

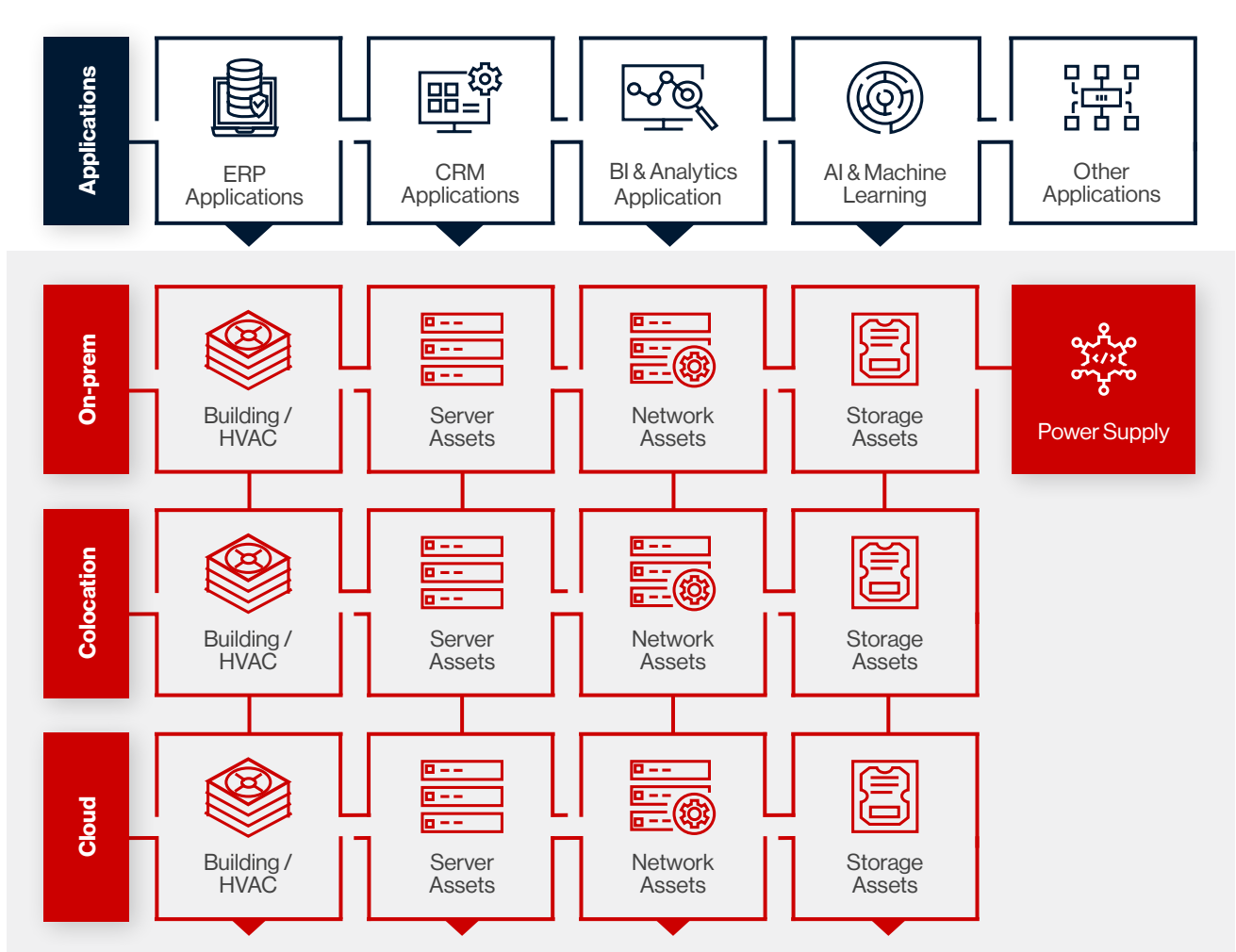
# Sustainability Meets Efficiency: Streamlining Operations with IT Decarbonization Services

The information and communications technologies sector (ICT) accounts for 5-9% of electricity use and more than 2% of greenhouse emissions – that’s as much as all global air traffic.

All organizations must decarbonize their operations to reduce their impact on the planet. We take a systematic approach to help you reduce your carbon footprint across your entire IT ecosystem.

