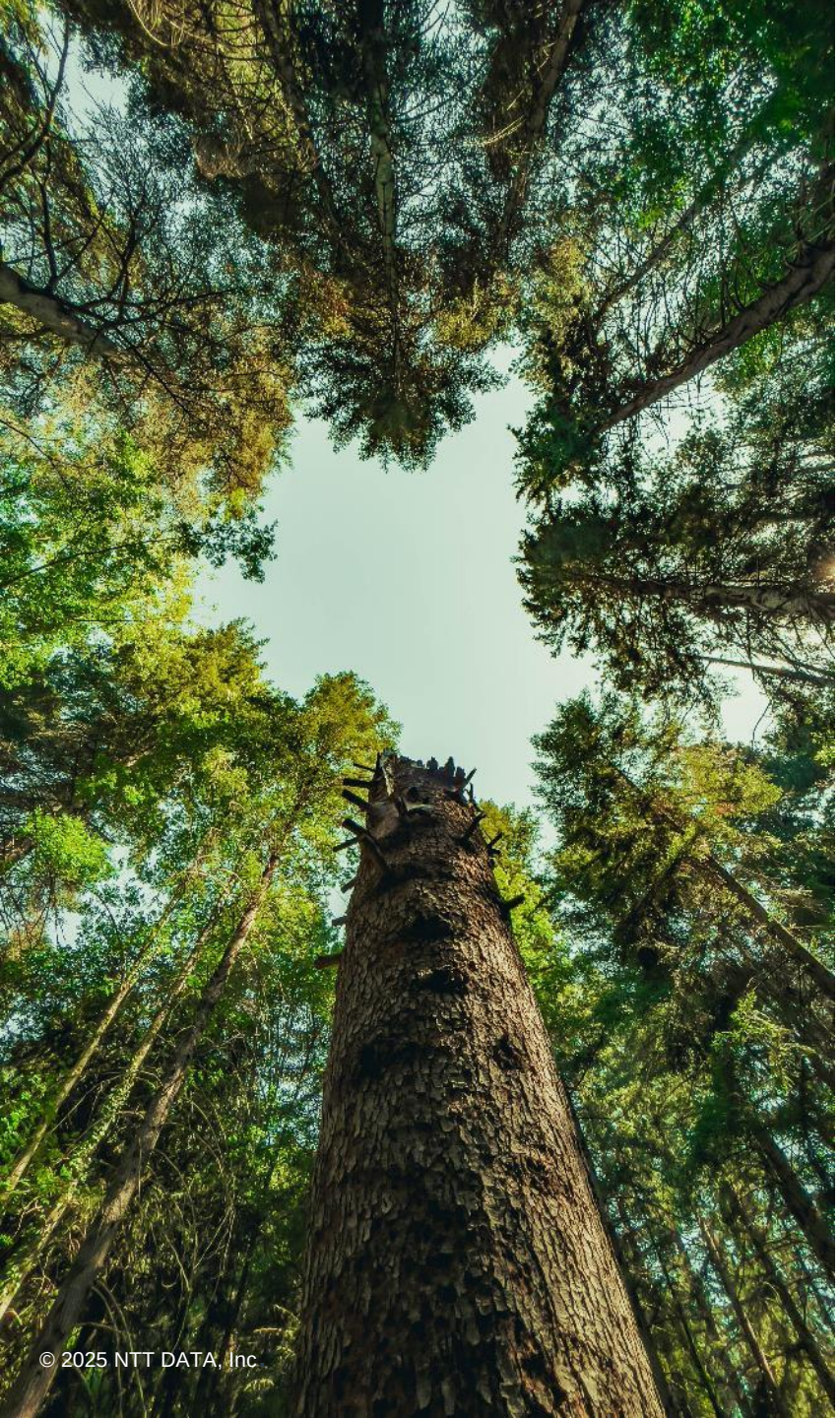
NTT DATA Sustainability Services

Accelerate the transition
toward a sustainable future



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Organizations need to prioritize sustainability actions like never before

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Client case studies

NTT DATA is committed to realizing a sustainable future for all

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Organizations need to prioritize sustainability actions like never before

+25%

Additional share of CEOs who indicated **Sustainability** as one of their **top 3 priorities** in 2023, compared to 2022.[1]

50,000

Companies expected to be **impacted** by the new European Corporate Sustainability Directive (**CSRD**), and an additional **~10,000 outside the EU**.[3]

80%

Customers create pressure for 80% of organizations to act on/ invest in sustainability initiatives. [5]

95%

Required percentage **reduction of value chain emissions** by 2050 to align with **SBTi's Net-Zero** standards.[2]

~50%

Required cut in emissions coming from the **digital sector**, in order to align with global climate objectives. Tech companies are among the **top consumers of electricity** globally.[4]

$ 65bn

Spending on **ESG business services** will grow **from $37.7 billion in 2023** to **nearly $65.0 billion in 2027.** [6]

