

Hydropower Recycle System

Buildings are urgently seeking new sources of clean energy.

- | Net-zero target in 2030
- | Solar & Wind not suitable in urban building setting
- | Mandatory Energy Audits / Green Cert
- | Green Financing / Low interest rate



Every building's
water system
holds a hidden
power source

5-12%

ENERGY CONSUMED

Of total building electricity is drawn
by the water system.



Until now, no
practical solution
existed to capture
this energy inside
the building...

0%

ENERGY RECOVERED

Of hydraulic energy is currently
recycled in buildings.



Our Solution

HydroVigor

Unlocking Massive Hydropower plant in buildings' water tank.
Retrofit & New water tank

CoolerVigor

Reshape the cooling system to energy asset.
Retrodit & New cooling system

- Predictable performance
- No infrastructure change
- Fast payback
- Open looped system, not affect the water flow and pumping power
- modular design to suit urban buildings
- Easy deploy and maintenance



Our Solution

Hydropower Recycle System

Modular & Open-Loop System Design

STEP 01
Connect HydroVigor system to inlet pipe

STEP 02
Continuous Hydraulic Energy Capture

STEP 03
Direct Grid Feed-In

Suitable to New or Retrofit
Take 4-6 hours for instalation with no
interruption to water supply

Without HydroVigor

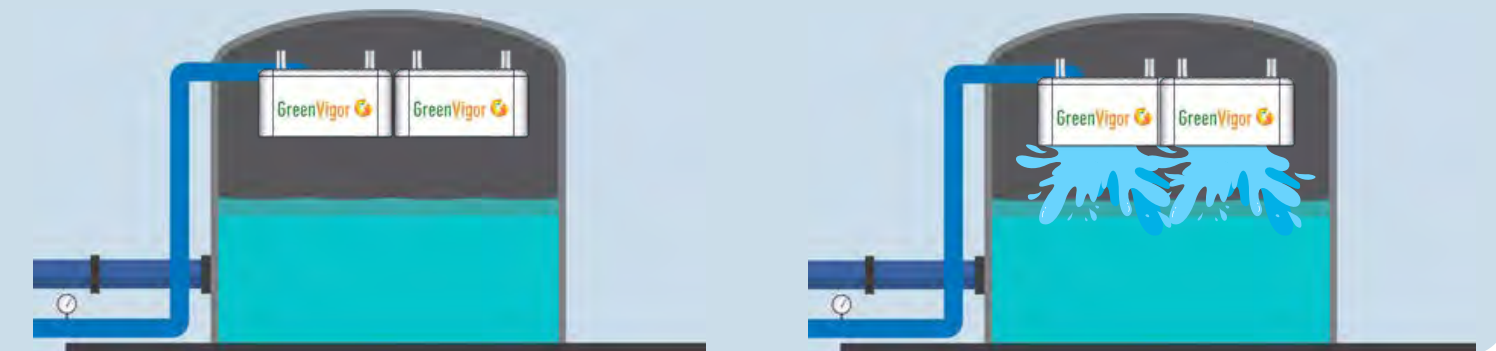
Water Pumped / by gravity go into
water tank or cooling system

Neglected Hydropower wasted in form of sound and wave



With HydroVigor

Now, the neglected Hydropower turn into Clean electricity



Market Opportunity

Application

	Portable Water Tank	Flushing toilet water	Cooling tower make up water	Cooling System	Industrial process make up	Chemical process make up	Surge water tank / Filtering	Temporary water tank
Shopping Mall	☒	☐	☐					
Commercial building	☐	☐	☐					
Industrial buildings	☐	☐	☐	☐	☐	☐	☐	
Hotels &	☐	☐	☐				☐	
Sewage treatment							☐	
Theme Park	☐	☐	☐				☐	
Data Centre			☐	☐				
Swimming pool							☐	
School / University	☐	☐		☐			☐	
Hospital	☐	☐	☐					
Cold storage			☐					
Construction Site								☐
Residential	☐	☐						
Common Facility	☐	☐	☐					
Desalination Plant				☐	☐			
Power Station				☐	☐	☐		

A Clear Path from Dense Asian Hubs to Global Infrastructure

11,000⁺

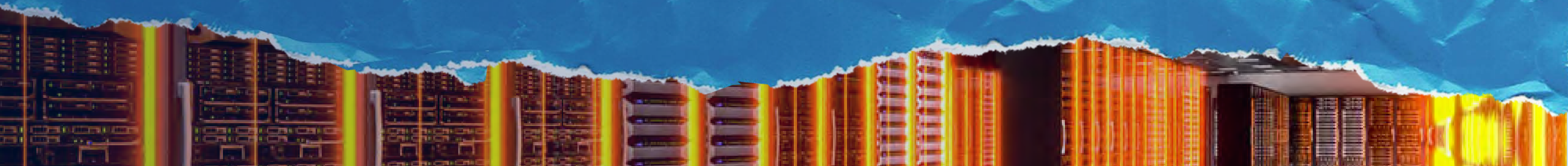
INITIAL TARGET TAM

High-density commercial buildings, data centre in Hong Kong and Singapore.

