv, MHKIQEP) 目前擔任威立雅香港及澳門的營運總監,負責公司在該地區的戰略發展及營運,包括但不限於水、固體廢物和能源管理活動。他在環境工程領域工作了 25 多年,專門從事水、污水、污泥、廢物和能源管理設施的設計、建造和營運。

鄭俊平致力服務社會,是香港工程師學會(HKIE)、香港水務及環境管理學會(CIWEM)、香港廢物管理學會(HKWMA)等多家專業機構的活躍會員。

Topic 3 : Hydrogen Development in the Environmental Management Industry 專題三：環境管理行業的氫能發展

Speech Abstract 演講摘要

Hong Kong's hydrogen development in the environmental management industry is strongly supported by government roadmaps, aiming to achieve carbon neutrality by 2050. Clean hydrogen fuel is expected to play an important role in accomplishing this objective.

While hydrogen fuel regulatory guidance exists and legislative amendments are planned by the government, Veolia would like to accelerate progress by partnering with Towngas to launch Hong Kong's first green hydrogen production project at SENTX landfill. Despite the challenges in the permitting phase, we are in progress with significant achievements, and hope that this pilot trial can kick start green hydrogen development in Hong Kong.

This 330kg/day biogas-to-H₂ plant, as Hong Kong's first commercial-scale green hydrogen production unit, will be launched in Q1 2026. Landfill gas will be converted into hydrogen using a method known as steam methane reforming. Produced green hydrogen will then be provided to downstream users (e.g. vehicles, generators, etc.) for their utilization.

Hydrogen development requires collaborative efforts beyond our capabilities alone. Hong Kong needs to enhance public acceptance of H₂ fuel and increase government economic incentives for hydrogen applications.

Therefore, this presentation will cover the regulation and guidance from the government on hydrogen development, followed by an introduction of the green hydrogen production project at SENTX landfill.

香港在環境管理行業中的氫能發展得到了政府路線圖的大力支持，目標是在 2050 年前實現碳中和。清潔氫燃料在實現這一目標中發揮重要作用。

雖然已有氫燃料相關的監管指導，且政府計劃進行立法修訂，但威立雅希望通過與香港中華煤氣公司合作，在 SENTX 堆填區啟動香港首個綠色氫能生產項目，以加快氫能的總體進展。儘管在審批階段面臨不同的挑戰，我們仍取得了重要進展，並希望這項試點項目能夠推動香港綠氫的發展。

作為香港首個商業規模的綠色氫能生產項目，這座日產 330 公斤的沼氣制氫工廠將於 2026 年第一季度投產。堆填區氣體將通過甲烷蒸汽重整的方法轉化為氫氣，所生產的綠色氫氣將供應給下游用戶（例如車輛、發電機等）使用。

氫能發展需要總體社會的合作努力。香港還需要提升公眾對氫能的接受度，並增加政府對氫能應用的經濟激勵。

因此，本次演講首先會介紹氫能發展的監管及指導，並隨後介紹 SENTX 堆填區的綠色氫能生產項目。

The 4th Special Topic Speaker 第四位專題講者



Dr AN Gang, Chief Engineer,
Aerospace Hydrogen Technology Co., Ltd.

安剛博士，航天氫能科技有限公司 總工程師



Bio 簡歷

The primary focus is on research and development of cryogenic propellant technologies such as liquid hydrogen and methane. Key technological advancements have been made in efficient ortho-para hydrogen conversion, lossless storage of liquid hydrogen, and the production of high-purity methane through LNG cryogenic distillation. Over 50 papers have been published, seven invention patents have been authorized, and one standard for the storage and transportation of liquid hydrogen has been revised under his leadership. He have received the Second Prize for Scientific and Technological Progress from the Ministry of Education and the First Prize for Scientific and Technological Progress from the China Aerospace Science and Technology Corporation. Additionally, he contributed to the compilation of the "11th Five-Year Plan" national-level textbook Refrigeration and Cryogenic Equipment.

Currently, the main focus is on research and development of hydrogen energy technologies and equipment, including hydrogen purification and liquefaction, storage, transportation, and refueling of high-pressure hydrogen and liquid hydrogen, as well as testing of hydrogen energy equipment. In 2010, he developed China's first 70 MPa high-pressure hydrogen storage cylinder filling/discharging fatigue test platform, with a maximum test pressure exceeding 90 MPa. In 2018, they developed China's first 70 MPa high-pressure hydrogen storage cylinder fire test platform, both of which filled domestic gaps. In 2021, he successfully developed China's first helium refrigeration cycle hydrogen liquefaction unit, with a production capacity of 2 tons per day, which was included in the National Energy Administration's Catalog of Major Technical Equipment in the Energy Sector. In 2024, they successfully developed China's first hydrogen refrigeration cycle hydrogen liquefaction unit, with a production capacity of 5 tons per day.