1 Gartner, Survey Signals Pause-and-Pivot Year for CEOs (2023)
2 McKinsey, Carbon dioxide removal (CDR) solutions (2023)
3 Wall Street Journal, At Least 10,000 Foreign Companies to Be Hit by EU Sustainability Rules (2023)
4 The World Bank, Measuring the Emissions & Energy Footprint of the ICT Sector: Implications for Climate Action (2023)
5 2022 Gartner Sustainability Opportunities, Risks and Technologies survey
6 IDC forecast, August 2023

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NTT DATA is your trusted partner on the sustainability journey

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Recognized by leading analysts

- **Leader in Everest Group's Sustainable IT Services PEAK** Matrix® Assessment, 2025
- **Leader and Star performer in Everest Group's** Sustainability Enablement Technology Services PEAK Matrix® Assessment, 2024
- **Major Contender in Everest** Sustainable Engineering Services PEAK Matrix® Assessment, 2025

Everest Group

Major Player in IDC MarketScape: Worldwide ESG Program Management Services 2023–2024 Vendor Assessment

IDC

- **A Strong Performer in The Forrester Wave™:** IT Sustainability Service Providers, Q3 2023
- **Notable Provider in Forrester's Overview Of 25 Providers:** IT Sustainability Service *Landscape*, Q2 2023
- Listed among the companies interviewed in the **Forrester Green Digital Product** (*The Green Digital Product Strategy Report, Q3 2024)*

FORRESTER®

- Named in **The Gartner Market Guide** for Enterprise Sustainability IT Services 2024
- Quoted in **The Gartner Sustainability meets Product Management**, Part 2: Impact and Data and Part 3: Technical Execution

Gartner

Leader in the ISG 'Sustainability and ESG 2024' ISG Provider Lens™ Study

ISG

Leader in PAC Sustainability IT Consulting Services 2023

PAC RADAR

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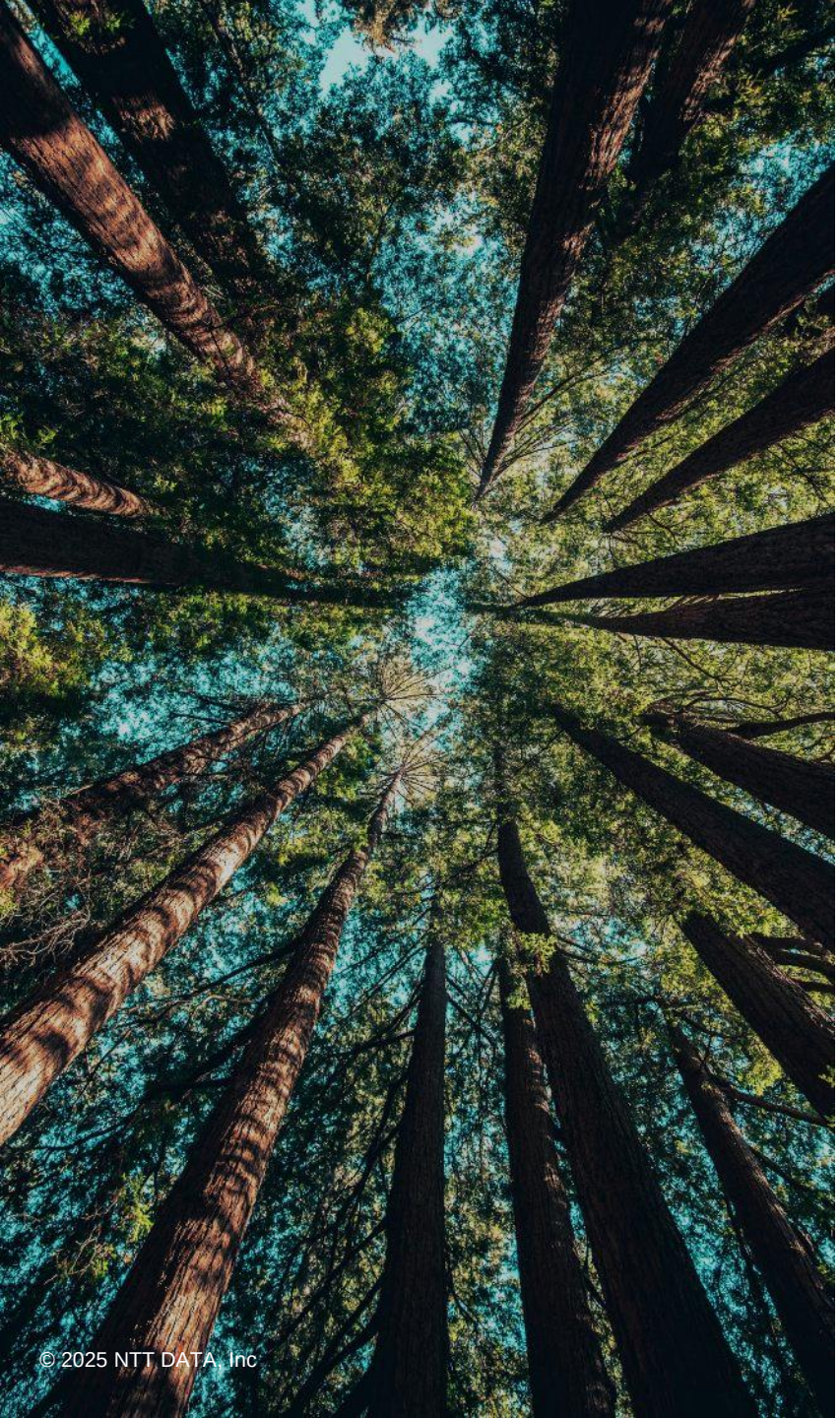

A sustainable future is shaped by what we do today.

