



G-Cloud 14

Service Definition - Wipro Sustainable Technology Services
and Products





Features

- Tailor sustainable technology integration for the organisation's needs
- Leverage NextGen technology to manage increasingly complex data, frameworks, requirements
- Implement eco-friendly, energy-efficient data center solutions
- Accelerate adoption of hyperscaler, cloud-native, and legacy modernisation solutions
- Manage data workloads securely and efficiently
- Enable comprehensive management solutions for asset lifecycle for sustainability
- Design and engineer the organisation's network for sustainability
- Design products with sustainable materials, reducing environmental footprint
- Digitally integrate the entire value chain in a closed loop
- Optimise manufacturing processes to drive footprint reductions



Benefits

- Customize solutions ensure precise alignment with organisational sustainability objectives
- Reduce IT footprint through data center consolidation and modernisation
- Unlock end-to-end data and analysis ecosystem to evaluate Impact
- Prioritise energy efficiency through network design, supporting greener operations
- Minimise waste, promote recycling, extend usability through asset lifecycle management
- Curtail emissions impact by accelerating adoption of cloud migration solutions
- Curtail emissions and environmental footprint through strategic cloud migrations
- Reduce product lifecycle emissions through efficient information lifecycle management
- Track, monitor, and continuously improve performance through Digital Twins
- Enhance operational sustainability through efficient information lifecycle management

Sustainable & Intelligent Enterprise

Modernizing and optimizing your estate for Impact reductions and savings

Our approach meets you where you're at with your Enterprise estate, bringing Sustainable technology thought leadership and delivery expertise to your journey. Wipro has the experience to help you navigate Impact reduction strategies and initiatives across your estate with sustainability industry best practices and metrics all the while driving out efficiency and operational costs.

Sustainable Technology Actions					
From Planning			To Execution		
IT Strategy	Requirements & Priorities	Guiding Principles	Policies & Standards	SOLC Methodology	Governance
Sustainable IT Dev & Ops	Sustainable Application	Rationalize Portfolio	Design environments and interfaces	Adopt Low-code, no-code App development	Identify Sustainability metrics & track
	Sustainable Coding	Align developer KPIs to Sustainable IT goals	Automate & monitor the total costs of running, supporting, maintaining	Test for Sustainability, balance between accuracy, speed & cost	Reduce data duplication and improve cyber security
	Sustainable Data	Certify data, processes & people are trusted & high quality	Managing data lifecycle with data retention & destruction practices	Minimize collection of Dark Data & use data compression algorithms	Optimize storage locations & resources for storage for transmission
Sustainable IT Infrastructure	Sustainable Data Storage Strategy	More efficient strategy & design for less environmental impact	Encourage Cloud first strategy & Cloud-native applications	Consolidate DCs and use renewable energy sources	Optimize use of waste from cooling and production
	Sustainable Spaces & Infrastructure Services	Reduce Capex in IT facilities & assets	Adopt circular principles and drive for efficient recycling	Increase AI & IoT for smart asset mgmt and device usage	Standardize frameworks in line with availability of clean energy
	Sustainable Networks	Optimization through Software Defined Networks	Energy Efficiency via SDN Deployments	Network Automation	Optimization via NFV Edge Cloud Control
Asset Lifecycle Management	Adopt circular economy and E-waste management	Asset Lifecycle Planning	Procurement Tender/Contracts focused on green procurement	Monitor & optimize asset lifecycle efficiency	Inclusion of underperformed assets for "increased asset utilization"

Sustainable Technology Assessment & Roadmap

Operationalize your impact strategy. Assess progress against goals, understanding risks and opportunities, identifying improvement activities, roadmap, cost savings. Setting up IMO.

Technology Impact Intelligence

End-to-end data and analysis ecosystem to track and evaluate Impact and cost progress to goals. Leverage NextGen tech to manage increasingly complex data, frameworks, requirements.

Sustainable Data Centers

Reduce your IT footprint through DC consolidation and modernization, move to hyperscale commoditized h/w, SDDC, Storage and backup transformation and DC ops rationalization, consolidation and standardization.

Cloud Migrations

Reducing your emissions impact by accelerating adoption of hyperscaler solutions, cloud-native applications, and legacy modernization.

Information Lifecycle Management

Manage data workloads securely and efficiently, by eliminating redundant data collection and storage and using smaller datasets.

Sustainable Spaces & Workplace Services

Efficient use of available and future technology for building resource efficiency and cost optimization, as well as devices- all considering user experiences.