主要专注于液氢、甲烷等低温推进剂技术研发，进行了正仲氢高效转化、液氢无损储存、LNG 低温精馏制备高纯甲烷等关键技术研发。发表论文五十余篇，获发明专利授权七项，主持修订液氢储运标准一项，获得教育部科技进步二等奖一项，航天科技集团科技进步一等奖一项，参与编写“十一五”国家级规划教材《制冷与低温装置》。

目前主要从事氢能技术与装备研发，包括氢气的纯化和液化，高压氢气和液氢的储存、运输与加注，氢能装备检测等。2010 年研制了国内第一套 70MPa 高压储氢气瓶充放氢疲劳试验平台，最高试验压力超过 90MPa，2018 年研制国内第一套 70MPa 高压储氢气瓶火烧试验平台，均填补了国内空白；2021 年研制成功国内首套氦制冷循环氢液化装置，产能 2 吨/天，列入国家能源局能源领域首台（套）重大技术装备目录；2024 年研制成功国内首套氢制冷循环氢液化装置，产能 5 吨/天。

Topic 4: Hydrogen-Powered Future: Prospects, Standards, and Safety of Liquid Hydrogen

專題四：《氫動未來-液氫前景與標準、安全》

Speech Abstract 演講摘要

This presentation is divided into three parts. First, why the development of hydrogen energy cannot proceed without liquid hydrogen. It begins by introducing the basics of liquid hydrogen production and storage, followed by a brief comparison of the advantages and disadvantages of liquid hydrogen versus compressed hydrogen, hydrogen carriers (ammonia, methanol, and organic liquids), and solid-state hydrogen storage. It suggests that the development trajectory of liquid hydrogen is similar to that of LNG and analyzes the pathway for large-scale application of liquid hydrogen under carbon neutrality goals, with particular emphasis on scenarios involving large-scale storage and transportation of liquid hydrogen.

Second, it covers domestic and international standards related to liquid hydrogen, including 32 domestic standards and 26 foreign standards from organizations and regions such as the International Organization for Standardization (ISO), the United States, Russia, the European Union, and Japan, indicating a relatively comprehensive framework of relevant standards. Third, it analyzes the safety of hydrogen and liquid hydrogen from four perspectives: the high diffusivity of hydrogen, testing and type approval of hydrogen equipment, statistics and analysis of hydrogen-related accidents, and safety procedures and steps for hydrogen facilities and hydrogen mobile equipment (such as buses and heavy-duty trucks).

本次演講分為三部分，一是為什麼氫能的发展离不开液氫，首先介绍了液氫制备和液氫儲存基本知识，简要对比了液氫和压缩氢气、含氢介质（氨、甲醇和有机液体）、固态储氢的优缺点，认为液氫的发展路线类似于 LNG，分析了碳中和目标下液氫规模化应用路线，特别介绍了液氫大规模储运场景。二介绍了国内外液氫相关标准，其中国内标准 32 项，国外标准 26 项，包括国际标准化组织 ISO、美国、俄罗斯、欧盟、日本等国家和地区，表明相关标准比较完备。三是从氢的易扩散性、氢能装备检测和型式试验、氢事故统计和原因分析、氢工厂和氢移动装备（公交、重卡）安全流程与步骤等四方面分析氢与液氫的安全性。

The 5th Special Topic Speaker 第五位專題講者



Ms. WANG Zhao,
Director,
Qingyun Research Institute
of Guofu Hee Group



王朝女士，
國富氢能集團氫雲研究院 院長

Bio 簡歷

Senior Engineer, serving as Deputy General Manager of Jiangsu Guofu Hydrogen Energy Technology Equipment Co., Ltd., Dean of the Hydrogen Cloud Research Institute, and General Manager of Guofu Hydrogen Energy (Hong Kong) Investment Co., Ltd. With over 20 years of experience in cryogenic equipment and hydrogen energy equipment, he has long been engaged in technology R&D, industrial planning, scientific management, and the commercialization of technological achievements in these fields.

In recent years, she has participated in and completed multiple national 863 Program projects, national key R&D programs, and several provincial and ministerial-level scientific projects. She has led over 10 research initiatives, including National Key R&D Programs and Jiangsu Provincial Science and Technology Plans. Her accomplishments include publishing 4 academic papers, authorizing more than 50 invention patents and 4 international PCT patents, and contributing to the formulation of 8 national, local, and industry standards. She has also published several core papers and co-authored 4 industry publications, including Liquid Hydrogen Technology and Equipment and Fuel Cell Electric Vehicle Safety Guide.

She has received the Second Prize for Scientific and Technological Progress from the China Machinery Industry Federation and the Second Prize for Scientific and Technological Progress from the Jiangsu Society of Automotive Engineers. His key academic roles include membership in the Jiangsu Provincial Hydrogen Energy Equipment Standardization Technical Committee, the Jiangsu Provincial Metrology Industry Standardization Technical Committee, the Shanghai Municipal Hydrogen Energy Equipment Standardization Technical Committee, and appointment as an expert in the National Energy Administration's Science and Technology Expert Database.

As an expert in the hydrogen energy industry, she actively participates in technical demonstrations, exchanges, and industrial planning discussions for organizations such as the National Development and Reform Commission, the Jiangsu Provincial Department of Science and Technology, the Jiangsu Provincial Department of Industry and Information Technology, and the Yangtze River Delta Technology Innovation Center.

