

Global District Energy in Cities Initiative

An update on a global initiative to unlock the potential of energy efficiency and renewable energy

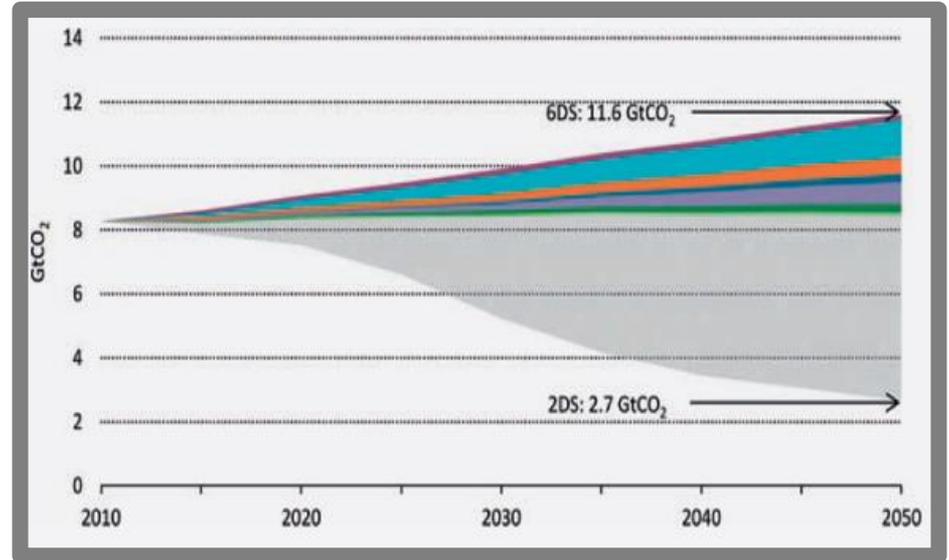
June 2018

Why District Energy?

