

# ACCELERATING SUSTAINABLE IT STRATEGIES FOR A GREEN FUTURE

## At SUNeVision, we believe that sustainability is the key for the long-term business growth

As the largest data centre provider in Hong Kong, SUNeVision always prioritises environmental, social and governance (ESG) practices in our business throughout the entire lifecycle from design and build, construction to operations. While we remain focused on our sustainability goals, we strive to optimise data centre operations to improve energy efficiency and ultimately achieve our carbon neutrality target.

With our dedication to leading the way in sustainable data centre business, we are committed to advancing our ESG agenda and creating values for the environment, people, customers, supply chain and the community.

Together, we build a more sustainable future.

## Green Data Centres Fulfilling ESG

Sustainability is integrated into every aspect of our data centre operations. Actionable strategies and initiatives have been implemented across our green data centres to future-proof your business.



### ENERGY EFFICIENCY

- High-efficiency water cooling system
- iPaint applied for generators at MEGA Two, MEGA Fanling and HKIS-1



### GREEN BUILDING

- LEED Gold & BEAM Plus certified
- Solar panels installation at MEGA Plus



### GREEN FINANCE

- First sustainability-linked loan (SLL)
- Realise pre-determined ESG targets



### WATER MANAGEMENT

- Water-efficient cooling systems
- Water leak detection system
- Automatic faucets installation



### CARBON EMISSION

- 2050 carbon neutral target
- Purchase of International Renewable Energy Certificates (IRECs)
- Climate-friendly refrigerant alternatives



### WASTE MANAGEMENT

- Hazardous waste collected for proper treatment
- Paperless working approach



MSCI  
ESG RATINGS



CCC | B | BB | BBB | A | AA | AAA

UNSDG ACHIEVEMENT AWARDS 2023 HONG KONG  
聯合國可持續發展目標 香港成就獎  
ORGANISATION AWARD  
RECOGNISED ORGANISATION



# HARNESSING iPAIN T FOR EFFICIENT DATA CENTRE COOLING

## SUNeVision Pioneering Electricity-free Cooling Technology

SUNeVision is the first data centre provider in Hong Kong to strategically apply iPain t, a patented passive radiative cooling paint, at our data centres, to achieve sustainable energy-saving and cooling effects. This electricity-free cooling technology is innovated by i2Cool Limited, a technology-based startup incubated by the CityU HK Tech 300 programme, and it unlocks potential in revolutionising cooling in data centres.

## iPaint enabling greener buildings

iPaint is an extraordinary cooling paint designed to reduce heat transfer through building facades. SUNeVision has integrated iPain t in our data centre environment, applying it to the generator containers on roof of MEGA Two, MEGA Fanling and on ground level of HKIS-1 cable landing station.

## Self-cooling Armour on Saharan Silver Ant

Inspired by the Saharan silver ant's self-cooling skin that naturally radiates heat from its body even under the burning sun, iPain t imitates the special structure and features high solar reflection property that empowers effective heat dissipation without requiring electricity or refrigerant. It reflects not only visible light, but also ultraviolet (UV), near-infrared (NIR) and mid-infrared thermal radiation.

It helps reducing indoor temperature underneath the iPain t-coated surface. By our estimation, the generator container temperature is lowered by around 2°C to maintain optimal operations.

Leveraging the cooling power of iPain t, SUNeVision will explore more extensive application on our facilities to paint a green and sustainable future.

**MEGA Two**



**MEGA Fanling**



**HKIS-1**



Connect with us

-  +852 2208 8888
-  enquiry@sunevision.com
-  www.sunevision.com



Download SUNeVision's 2022/23 ESG Report to learn about our sustainability performance