高級工程師，任職江蘇國富氢能技術裝備股份有限公司副總經理、氫雲研究院院長、國富氢能（香港）投資有限公司總經理。長期從事低溫裝備、氢能裝備的技術研發、產業規劃、科技管理和科技成果轉化，具有 20 餘年低溫以及氢能裝備工作經驗。近年來參與完成多項國家 863 計畫、國家重點研發計畫以及多項省部級科技專案，承擔國家重點研發計畫、江蘇省科技計畫等科研專案 10 餘項。已發表學術論文 4 篇，授權發明專利 50 餘項、國際 PCT 專利 4 項，參與編制國家、地方以及團體標準 8 項，發表多篇核心論文，參與出版包括《液氫技術與裝備》、《燃料電池電動汽車安全指南》等行業著作 4 部。獲中國機械工業聯合會科技進步二等獎 1 項、江蘇省汽車工程學會科技進步二等獎 1 項。主要學術兼職包括江蘇省氢能裝備標準化技術委員會委員、江蘇省計量行業標準化技術委員會委員、上海市氢能裝備標準化技術委員會委員、國家能源局科技庫專家等。作為氢能行業專家，參與國家發改委、江蘇省科技廳、省工信廳、長三角技術創新中心等行業技術論證、交流、產業規劃交流等工作。

Topic 5:

"Hydrogen" Bridges Guangdong, Hong Kong, and Macao, "Liquid" Innovates the Future 專題五：“氫”聯粵港澳，“液”創未來

Speech Abstract 演講摘要

As a pioneering provider of hydrogen energy equipment and technological solutions, Guofu Hee Company specializes in the R&D and manufacturing of key equipment spanning the entire liquid hydrogen industry chain. In the realm of liquid hydrogen, the company undertakes systematic research encompassing its physical properties, comparisons with commonly used media, leakage and diffusion characteristics, as well as the current state and future trends of storage and transportation containers. It actively engages in the formulation of domestic standards for product construction and road transportation, while also keeping abreast of standard certification and customs clearance procedures for liquid hydrogen products.

At the solution level, Guofu offers a comprehensive system covering the entire spectrum of liquid hydrogen transmission and utilization, encompassing liquefaction, storage and transportation, refueling, and application, effectively addressing the prevalent challenges in renewable energy transmission. Its practical application equipment encompasses core products such as 20K and 80K cold boxes, liquid hydrogen horizontal tanks, liquid hydrogen plants, liquid hydrogen tank containers, liquid hydrogen refueling units, and liquid hydrogen cylinders. Plans are underway to implement these technologies in green hydrogen energy projects in Sarawak, Malaysia, embodying Guofu's corporate aspiration to propel the development of green hydrogen energy. This endeavor serves as a pivotal reference for Hong Kong's pursuit of green hydrogen development.

国富氢能作为领先的氢能装备与技术解决方案提供商，专注于液氢全产业链关键设备的研发与制造。在液氢方面，该公司围绕液氢的物理性质、与常用介质的对比、泄漏与扩散特性，以及储运容器的现状与发展趋势展开系统研究，并积极参与国内产品建造与道路运输标准的制定，同时关注液氢产品的标准认证及海关出关手续。

在解决方案层面，国富氢能提供覆盖液氢输用全过程的系统路线，包括液化、储运、加注、运输及使用等多个环节，能很好解决当前可再生能源输运问题。其实际应用装备涵盖 20K 和 80K 冷箱、液氢卧罐、液氢工厂、液氢罐箱、液氢加注装置及液氢瓶等核心产品，相关技术计划在马来西亚砂拉越等绿色氢能项目中落地应用，体现了国富氢能推动绿色氢能发展的企业愿景，可为香港发展绿氢提供重要的参考。

The 6th Topic Speaker 第六位專題講者



Professor ZHAO Jun,
Associate Professor,
Department of Biology
Hong Kong Baptist University



趙峻教授，香港浸會大學生物系 副教授

Bio 簡歷

Professor Zhao obtained his Ph.D. degree from Nanyang Technological University, Singapore. His research focuses on environmental catalysis and its application in biomass conversion, biowastes utilization, biorefinery, bioenergy and wastewater treatment, promoting the development of a green, circular economy.

Professor Zhao has achieved a series of technological breakthroughs in biomass resource utilization through groundbreaking research. By developing a one-step strategy and reaction system for crucial upstream and downstream reactions centered around the biomass platform chemical 5-hydroxymethyl furfural, his approach to lignocellulose valorization notably streamlines the reaction process, eliminates the need for intermediate purification and separation, and substantially lowers operational costs.

His work on the treatment of major urban solid waste, such as food waste and sludge, has drawn the attention of the Hong Kong SAR Government. Prof. Zhao has received invitations to provide technical consultation and reports for government departments concerned with wastewater and solid waste treatment, with the expectation to contribute to the local biowaste resource utilization project.

He has published over 90 research papers and has led several research projects on the utilization of biomass resources and clean energy. Professor Zhao is a member of the Chinese Chemical Society, the Chinese Society for Environmental Sciences, and the American Chemical Society. Dr. Zhao serves as a guest editor or editorial board member for journals such as Energy, Ecology and Environmental, Energy Materials, Bioresource Technology, Environmental Pollution, Environmental Technology, Waste Disposal & Sustainable Energy, Engineering Report etc.