To fully understand the carbon footprint of your IT infrastructure, you need to consider all the elements of its ecosystem

## IT Infrastructure Ecosystem

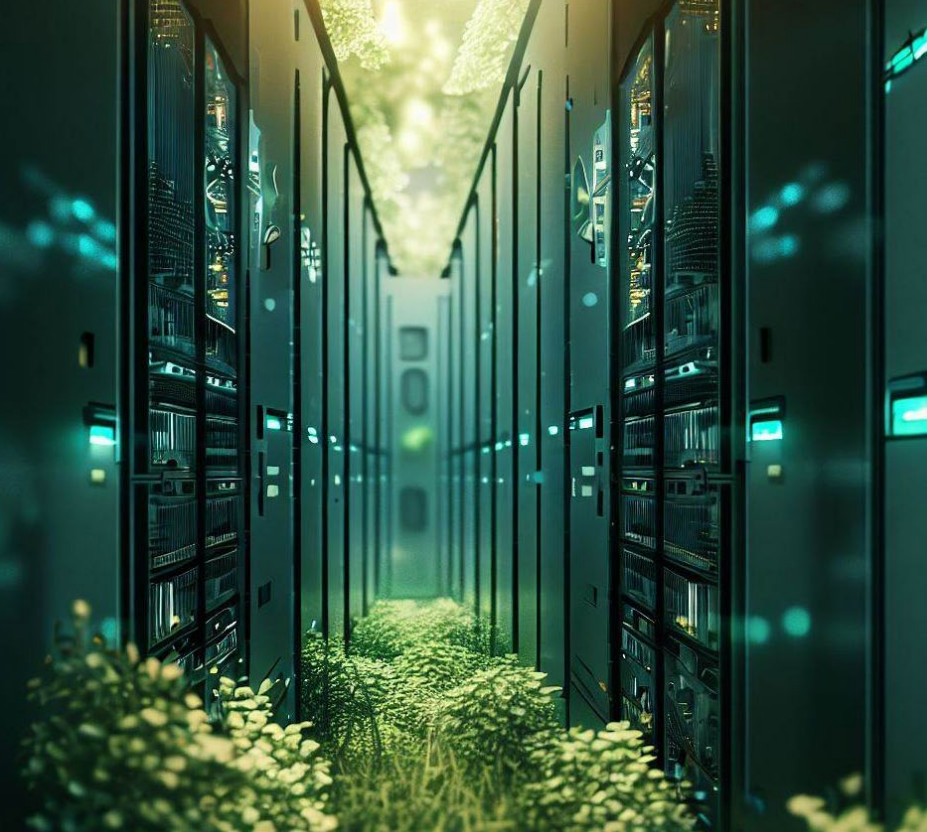
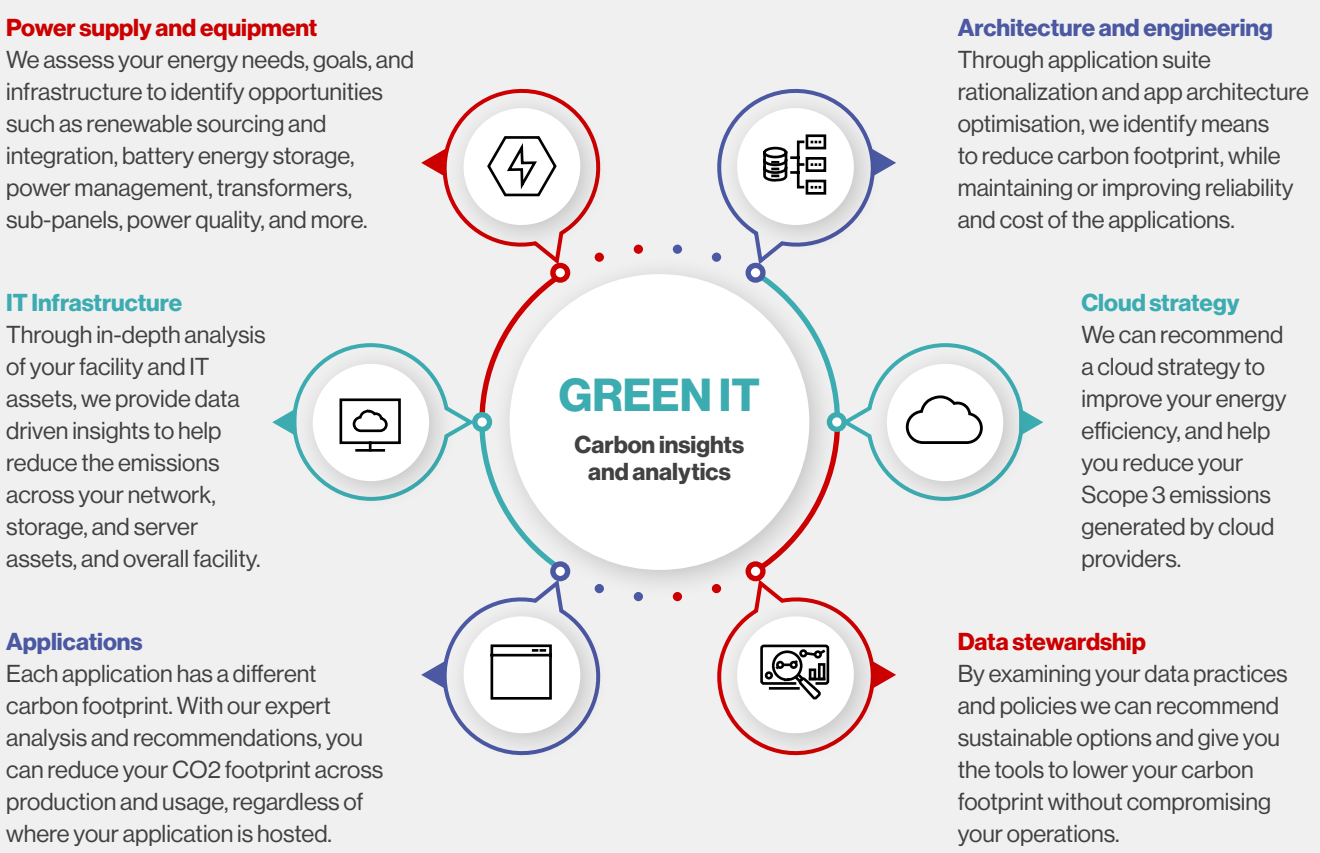


