



Why this research is important



DIGITALIZATION AN ECONOMIC DRIVER

China is the second largest digital economy worldwide and digitalization has accelerated the country's economic growth. However, the digital sector's emissions need to be addressed.



STRATEGIC GAP

There is a strategic gap between the digital and sustainability transformation, which can be bridged by the "technology push" (directing the ongoing digital progress toward sustainability challenges) and the "transformation pull" (via spurring the sustainable deployment of technologies).



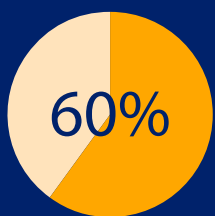
ENHANCE THE GREEN TRANSITION

Digitalization can help accelerate and enhance the green transition – if designed correctly. Harnessing digitalization is vital for achieving China's "dual carbon" goals of peaking emissions by 2030 and achieving net zero by 2060.

Key figures

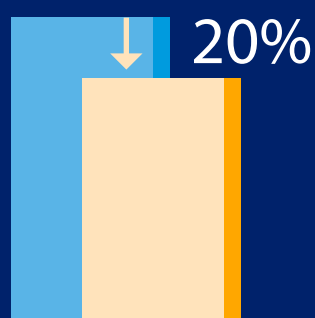
Digital technology

has a direct impact on



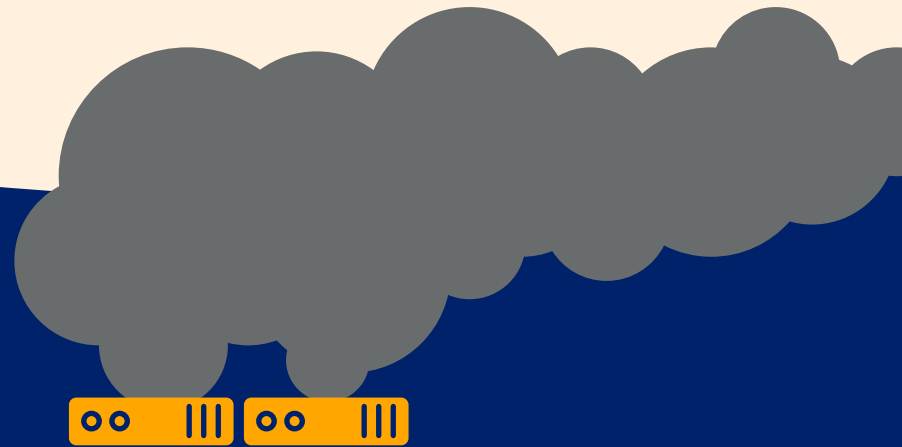
of the 169 sub-goals of the UN Sustainable Development Goals*

is set to reduce global carbon emissions by



over the next decade*

*According to Deloitte and the Global Enabling Sustainability Initiative



Projection by 2030

Total energy consumption of data centers in China will reach

380 billion kilowatt hours

could generate a significant carbon emission growth rate

Recommendations



Adopt national policies to ensure the digital transformation supports China's sustainability and carbon neutrality ambitions. Reduce the carbon footprint of data centres to net zero.



Adopt policies to support the digital and green transformation of traditional industries and enhance the sustainable development of smart cities.