As a young scholar with remarkable success in academic achievements, Professor Zhao has been awarded IAAM Scientist Medal by International Association of Advanced Materials (IAAM) in May 2025, recognizing his interdisciplinary contributions to Green and Sustainable Catalysis.

趙教授於新加坡南洋理工大學獲得博士學位。其研究聚焦環境催化及其在生物質轉化、生物廢棄物資源化、生物精煉、生物能源與廢水處理領域的應用，致力推動綠色循環經濟發展。

透過開創性研究，趙教授在生物質資源化利用領域取得了一系列技術突破。針對生物質平台化學品 5-羥甲基糠醛的關鍵上下游反應，他所開發的一步法策略與反應體系，顯著簡化了木質纖維素價值化的反應流程，消除了中間產物純化分離環節，並大幅降低了運營成本。

他在廚餘污泥等城市固體廢棄物處理方面的研究成果，已獲得香港特別行政區政府關注。趙教授應邀為相關政府部門提供廢水與固體廢棄物處理技術諮詢及報告，有望為當地生物廢棄物資源化項目作出貢獻。迄今已發表 90 餘篇研究論文，並主持多項生物質資源與清潔能源利用研究項目。趙教授現為中國化學學會、中國環境科學學會及美國化學會會員，同時擔任《Energy, Ecology and Environmental》、《Energy Materials》、《Bioresource Technology》、《Environmental Pollution》、《Environmental Technology》、《Waste Disposal & Sustainable Energy》、《Engineering Report》等期刊客座編輯或編委。作為成就突出的青年學者，趙教授於 2025 年 5 月榮獲國際先進材料協會頒發的 IAAM 科學家獎章，以表彰其在綠色可持續催化領域的跨學科貢獻。

Topic 6: Converting Urban Organic Solid Waste Into Hydrogen

專題六：將城市有機固體廢物轉化為氫氣

Speech Abstract 演講摘要

With the growing global demand for clean energy and sustainable waste management solutions, the valorization of urban organic solid waste holds significant promise. This presentation will focus on the latest research advancements in efficiently converting urban organic solid waste—especially biomass waste—into high-purity hydrogen using advanced catalytic technologies. The innovative catalytic processes developed by Professor Jun Zhao and his team are designed to address key challenges in conventional hydrogen production methods, such as high energy consumption and low selectivity, thereby achieving a synergy between waste disposal and clean energy generation. The talk will provide an in-depth discussion on the core principles of the technology, the catalyst design strategy, and its pathway from laboratory-scale success to potential industrial application, offering a promising solution for a circular economy model that turns "Waste-to-Hydrogen" in future cities.

隨著全球對清潔能源和可持續廢物管理方案的需求日益迫切，城市有機固體廢物的資源化利用呈現出巨大潛力。本演講將重點介紹利用先進催化技術，將城市有機固廢高效轉化為高純度氫氣的最新研究進展。趙峻教授及其團隊開發的創新催化工藝，旨在解決傳統制氫方法中的高能耗與低選擇性等關鍵挑戰，實現廢物處置與清潔能源生產的協同增效。演講將深入探討該技術的核心原理、催化劑設計策略，並展示其從實驗室到潛在工業化應用的技術路徑，為未來城市實現「廢轉氫」的循環經濟模式提供一個極具前景的解決方案。

5. Panel Discussion Moderator 討論環節主持人



Dr. Kenneth Leung

Director of Sustainability / Net-Zero Office
Hong Kong University of Science & Technology

梁啟明博士

香港科技大學可持續發展及零碳辦公室 處長



香港科技大學
THE HONG KONG
UNIVERSITY OF SCIENCE
AND TECHNOLOGY

Bio 簡歷

Dr Kenneth LEUNG is the Director of Sustainability/Net-Zero Office at the Hong Kong University of Science and Technology. Prior to joining the university, he was the Principal Assistant Secretary (Air Policy) at the Environment and Ecology Bureau and Assistant Director (Air Policy) at the Environmental Protection Department of the Government of the Hong Kong Special Administrative Region.

Dr Leung obtained his PhD in mechanical engineering from Imperial College London and has expertise in combustion science, air quality management, environmental impact assessment, policy formulation relating to climate change, electric vehicles and new energy applications.

梁啟明博士現任香港科技大學可持續發展/淨零辦公室主任。在加入大學之前，他曾擔任香港特別行政區政府環境及生態局首席助理秘書長（空氣政策），以及環境保護署助理署長（空氣政策）。

梁博士畢業於倫敦帝國學院機械工程學系，獲博士學位，專精於燃燒科學、空氣品質管理、環境影響評估，以及與氣候變化、電動車及新能源應用相關的政策制定。

6. Introduction of Five Panelists 五位討論小組成員



Mr. Colin TAM,

Member of Council for Carbon Neutrality
and Sustainable Development, HKSAR

譚兆棟先生，香港特區政府 碳中和及可持續發展委員會 委員



Dr. AN Gang, Chief Engineer

Aerospace Hydrogen Technology Co., Ltd.