## Core Benefits

- Visibility**  
Greater understanding and more accurate and granular carbon accounting
- Collaboration**  
Build a foundation for data center emissions analytics and coordinate across functions to enhance collaboration
- Optimisation**  
Assess ROI on investments considering carbon reduction returns and enhance capital planning efforts

## Our six pillars of decarbonization

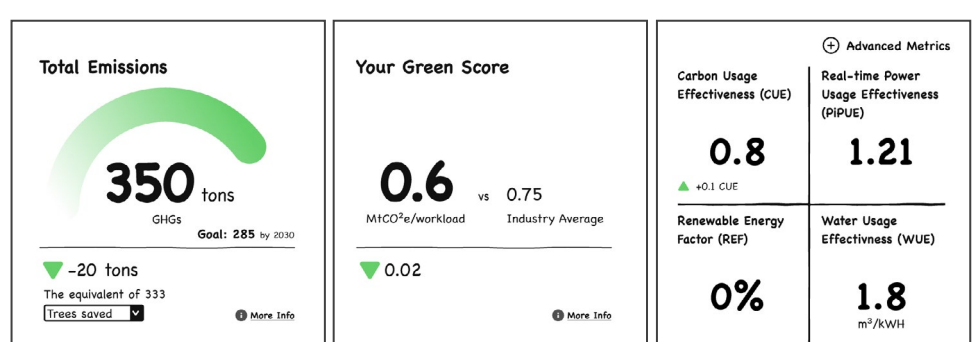
Our data-driven approach can help you lower greenhouse emissions across Scopes 1, 2 and 3 driven by your IT infrastructure. We have defined six pillars to help you decarbonize your operations across your whole IT ecosystem:



- 01** Data center power consumption now accounts for up to 50 times that of a typical commercial office building. **Energy.gov**
- 02** The largest data centers, with tens of thousands of devices, require over 100 megawatts (MW) of power, enough to power about 80,000 households. **Energy Innovation.org**
- 03** We’ve deployed 40,500 sensors to capture edge data that is helping an American multinational e-commerce company to reduce carbon emissions, energy use and cooling usage.

## Data-driven sustainability powering good for people and planet

Our integrated view of detailed carbon accounting across all your carbon reduction initiatives gives you greater understanding and accuracy across Scopes 1, 2 and 3. We provide one source of truth for all your data centre emission analytics.



Let us help you achieve your sustainability goals

[Learn More](#) →

Visit our Sustainability Solutions and Services webpage.

### ABOUT HITACHI VANTARA

Hitachi Vantara, a wholly-owned subsidiary of Hitachi Ltd., delivers the intelligent data platforms, infrastructure systems, and digital expertise that supports more than 80% of the Fortune 100. To learn how Hitachi Vantara turns businesses from data-rich to data-driven through agile digital processes, products, and experiences, visit [hitachivantara.com](http://hitachivantara.com).



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