Discussion of Paper and Presentation on

Digitalization

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Summary of the Paper:

- At present, dozens of countries and regions have put forward the climate goal of “zero carbon” or “carbon neutralization”.
- All industries, including the refrigeration industry, have launched an ambitious “low-carbon” technological revolution, and using the cutting-edge digital technology to complete the digital transformation of the industry is an important means to achieve one of the climate goals.
- How the refrigeration industry should realize low-carbon transformation through digital technology from 4 dimensions: **IT technology**, **service enhancement methods**, **industry policies**, **digital platform**.

Insight Points

1. IT technology suitable for digital transformation of low-carbon refrigeration industry

a) Intelligent status of refrigeration industry

b) Digital technology trends

c) Digital solutions for the refrigeration industry

d) Value of digital technology

2. Service enhancement methods brought by digitalization

Reflected in

a) Data driven platform services

b) Carbon asset service

c) Shared service

Insight Points

3. Relevant recommended policies for Asia

Examples from PRC:

a) Action plan for carbon peak by 2030

b) Work plan for energy conservation and emission reduction in the 14th five-year plan

c) Carbon emission reduction support tool

4. Digital platform

Composed of 3 layers:

a) Digital infrastructure layer

b) Refrigeration industry operating system layer

c) Application service layer

Comments

- Inclusive and professional paper on digitalization transformation of low carbon cooling technology
- Valuable case study from ADB-PRC Ningbo cooling technology project
- Creating a digital platform-as-a-service model for city-wide deployment
- Providing digital solutions for the refrigeration industry in the PRC

Recommendations

- Strengthen economic analysis (challenges, benefit-cost) on digital transformation of low carbon cooling technology.
- Develop comparative analysis on digital transformation of low carbon cooling technology with other industries, e.g., logistics industry, transportation industry, etc.
- Improve knowledge sharing value analysis on ADB-PRC Ningbo cooling technology project to other countries

Thank You