

ANNUAL SEMINAR AND ANNUAL DINNER 2023

1 JUNE 2023

GRAND BALLROOM, ROYAL PLAZA HOTEL



THE HONG KONG
INSTITUTION OF ENGINEERS

香港工程師學會

Young Members Committee

青年會員事務委員會

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**YOUNG MEMBERS COMMITTEE
THE HONG KONG INSTITUTION OF ENGINEERS**

PROGRAMME

19:15	Registration
19:30	Annual Seminar & Annual Dinner Commence
19:45	Welcome Speech by Mr. Thomas LAM Chairman of HKIE Young Members Committee
19:55	Annual Seminar by Guest of Honour Dr. Ricky CHIU Recipient of 2022 Ten Outstanding Young Persons of the World <i>Founder & CEO of PHASE Scientific International Limited</i>
20:55	Performance
21:15	Lucky Draw - Part I
21:30	Presentation of Outstanding Helper Awards
21:40	Presentation of Best Reporter Awards
21:50	Toasting and Vote of Thanks
22:15	Lucky Draw - Part II
22:30	End of Annual Dinner

GUEST OF HONOUR



Ricky CHIU, Ph.D.

**Recipient of 2022 Ten Outstanding
Young Persons of the World**

Chairman & CEO

PHASE Scientific International Limited

Dr. Ricky Chiu is the Chairman and CEO of PHASE Scientific International Limited, as well as the lead inventor of the company's core technology. He has been awarded the Ten Outstanding Young Persons of the World, the Ten Outstanding of Young Persons in Hong Kong, Young Industrialist Award of Hong Kong, Innoprenuer Award, InnoStars Award, and the HKSAR Chief Executive's Commendation for Community Service for his outstanding research achievements in biotechnology innovations and his notable contributions to the fight against COVID-19 pandemic.

As a leading innovator in the field of biotechnology, Dr Chiu has made significant breakthroughs and developments in the fields of liquid biopsy and point-of-care testing using the proprietary sample preparation technology he developed. With more than 36 patents granted, his proprietary technology provides an innovative solution to the problem of low-concentration target molecule detection, making diagnostic testing faster, more accurate and more cost-effective.

Dr. Chiu is among the few who have received recognition in both the West and the East. From receiving research funding from world-renowned entities and FDA approval to his high-efficiency COVID-19 RNA extraction technology being designated as a "Major Technology" by the Ministry of Science and Technology of China, his inventions have positioned him as a changemaker who can uniquely straddle both worlds. He is also an adjunct associate professor at Chinese University of Hong Kong's School of Biomedical Sciences, and is fully committed to grooming younger talents and firmly believes in empowering the next generation to create a positive impact on the world.

ANNUAL SEMINAR

From Scientist to Entrepreneur: The Road to Innovation Success

A visionary biotech innovator and entrepreneur, Dr Ricky Chiu invented a proprietary technology that not only makes diagnostic tools faster and easier to use, but also more accurate and affordable. This novel technology can be used on a wide range applications, from cancer diagnostics to point-of-care testing for infectious diseases. Using this technology during the COVID-19 pandemic, he was able to quickly develop a series of COVID-19 diagnostic products, including the INDICAID® COVID-19 Rapid Antigen Test which was the first in the Greater China to have obtained the US FDA emergency use authorisation. Approved by some other health departments and associations around the world, this test has been used to help prevent and control the spread of the COVID-19 virus here in Hong Kong and over 30 other countries, and became a Hong Kong success story.

Having been named the Ten Outstanding Young Persons of the World, Dr Chiu strives to inspire young engineers and scientists to contribute positively to the world by transforming their innovative ideas into practical applications. From the talk, you will gain insight into how a scientist's dream can become a reality, as well as some useful tips for becoming a successful entrepreneur.



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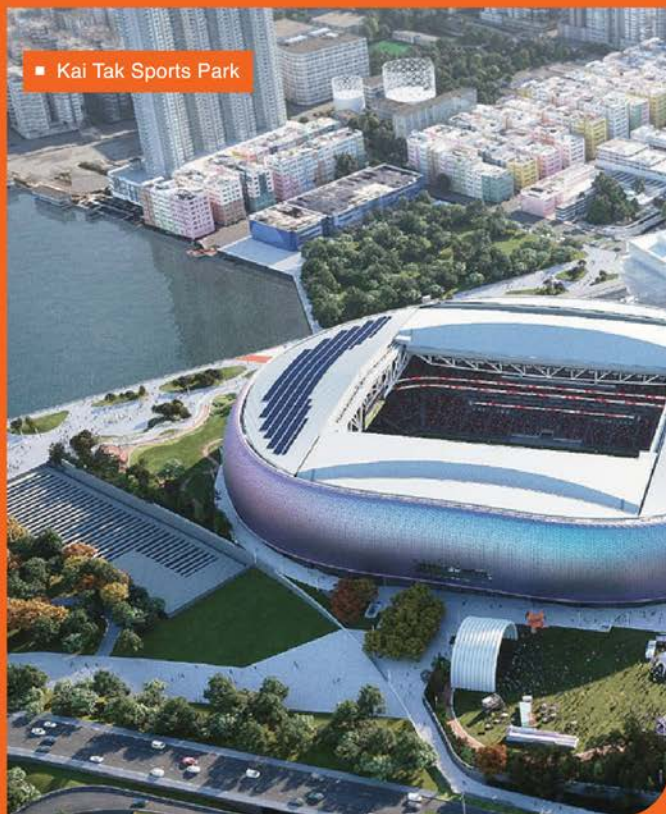
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市政行業道路工程專業乙級資質
市政行業橋樑工程專業乙級資質

香港：

香港九龍尖沙咀梳士巴利道3號
星光行19樓1908至1909室
深圳： 深圳市南山區太子路111號
深圳自貿中心15樓H室

深圳：

HKIE SCHEME A

Tel: (852) 3491 5918
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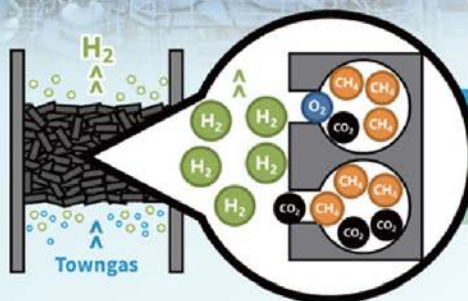
Towngas is composed of
~50% Hydrogen

Towngas Composition (average value)

H₂ ~49%

CH₄ ~29%

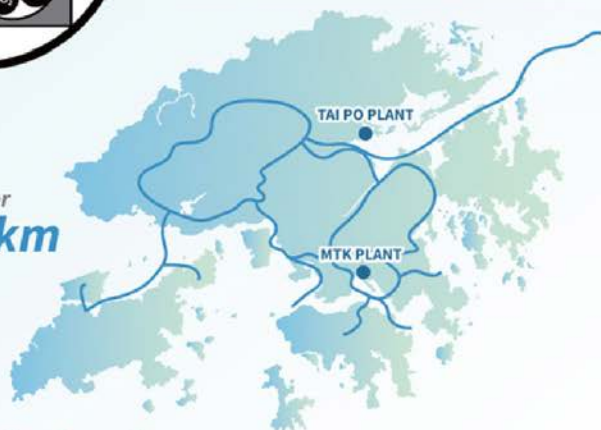
CO₂, N₂, O₂ ~22%



Pressure Swing Adsorption Technology

- Easily extract H₂ from Towngas
- ~99.97% purity (ISO 14687: 2019 Grade D)

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3,700km



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Endless supply



Direct extract from
Towngas network



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