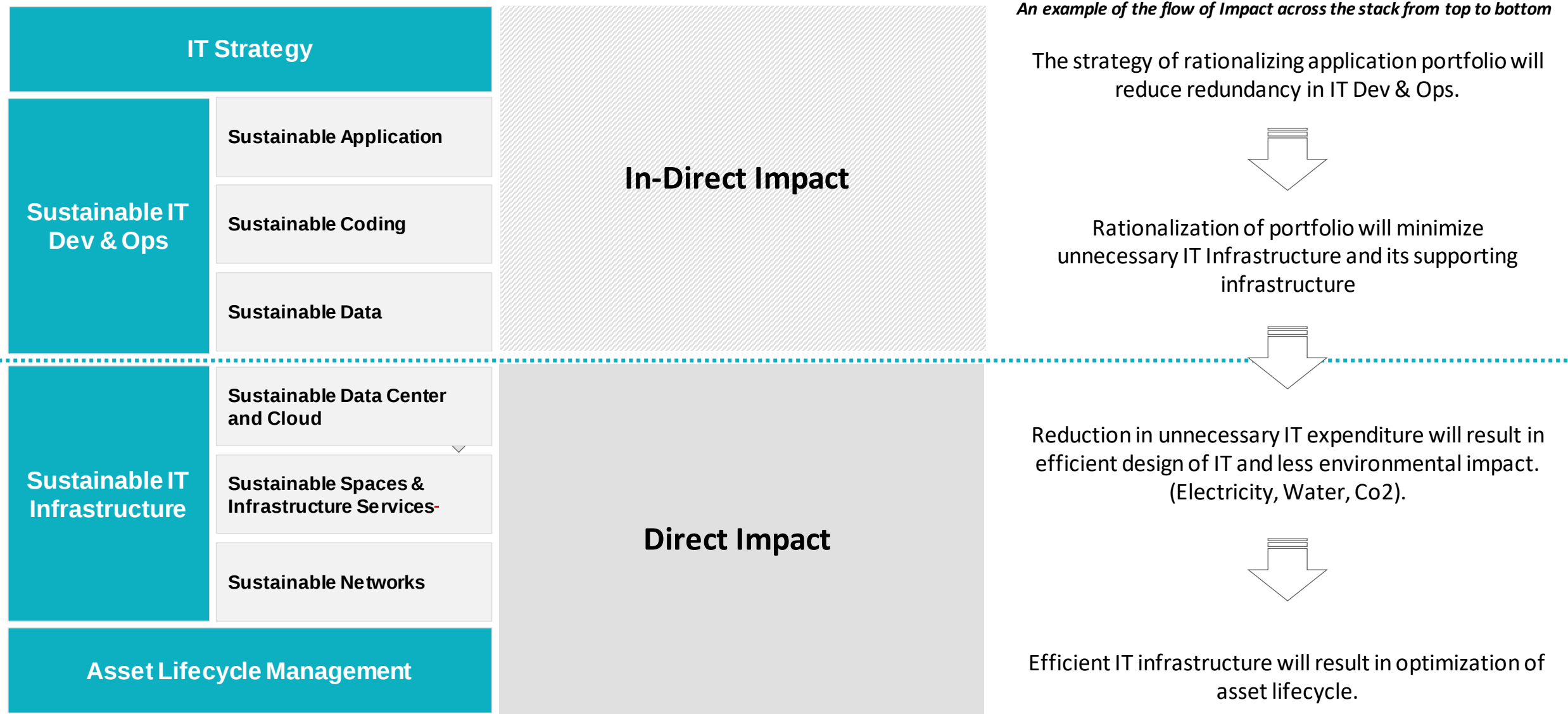
Sustainable Network Management

Design and Engineer the network for sustainability through optimized s/w-defined networks, energy efficient deployments and automation and smart models and networks.

Asset Lifecycle Management

An integrated, multi-disciplinary lifecycle plan that enables efficient solutions for procurement, commissioning, deployment and retirement of technology assets.