2,000,000⁺

NEXT EXPANSION PHASE

Data centers globally, Semi-conductor & other industrial with massive cooling water consumption.



Proven Traction

Power is already being generated in 10 Hong Kong Deployments

10

ACTIVE MODULES

Successfully deployed and generating
power in Hong Kong (2025).



Commercial Office



Residential House



Government Building



Swimming Pool



Shopping Mall

GreenVigor

HydroVigor

HydroVigor®

新鴻基地產
Sun Hung Kai Properties

中海物業集團有限公司
CHINA OVERSEAS PROPERTY HOLDINGS LIMITED

CapitaLand

Correctional Services Department
The Government of the Hong Kong Special Administrative Region

V city

ONE 維港1號
VICTORIA

westgate

bedok mall

Forecast: 100 modules will be deployed in 2026/2027

Financial Projection

Business Model:

- Out-right purchase
- Pay as you save / Rental

Business
Details

Unit Economic:

	Client - Outright	Client - Rental	GV - Outright	GV-Rental
Payack years	3 to 5	-	-	<2
IRR in %	29.5	25	300-500	130

Clients with intention and have met already.
Order backlog ~HKD 1.5M in Q3.

Impact:

- Carbon Reduction: 16.64 metic tons per module per year
- Planting 250 trees and letting them grow for 10 years



Achievement

2025-2026

Awards 2025

- Hong Kong Innovation and Technology Award
- The 9th Hong Kong Value Creation for Technology Awards - 2nd runner up
- Startup Express - ESG Award & Winners
- EQT Impact Challenge - 2nd Place
- Rethink HK Start-Up Pitching: ConTech & PropTech - Winner
- EPIC - Top 100
- Hong Kong Green Innovation Award 2025 - Finalist
- Alibaba Jumpstarters 2026 - Top 100
- CapitaLand Sustainability X Challenge 4th edition - The Most Innovative Award
- Slingshot - TOP 250

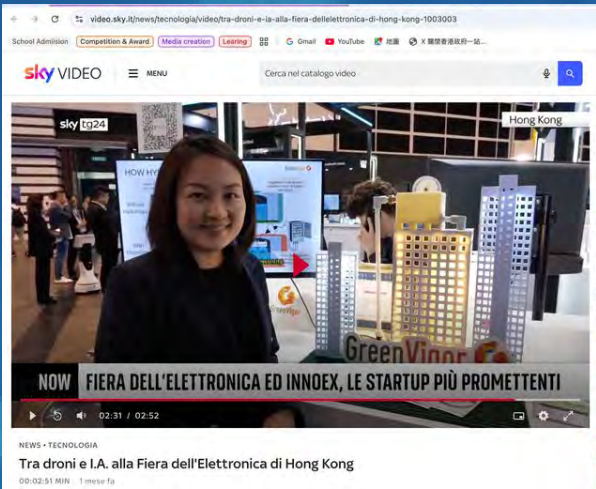
Awards 2026

- SUNeVISION Startup Program Winners
- Imagine H2O Asia Cohort 7



Proven Traction

Media Exposure



Italy - Apr 2025

<https://video.sky.it/news/tecnologia/video/tra-droni-e-la-fiera-dellelettronica-di-hong-kong-1003003>