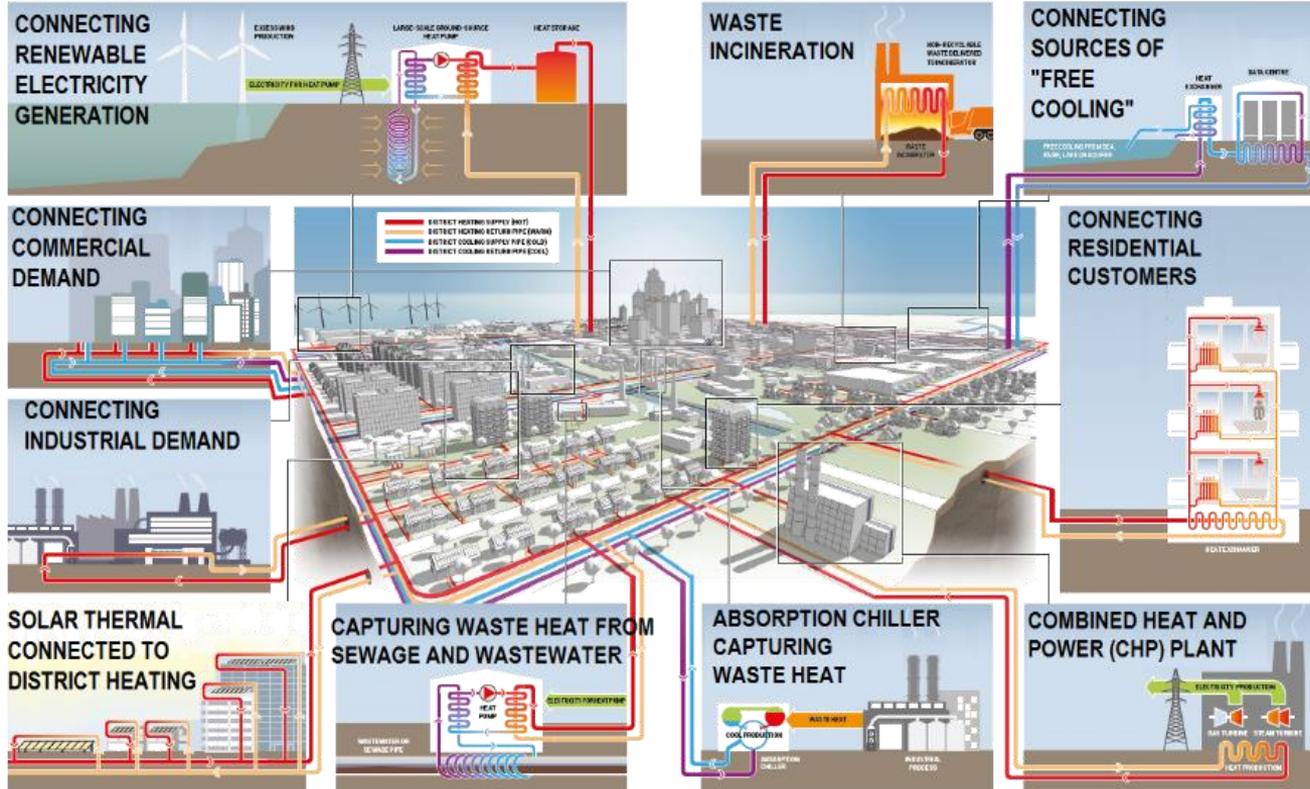


- Emissions from the buildings sector need to be **reduced by approximately 75% by 2050**
- Heating, hot water and cooling account for **60% of the global energy consumption** in buildings, largely met by fossil fuels
- Cooling demand will **grow by 625% by 2050** in selected regions of Asia and Latin America (IEA 2°C scenario)

CO2 emission reductions needed from buildings



Integrating renewable energy and energy efficiency



What does the DES Initiative do?



Increase knowledge of multiple benefits of district energy

Identify pilot projects, build capacity and develop methodologies and policies based on pilot activities

Scale-up through the establishment of a National Delivery Unit and the development of a regulatory framework

Unlock investments and design financial mechanisms to address financial barriers and support the first projects in new markets

A multi-stakeholder partnership



13 COUNTRIES
43 PARTNERS
3 DONORS

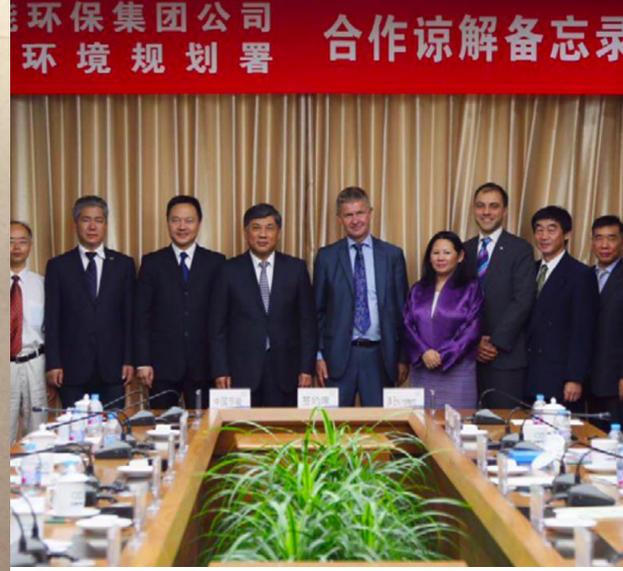


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Success stories

- Global & neutral platform
- Strong partnership with industry & finance
- Technical reputation
- High-level city & national government engagement
- Bringing investors & projects together
- Tools & methodologies