安剛博士，航天氫能科技有限公司 總工程師





Mr. Patrick COOPER
Alternative Fuels Specialist, Arup

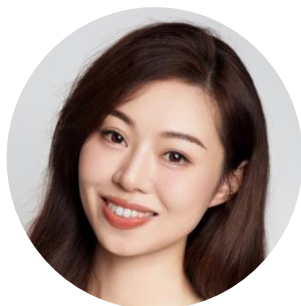
古阿火先生, 替代燃料專家, 奧雅納

ARUP



Mr. Ezra EMERSON
Director, International Business
REFIRE Group

宋澤華先生, 國際業務總監, 重塑集團



Miss. Peggy TSANG
Market Area Manager of
Hong Kong & Macao, DNV

曾佩琪女士
香港及澳門市場總經理, DNV



7. HEF6 Co-Organizers 六個聯合主辦機構介紹



Ir Dr the Hon LO Wai Kwok
(盧偉國議員 博士 工程師) GBS, MH, JP

香港綠色策略聯盟主席
Chairman, Hong Kong Green Strategy Alliance



盧偉國博士工程師是香港地質學協會主席，並於 2007/08 年擔任香港工程師學會會長。盧博士目前是香港特別行政區立法會議員，代表工程界功能界別。他亦擔任香港工商專業聯盟主席、香港品質保證局名譽主席、西九文化區管理局委員、香港機場管理局董事局成員及香港專業及高級行政人員協會前會長等。他在沙田擔任區議員多年。他的專業知識和服務領域涵蓋基礎設施、城市規劃、環境、住房、科技、工業、教育和社區服務等。

Ir Dr the Hon Lo Wai Kwok is Chairman of HKGSA and was also the President of the Hong Kong Institution of Engineers in 2007/08. WK is currently Member of the Legislative Council of the Hong Kong Special Administrative Region, representing the Engineering Functional Constituency. He also serves as Chairman of the Business and Professionals Alliance of Hong Kong, Honorary Chairman of the Hong Kong Quality Assurance Agency, member of the West Kowloon Cultural District Authority, member of the Board of Directors of the Airport Authority Hong Kong and Past President of the Hong Kong Professionals and Senior Executives Association, etc. He was Sha Tin District Councilor for many years. His expertise and areas of services cover infrastructure, town planning, environment, housing, technology, industry, education and community service, etc.

About Hong Kong Green Strategy Alliance

www.hkgsa.org

香港綠色策略聯盟（HKGSA）由一群熱心熱誠的環保專業人士於 2012 年成立，是一個非牟利組織，也是根據香港法例第 151 章《社團條例》註冊的社團。香港綠色服務協會的主題是「網路策略，共產未來」。香港綠色服務協會一直積極透過立法會、公共媒體和其他管道表達意見，並與本地和國際專業機構合作舉辦研討會和會議，以期建立強大的網路和知識共享平臺。請訪問我們的 www.hkgsa.org 瞭解有關我們眾多激動人心的活動和活動的更多詳細資訊，以及有關如何免費加入我們的“會員”部分。

Formed by a group of dedicated and enthusiastic environmental professionals in 2012, the Hong Kong Green Strategy Alliance (HKGSA) is a not-for-profit organization, and a Society registered under the Societies Ordinance under Cap. 151 of the Laws of Hong Kong. The Theme of HKGSA is "綠色策略，共創未來". HKGSA has been highly active in expressing its views and opinions via LegCo, public media and other channels, as well as joining hands with local and international professional counterparts in organizing seminars and conferences, with an aim to establish a strong platform for networking and knowledge-sharing. Please visit us at www.hkgsa.org for more details of our numerous exciting events and functions, and our "Membership" section on how to join us, free of charge.



Mr. Colin TAM (譚兆棟 先生)
香港能源服務協會會長



Chairman
Hong Kong Association of Energy Services Companies

譚兆棟先生在美國、亞洲和中東擁有超過 44 年的企業家和國際公司高管經驗。他是兩個非政府組織 HAESCO 和 IPPF 的現任主席。譚先生是兩家成功的區域能源公司的創始人兼首席執行官，這些公司現在由新擁有者在香港證券交易所上市。現在，他是以下行業的活躍開發人員、戰略顧問和投資者：可再生能源、廢物轉化為能源和清潔/低碳技術。他在相關企業、政府和金融部門保持著廣泛的聯繫網路。他曾是香港美國商會董事會成員和中國投資協會（AIC）專家委員會委員。

Colin Tam has over 44 years of experience in the USA, Asia, and Middle East as an entrepreneur and C-Suite executive of international companies. He is the current chairman of two NGOs, HAESCO and IPPF. Colin was the founder and CEO of two successful regional energy companies which are now listed on the HK Stock Exchange by their new owners. Now, he is an active developer, strategic advisor, and investor in the following industries: renewable energy, waste to energy, and clean/low carbon technologies. He maintains an extensive network of contacts in the related business, government, and financial sectors. He was a member of the AMCHAM (HK) board and the Expert Committee of the China Investment Association (AIC).