China：解放日報 - Apr 2025



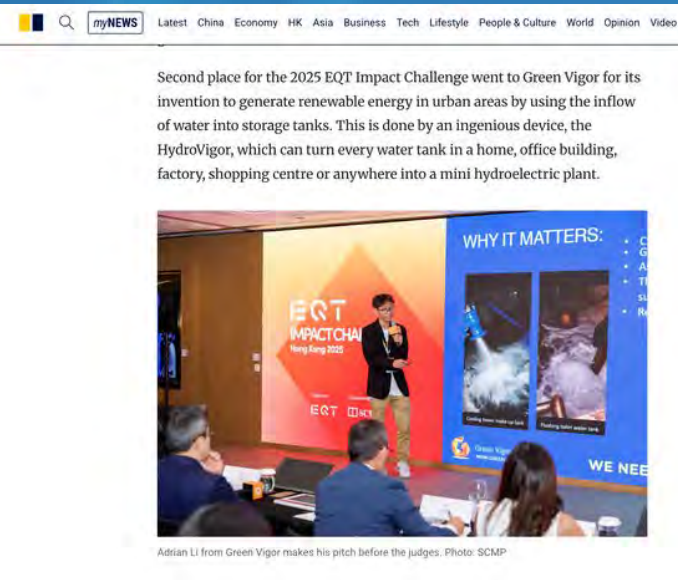
Hong Kong - Apr 2025

<https://www.ithreat.com/view/53644.html>



Hong Kong - APR 2025

<https://www.881903.com/news2/local/2553955/%E5%9C%8B%E9%9A%9B%E7%92%B0%E4%BF%9D%E5%BD%9A%E8%A6%BD%E4%BB%8A%E8%B5%B7%E8%88%89%E8%A1%8C%E5%B1%B5%E5%B7%BAAI%E5%88%86%E9%A1%9E%E5%8F%8A%E6%B2%96%E5%BB%81%E6%B0%B4%E5%8A%9B%E7%99%BC%E9%9B%BB%E7%AD%89>



Hong Kong -SCMP - Jul 2025

<https://www.scmp.com/native/business/topics/fostering-future-innovators/article/3318586/hong-kong-medtech-start-scoops-top-prize-2025-eqt-impact-challenge>



Hong Kong - Ming Pao Newspaper Sep 2025

<https://news.mingpao.com/pns/%e6%b8%af%e8%81%9e/article/20250731/s00002/1753894061792/%e5%88%a9%e7%94%a8%e6%b3%b5%e6%b0%b4%e5%89%a9%e9%a4%98%e5%8b%95%e5%8a%9b%e5%a4%a7%e5%bb%88%e6%b0%b4%e7%bc%b8%e8%ae%8a%e7%99%bc%e9%9b%bb%e7%ab%99>



Hong Kong - NOW TV - Oct 2025

https://finance.now.com/news/post.php?id=934904&isapp=1&utm_source=now_appshare&utm_medium=referral



Hong Kong - iCable TV News Dec 2025

<https://www.i-cable.com/%e6%96%b0%e8%81%9e%e8%b3%87%e8%a8%8a/422865/%E6%99%BA%E5%89%B5%E6%9C%AA%E4%BE%86%E5%A4%A7%E5%BB%88%E6%B0%B4%E7%AE%B1%E8%AE%8A%E7%99%BC%E9%9B%BB%E7%AB%99>



Hong Kong - Viu TV Apr 2026

<https://www.i-cable.com/%e6%96%b0%e8%81%9e%e8%b3%87%e8%a8%8a/422865/%E6%99%BA%E5%89%B5%E6%9C%AA%E4%BE%86%E5%A4%A7%E5%BB%88%E6%B0%B4%E7%AE%B1%E8%AE%8A%E7%99%BC%E9%9B%BB%E7%AB%99>

Our Team

Penney Chong CO-FOUNDER / CEO

With a Bachelor of Education as her academic foundation, she spent over a decade leveraging her expertise in B2B and B2C internet platforms before dedicating her career to climate action.

Her invention—the world’s first Hydropower Recycle System for urban buildings—not only recovers untapped energy from water supply system” By applying this philosophy, she demonstrates that circular energy flows and onsite recycling can be embedded within the digital infrastructure of modern cities.



Jason Li CO-FOUNDER / CTO

Jason has been at the forefront of advancing transformative technologies that harness overlooked energy from the environment and everyday life. He has played a pivotal role in the development and successful market introduction of HydroVigor technology, setting new standards for energy recycling solutions. Jason’s deep technical expertise spans advanced manufacturing machinery, rapid prototyping, and cutting-edge 3D scanning technologies, enriching Green Vigor’s capacity for innovation. His strategic leadership extends beyond product development into consulting on advanced machining and material science applications. Under his guidance,



2023: Ideation program
2024: Incubation program



2023: Seed fund program
2026: Angel Fund program

Advisor:

- Dr. Kevin Wang (HKBU-Computer Science)
- Dr. Chan Mau Hing (HKBU- Green Energy and Smart Technology)
- Mr. Tony Wu (Lawyer)
- Mr. Patrick Lee (Professional for water equipment)
- Mr. Alfred Wong (General Manager of SJV in Shanghai under GE Industrial Solutions & General Manager in China of Carrier)

HYDROPOWER RECYCLE SYSTEM



FLOW TO POWER



MICRO-RENEWABLE ENERGY



WATER RECYCLING PLANT
SUSTAINABLE WATER USE



24/7/365, PREDICTABLE



GREEN ENERGY



GREEN ARCHITECTURE

GreenVigor

We need
USD 2M

- Team growth
- Production line scale up
- Hit sales target in 2026/2027

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FLOW

IS POWER