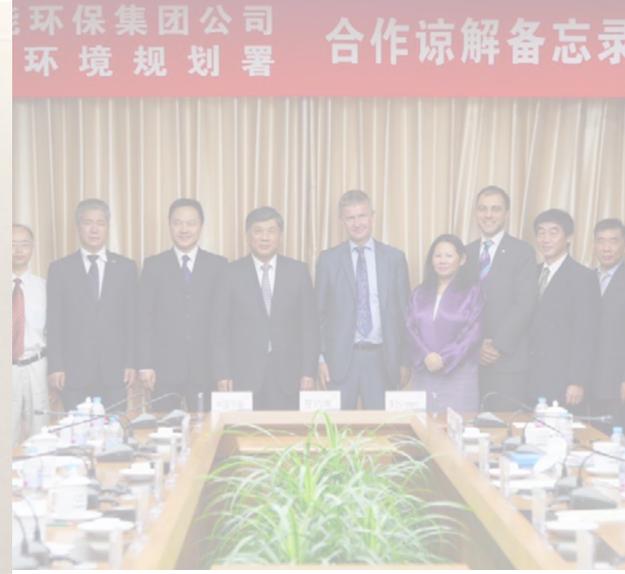


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India

- District cooling under National Cooling Action Plan
- GEF-7 country programme on district cooling
- Thane commits to deliver district cooling pilots
- EESL incorporated district cooling within its investment targets



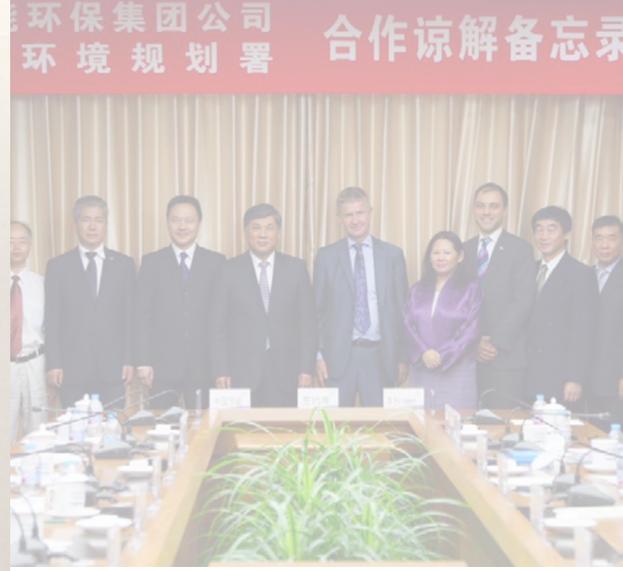


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Chile

- District heating in National Decontamination Plan
- District heating in the new Presidential Plan
- Government financing 4 new cities
- Santiago joins Initiative
- Coca Cola supporting new DH (Santiago)





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Serbia

- Belgrade selects the Initiative to co-develop its DH Action Plan to unlock €380 million of investment over the next 25 years
- Renewable demonstration projects under assessment



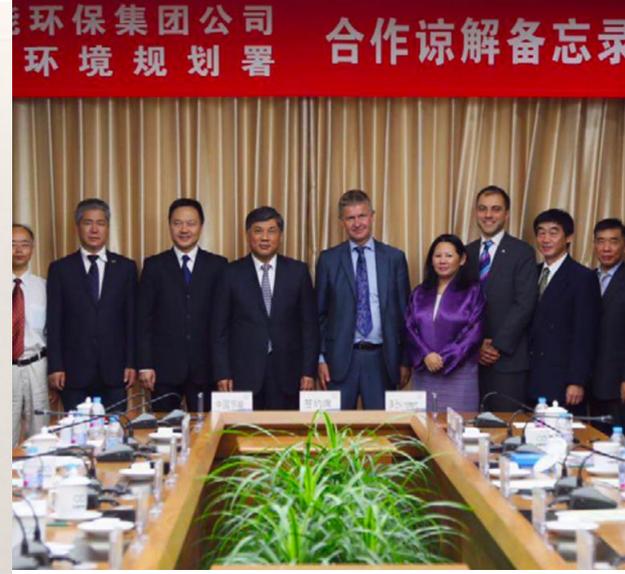


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China

- Political backing from National Development and Reform Commission (NDRC)
- CECEP to lead city-level work
- National government supporting additional pilots
- Joint centre for DES research established with South China University of Tech.





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Bosnia & Herzegovina

- Initiative, CTCN and EBRD co-develop neutral assessments for Banja Luka DH
- \$21 million of private investment and EBRD loans





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