關於香港能源服務協會

香港能源服務協會（HAESCO）成立於 2008 年 1 月，是一個專業的非牟利貿易組織，總部設在香港。港亞專業會計師事務所非常重視使協會成為最廣泛的市場參與者的家園，我們的會員包括能源及低碳領域的廣泛專家，包括能源及低碳行業、法律顧問、促進者、顧問、融資人和保險公司。我們的目標是通過促進組織利用提高能源效率和應用清潔技術的優勢，實現一個更宜居的亞洲。我們將增加資源和機會，讓香港企業在亞洲各地開展清潔生產和能源效益專案。

About Hong Kong Association of Energy Services Companies

www.haesco.org

The Hong Kong Association of Energy Service Companies (HAESCO) was founded in January 2008, and is a professional non-profit trade organization with its headquarters in Hong Kong. HAESCO places a high priority on making the association a home for the broadest spectrum of market participants, our membership includes a wide range of specialists from the energy and low carbon sector, including ESCO's, legal advisers, facilitators, consultants, financiers, and insurers. We aim to bring about a more livable Asia by facilitating organizations to leverage the advantages of increased energy efficiency and the application of clean technologies. We will increase the resources and opportunities for Hong Kong-based businesses to carry out clean production and energy efficiency projects throughout Asia.



Ir Prof Daniel M. CHENG
(鄭文聰 教授 工程師)
正高工 BBS, MH, JP

香港環保產業協會會長

President

Hong Kong Environmental Industry Association



**Hong Kong Environmental
Industry Association**
香港環保產業協會

鄭文聰教授、工程師 BBS, MH, JP 是正昌科技（集團）有限公司董事總經理、香港工業總會榮譽會長、香港環境工業協會會長、商界環保協會董事局成員、香港綠色策略聯盟副主席、香港交易所諮詢委員會委員。他亦是香港特別行政區政府創新及策略發展顧問團成員、創新、科技及再工業化委員會委員、回收基金諮詢委員會委員。推廣電動車督導委員會委員。

鄭教授曾任水務諮詢委員會委員（2016 - 2020 年）、香港貿易發展局理事會成員（2013 - 2017 年）、香港生產力促進局委員（2009 - 2015 年）和職業訓練局委員（2011 - 2015 年），他還是香港工業總會主席（2015 - 2017 年）和香港廢物管理協會前任主席（2000 - 2001 年）。

自 2015 年 7 月起，香港理工大學任命鄭教授為實務教授（管理）。香港大學（HKU）於 2016 年至 2019 年任命鄭教授為榮譽教授，目前為工業及製造系統工程學系客座教授，以表彰他在學術和工業方面的持續貢獻。鄭教授是香港工程師學會資深會員，也是註冊專業工程師。鄭教授於 1981 年畢業於美國加州州立理工大學工業工程系。2014 年 2 月，鄭教授被加州理工大學波莫納分校選為“名人堂”，成為 75 周年紀念日的首位亞洲入選者。

Ir Professor Daniel M. Cheng BBS, MH, JP is the Managing Director of Dunwell Technology (Holdings) Ltd., he is the Honorary President of Federation of Hong Kong Industries and the President of Hong Kong Environmental Industries Association, Board member of Business Environment Council and Deputy Chairman of Hong Kong Green Strategy Alliance, Member of HKX Advisory Committee. For HKSAR Government, he is also serving as Member of The Chief Executive's Council of Advisers on Innovation and Strategic Development, Member of the Committee on Innovation, Technology and Re-industrialization, Member of Advisory Committee on Recycling Fund. Member of the Steering Committee on the Promotion of Electric Vehicles.

Prof Cheng was the member of Advisory Committee on Water Supplies (Yr 2016 - 2020), the Council Member of Hong Kong Trade Development Council (Yr 2013 - 2017), the member of Hong Kong Productivity Council (Yr 2009 - 2015) and Vocational Training Council (Yr 2011 - 2015), he was also the Chairman of Federation of Hong Kong Industries (Yr 2015 - 2017) and Past Chairman of Hong Kong Waste Management Association (Yr 2000 - 2001).

Since July 2015, Hong Kong Polytechnic University appointed Prof Cheng as Professor of Practice (Management). The University of Hong Kong (HKU) appointed Prof Cheng as Honorary Professor from Yr 2016 - 2019 and currently Adjunct Professor in the Department of Industrial and Manufacturing Systems Engineering to recognize his continue academic and industrial contribution. Prof Cheng is a Fellow of Hong Kong Institute of Engineers and also Registered Professional Engineer. Prof Cheng graduated from California State Polytechnic University, Pomona, U.S.A. Department of Industrial Engineering in 1981. In February 2014, Prof Cheng was inducted into the "Hall of Fame" by the California Polytechnic University-Pomona, as the first Asian Inductee in the 75th Anniversary.

