



# Sustainable IT

Cognizant Sustainability Services

# What role does IT play when it comes to meeting net zero emission targets?

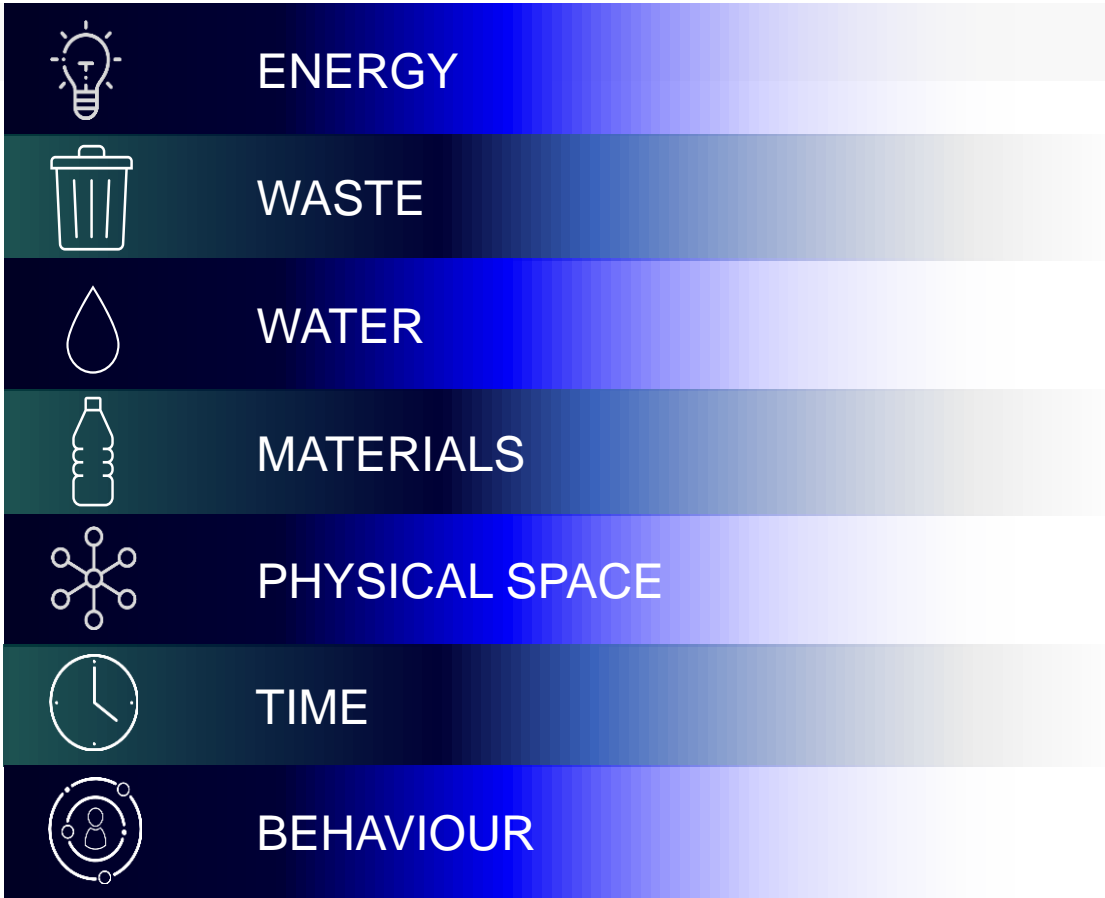
- IT is the backbone of any business operations and the demand for digital transformation of business processes and models is only growing
- At the same time IT departments are facing increasing pressure to decarbonize and align with corporate sustainability agendas
- How can IT reconcile these competing goals?



*While digital technologies are helping us to better tackle climate change, they carry their own environmental footprint. As demand for digital technology grows, IT organizations play a critical role in continuing to develop IT systems to meet business needs sustainably and decarbonize their own footprint.*

# Sustainable IT requires a 360° assessment of the IT ecosystem...

## IMPACT AREAS



## DRIVERS



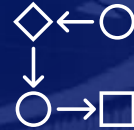
# How can IT departments enable and contribute to sustainable business growth?



## TECHNOLOGY

**Reduce IT Carbon Footprint by applying digital technologies**

- Optimize the energy efficiency of IT services by leveraging the potential of cloud, optimizing operations and modernizing the software architecture stack
- Apply digital technologies to make field service more sustainable



## PROCESSES

**Improve operations by bringing sustainability to core workflows**

- Improve IT asset management by including sustainability as a core criteria in IT procurement and e-waste disposal
- Establish clear rules on data management processes



## PEOPLE

**Empower the IT function to think and work sustainably**

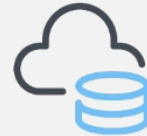
- Increase awareness and knowledge of sustainability impact of everyday activities via effective communication and visualization solutions
- Improve IT policies regarding IT asset usage and commuting
- Create leadership accountability and processes to drive continuous improvement

# Leveraging technologies to decrease IT carbon footprint



## Utilizing Green IT

Data and compute migration to Green Clouds



## Optimizing Cloud Computing

Optimize the use of data centers and cloud computation infrastructure to save energy



## Power and Cooling Efficiency

Improve efficiency of owned data centers & facilities by deploying energy management, ML, AI



## Green application architecture

Smart software architecture to improve sustainability metrics



## Sustainable Software Engineering

Use of environment-friendly languages and smart coding for software development



## Sustainable IT Support Services

Apply digital technologies to make field service more sustainable