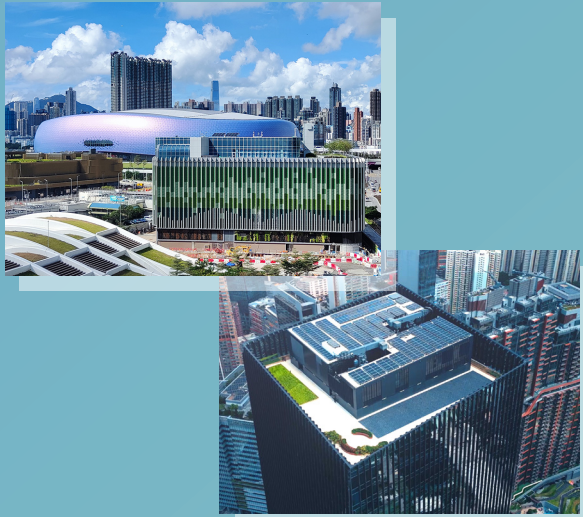


Merits of District Cooling Innovation

DCS is a large-scale centralised air-conditioning system. It produces chilled water at central chiller plants for distribution to user buildings through chilled water distribution pipes for air-conditioning purpose. The energy efficiency of DCS is higher than individual traditional air-cooled air-conditioning systems by 35%.



- ✓ Lower total installed capacity of chillers and less plant room area
- ✓ Higher operation efficiency by leveraging economies of scale
- ✓ Higher cost effectiveness by centralised operation and management
- ✓ More green area for recreational uses and renewable energy installations

Explore More



Virtual tour of Kai Tak DCS

Explore More



Promotion Video

Explore More



Technical Guidelines

District Cooling System

高效 低碳 新機遇

Unlocking New Opportunities of High Efficiency DCS Towards Carbon Neutrality



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EMSD on Wechat



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Environment and Ecology Bureau
The Government of the Hong Kong Special Administrative Region of the People's Republic of China

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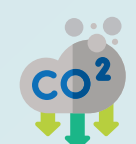


New Opportunities and Benefits of District Cooling in Northern Metropolis and New Development Areas

Early Planning

-  Suitable for Industrial Park and Large-scale Development
-  Match the Specific Needs of the Industry with Innovation and Technology
-  Enhance Cost Effectiveness through Shared Facilities

Smart Management

-  Maximise Operation and Maintenance Advantage
-  Optimise with AI and Big Data Analytics
-  Reduce Energy Consumption and Carbon Emission

Low-carbon Development

-  Reduce Heat Island Effect
-  Support Green and Sustainable Finance Development
-  Uphold the Principle of Sustainable Development

Harness Market Forces in District Cooling System

- ✓ Full exemption for floor area occupied by DCS and associated facilities without upper limit

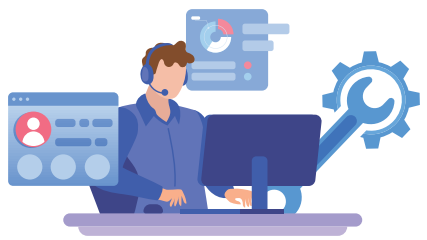


- ✓ Enhance the existing preferential tax arrangements, allowing tax deduction to be claimed in full in one year against DCS capital expenditure.



Green Building Assessment Green Building Asset & Finance

- ✓ Technical and administrative support by EMSD



DCS Commissioned and Operated by the Government

- ✓ District Cooling System at Kai Tak Development, which has commenced operation in phase since 2013, has successfully demonstrated the viability of DCS in Hong Kong. Major users including large commercial development, sports park, hospital, government buildings etc.
- ✓ Government-led DCS are implemented in the following New Development Areas:

-  Kwu Tung North
-  Tung Chung East
-  Hung Shui Kiu
-  Kai Tak