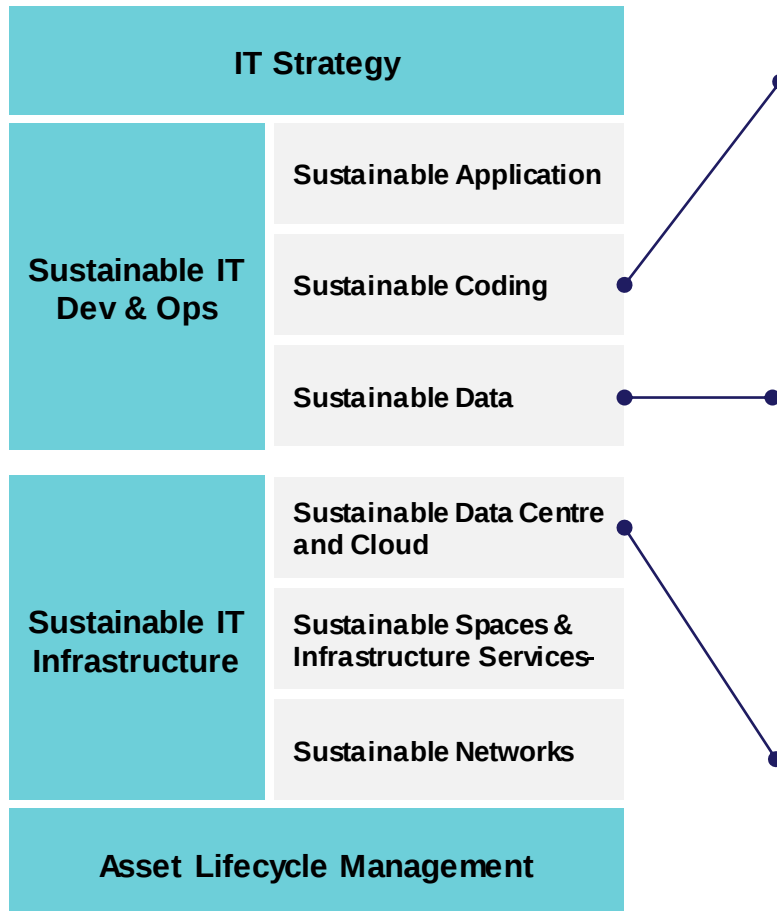
Sustainable Technology Impact



Wipro Solutions and Accelerators

Activating Impact Tracking & Energy Efficiency- what does good look like

Sustainable Technology Framework



Green Coding

teak framework

Energy aware cloud native toolkit based on green principles of “Refine, Reuse and Reduce”

Measures

Impact Improved work exp. for developers, enhancing employee well-being

Savings Annual Reduction in Energy Costs



Efficient Data workload

Data Anning hv last access
Data remediation, eliminate data waste

Measures

Impact Reduction in data stored by 30-40%

Savings Annual Reduction in CPU Costs



Efficient Data Center Energy consumption

PUE Energy Savings

Total IT load, Total Facility Load



Measures

Impact Annual Reduction in CO2 Footprint

Savings Annual Reduction in Electricity Costs

Carbon Footprint Analysis

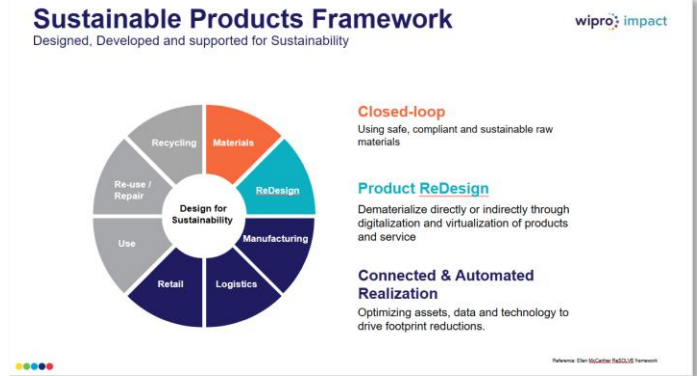
Emission footprint: CO2 KG/KWh



Sustainable Products

Sustainable by Design.

Creating and enabling sustainable products, services, and experiences for customers, across the extended value chain and networks.



Services

Solutions

Sustainable Materials & Packaging

Helping use safe, compliant and sustainable materials.

Assessing and ensuring Sustainable materials sourcing, compliance, management and disclosure

Helping companies drive and implement sustainable packaging

Wipro & Partner Solutions:

- Material disclosure and traceability
- Material Sourcing Framework...
- Material Reg & Compliance mgmt
- Wipro Packaging Engineering

Product ReDesign

Dematerializing products directly or indirectly through digitization and virtualization of products and services through:

- Sustainable Product Strategy
- Sustainable Design & Engineering
 - Cloud
 - Network

Wipro & Partner Solutions:

- Product Design
- Digital Twin
- Sustainable Engineering

Optimized Manufacturing, Supply Chain & Services Impact

Optimized Assets, data and technology to drive footprint reductions through:

- Optimized/Digitized Manufacturing
- Asset Management
- Product Lifecycle Management
- Responsible Sourcing

Wipro & Partner Solutions:

- Materials & PLM Integration & Management
- Sustainable Supplier Framework+

Product Intelligence

. Reduced product footprint across the product lifecycle, driving experience, material and product decisions product sustenance

- . Product Impact Intelligence
- Product Track and Trace
- Circularity

Wipro & Partner Solutions:

- Impact Intelligence Accelerators
- Digital Twin for T&T
- Waste Solutions



Thank you.

Kindly contact us at the following Wipro email id for any further information and engagement related details.

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