關於香港環保產業協會

自成立以來，香港環保產業協會一直致力於促進香港環境產業的利益和競爭力，以及在香港、中國大陸和海外的環保公司、政府機構、環境相關企業和組織之間建立和維護更好的協調和溝通。目標是：

1. 制定短期及長期策略及行動計劃，將香港業務擴展至環境相關行業；2. 促進與香港、中國大陸和海外潛在合作夥伴的業務和技術合作；與香港、中國大陸和海外的環境相關行業建立緊密的網路和關係；3. 進行市場調查並建立與環境相關行業相關的資料庫；4. 促進會員之間的溝通、互動和合作，並與政府機構、工業或貿易組織建立聯繫並傳達集體意見；5. 為利益服務、建立聲譽、制定行業特定做法和標準，以及推廣香港環境相關行業的形象和能力；以及 6. 協助提升行業的技術、工程和管理技能，以提高其績效並增強其在國際市場上的競爭力。

About Hong Kong Environmental Industry Association

www.hkenvia.org

Since its establishment, Hong Kong Environmental Industry Association is dedicated to facilitating the interests and competitiveness of Hong Kong environmental industry, as well as build and maintain a better coordination and communication between environmental companies, government agencies, environmental-related business and organizations in Hong Kong, Mainland China and Overseas. The objectives of HKEnvIA are: 1.To formulate short- and long-term strategies and action plans to expand Hong Kong's business into environment-related industry; 2. To promote business and technical co-operation with potential partners in Hong Kong, Mainland China and overseas; To develop close network and relationship with the environment-related industries in Hong Kong, Mainland China and overseas; 3. To conduct market research and to establish databases related to environment-related industry; 4.To foster the communication, interaction and co-operation among members and to establish liaison with and convey the collective opinions to government bodies, industrial or trade organizations; 5. To serve the interest, build up the reputation, develop industry specific practices and standards, and promote the image and capabilities of Hong Kong's environment-related industry; and 6.To assist in upgrading the technology, engineering, and management skills of the industry so as to improve its performance and enhance its competitiveness in the international market.



Mr. Simon NG (吳家穎 先生)
商界環保協會行政總裁

Chief Executive Officer
Business Environmental Council



Mr. Simon Ng is Chief Executive Officer of Business Environment Council. He has over 25 years of experience in academic and policy research, project management and stakeholder engagement. In particular, Mr. Ng is known for his ground-breaking work on ship emissions inventory and evidence-based control policy in Hong Kong and the Pearl River Delta, and his instrumental role in the Fair Winds Charter – a voluntary business initiative to reduce ship emissions. Before taking the CEO position, Mr. Ng was BEC's Director of Policy & Research for 3 years. Prior to joining BEC, he was Chief Research Officer of a Hong Kong based think tank, and held teaching and research positions in several local universities. Currently, Mr. Ng is a Member of the Advisory Council on the Environment, the Harbourfront Commission, the Lantau Development Advisory Committee, and the Advisory Committee on the Northern Metropolis of the Hong Kong SAR Government. Internationally, Mr Ng has been an Expert Member of the UNCRD Regional Environmentally Sustainable Transport Forum in Asia since 2006.

吳家穎先生是商界環保協會行政總裁。吳先生從事學術及政策研究、項目管理及持分者參與工作超過 25 年。其中，吳先生在香港和珠江三角洲船舶排放清單及管控政策方面作出了突破性的研究，並主力促成由航運業界牽頭、推動船舶自願減排的「乘風約章」而為人所認識。出任商界環保協會行政總裁之前，吳先生是協會的政策及研究總監。加入協會之前，吳先生曾在一所香港智庫出任研究總監一職，亦在多間本地大學從事教學及研究工作。吳先生現任香港特區政府環境諮詢委員會、海濱事務委員會、大嶼山發展諮詢委員會及北部都會區諮詢委員會委員，亦自 2006 年起出任聯合國區域發展中心亞洲環境可持續交通區域論壇的專家組成員。

About Business Environment Council

www.bec.org.hk

Business Environment Council Limited (BEC) is an independent, non-profit membership organization, established by the business sector in Hong Kong. BEC is also a tax-exempt charitable organization under Section 88 of the Inland Revenue Ordinance (Cap 112). Since its establishment in 1992, BEC has been at the forefront of promoting environmental excellence by advocating the uptake of clean technologies and practices which reduce waste, conserve resources, prevent pollution and improve corporate environmental and social responsibility. BEC offers sustainable solutions and professional services covering advisory, research, assessment, training and award programmes for government, business and the community, thus enabling environmental protection and contributing to the transition to a net-zero economy.

關於商界環保協會

商界環保協會有限公司（BEC）是一個獨立的非牟利會員組織，由香港商界成立。根據《稅務條例》（第 112 章）第 88 條，BEC 也是免稅慈善組織。自 1992 年成立以來，BEC 一直走在促進卓越環境的最前沿，倡導採用清潔技術和實踐，以減少浪費、節約資源、防止污染並改善企業環境和社會責任。BEC 為政府、企業和社區提供可持續的解決方案和專業服務，包括諮詢、研究、評估、培訓和獎勵計劃，從而促進環境保護併為轉型做出貢獻實現淨零碳經濟。



Mr. Johnny CHONG (莊寧 先生)
Chairman, S.T.A.R.S. Foundation



S.T.A.R.S. FOUNDATION
可持續科技研策基金會

可持續科技研策基金會 會長

從 2010 年開始，莊寧先生接受了華威大學的工程師培訓，以組織資源以合乎邏輯、有效地解決問題，並參與技術轉讓、商業模式開發、併購和 IPO 諮詢，以發現與全球合作夥伴的創新技術融合，並提供商業上可行的解決方案。從事半導體材料研發 15 年，專業為光化學半導體製造，涉及日本新能源發電廠等新材料、量子點應用、生物柴油等領域。莊先生自 2010 年起擔任可持續科技研策基金會的創始主席，該基金會為國際非政府組織，專注於發展技術轉移及創新技術整合，並提供商業上可行的商業模式。他曾在北京、香港、英國和以色列發表演講，如 2010 年上海世博會倫敦館、2010 年釣魚臺國賓館低碳經濟論壇等。

Trained as engineer from The University of Warwick to organize resources to solve problems logically, effectively and being involved in technology transfer, business model development, M&A and IPO consultancy from year 2010, to discover innovative technology fusion with global partners and deliver commercially viable solutions. Engaging in the research and development of semiconductor materials for 15 years, he is specialty is photochemical semiconductor manufacturing, involving new materials, quantum dot applications, biodiesel and other fields such as new energy power plants in Japan. Mr. Chong is currently the founding chairman of S.T.A.R.S. Foundation (可持續科技研策基金會) since 2010, an international non-government organization which focuses in developing technological transfer and innovative technology integration and providing commercially viable business model. He has been giving speeches in Beijing, Hong Kong, UK and Israel, such as 2010 Shanghai World Expo London Pavilion (上海世博會倫敦館), 2010 Low-Carbon Economy Forum in Diaoyutai State Guesthouse (釣魚台國賓館).

關於 S.T.A.R.S. 基金會

S.T.A.R.S. 基金會代表 Sustainable-development Technology-fusion , Application-Cultivation Research-integrated Strategic-advancement. 本著可持續發展的原則，S.T.A.R.S. 基金會支援和指導來自世界各地的尖端科技公司在 STARS 的創新平臺上加速發展。STARS 基金會的成立是為了協助科學研究人員和創新者通過商業上可行的流程和產品來廣泛採用可持續發展，以產生社會影響和聯合國可持續發展目標。

About S.T.A.R.S. Foundation

www.starsf.org

S.T.A.R.S. Foundation stands for Sustainable-development Technology-fusion Application-cultivation Research-integration Strategic-advancement. With the principles of sustainable development, S.T.A.R.S. Foundation supports and guides cutting-edge technology companies from all over the world to accelerate their growth on STARS' innovative platform. STARS Foundation was formed to assist science researchers and innovators to bring about the widespread adoption of sustainable development via commercially viable processes and products for social impact and United Nations Sustainable Development Goals.



方偉文工程師
Ir Edmond FONG Wai Man

香港氫能聯盟主席
Chairman of Hong Kong Hydrogen Alliance



方工程師是註冊專業工程師和香港工程師學會（HKIE）的資深會員。在香港燃氣及能源行業擁有逾 30 年經驗，現為香港中華煤氣有限公司之總經理 - 輸電業務 / 航空燃料設施業務。他一直回饋社會，在公共服務中擔任多項職務，例如《氣體安全條例》（第 51 章）上訴委員團和元朗區消防安全委員會。他目前是香港工程師學會理事會成員和香港氫能聯盟主席。

Ir Fong is a Registered Professional Engineer and a Fellow of the Hong Kong Institution of Engineers (HKIE). He has over 30-year experience in the gas and energy sectors in Hong Kong and is currently the General Manager – Transmission Operation / Aviation Fuel Facility Business of the Hong Kong and China Gas Company Limited. He has been contributing to the community by taking up various roles in public services such as Gas Safety Ordinance (Cap.51) Appeal Board Panel and the District Fire Safety Committee (Yuen Long). He is currently the HKIE Council member and the Chairperson of the Hong Kong Hydrogen Alliance.

關於香港氫能聯盟

成立於 2024 年一月，為非牟利機構。致力於推動香港氫能經濟的發展、代表業界與政府溝通、建立國內、國際交流平台、加強專業人員嘅培訓。創會主席單位：香港中華煤氣有限公司。創會副主席單位：中石化香港，威立雅。創會企業會員：城智循環有限公司、林德港養、奧雅納、TUV 萊恩、中華廠商會檢測、中集安瑞科。

About Hong Kong Hydrogen Alliance

Founded in January 2024, it is a non-profit organization. It is committed to promoting the development of Hong Kong's hydrogen economy, communicating with the government on behalf of the industry, establishing a platform for domestic and international exchanges, and strengthening the training of professionals. Founding Chairman: The Hong Kong and China Gas Company Limited. Founding Vice-Chairman Units: Sinopec Hong Kong, VEOLIA. Founding Corporate Members: EnerWaste, Linde HKO、ARUP, TUV Rheinland, SGS, CMA Testing, CIMC Enric.

8. HEF6 Organizing Committee 籌委會成員

Chairman:	Mr. Colin TAM	譚兆棟先生 (HAESCO)
Honorary Advisor:	Ir Prof Daniel CHENG	鄭文聰教授 (HKEnvIA)
Members:	Ir Louis CHAN	陳景豪先生 (HKGSA)
	Ir Edmond FONG	方偉文先生 (HKH2A)
	Mr. Merlin LAO	劉敏智先生 (BEC)
	Mr. Joshua CHAK	翟文浩先生 (STARSF)
Honorary Secretary:	Mr. Peter HO	何基章先生 (HAESCO)