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Accelerate the transition to a sustainable future at scale

End-to-end sustainability services from **strategic advisory** to **transformation** and **continuous performance management** supported by NTT DATA assets, technology, and our ecosystem of **partners**

15+
Years of experience in sustainability

1,500+
Projects executed

400+
Professionals in +23 countries

10+
Sectors
Manufacturing, Automotive, Public, Energy, Retail, Real Estate, Banking & Insurance, Transportation & Logistics, Tourism, Telecom, Agricultural

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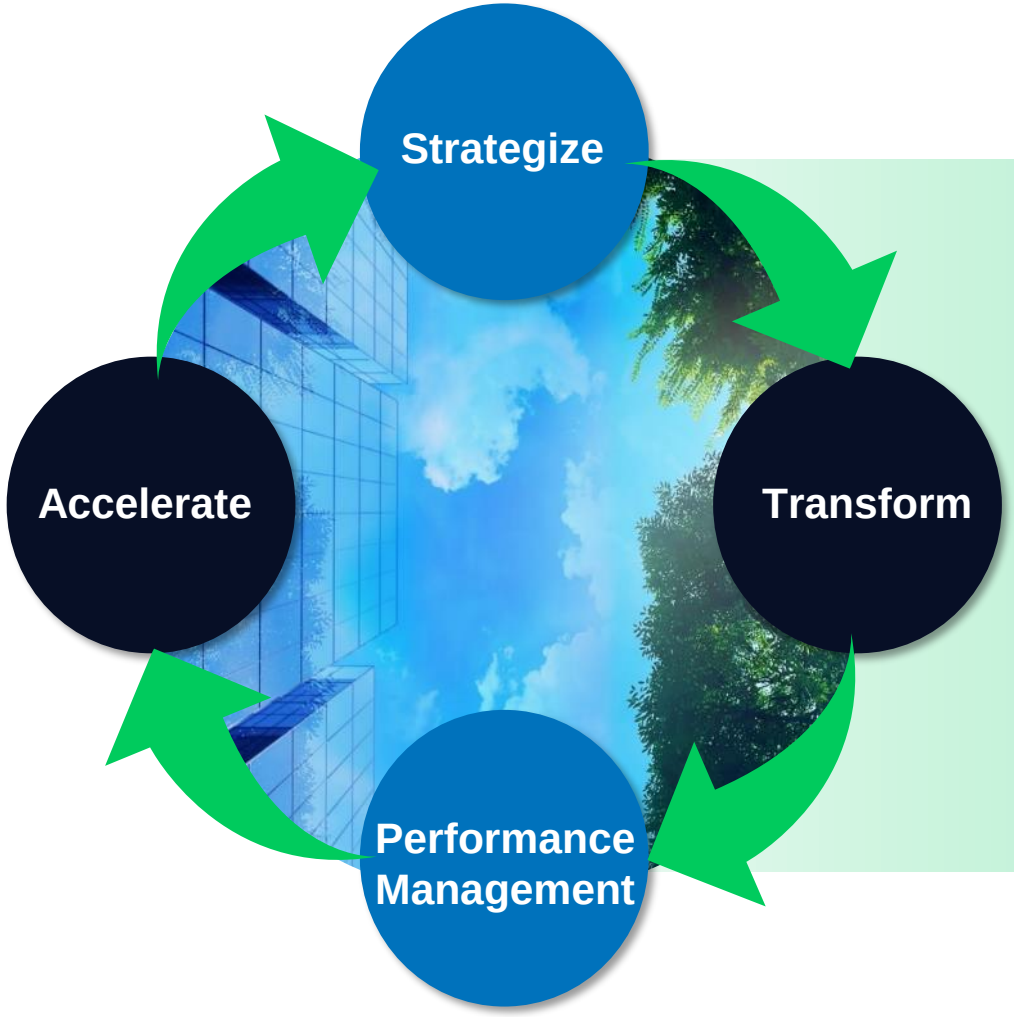
INFORMATION AS OF OCTOBER 2023

Our holistic approach helps organizations realize sustainable growth



- **Comply** with evolving **regulations**, **reduce risks**, and improve **business resilience**
- Set **actionable ESG ambitions** and net zero roadmap aligned with science-based targets
- Enhance **brand reputation** across key stakeholders – employees, clients, investors, and society
- Improve **efficiency**, **reduce waste,** and **optimize costs**
- Innovate **products and services** for the net zero economy

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NTT DATA's Sustainability Services

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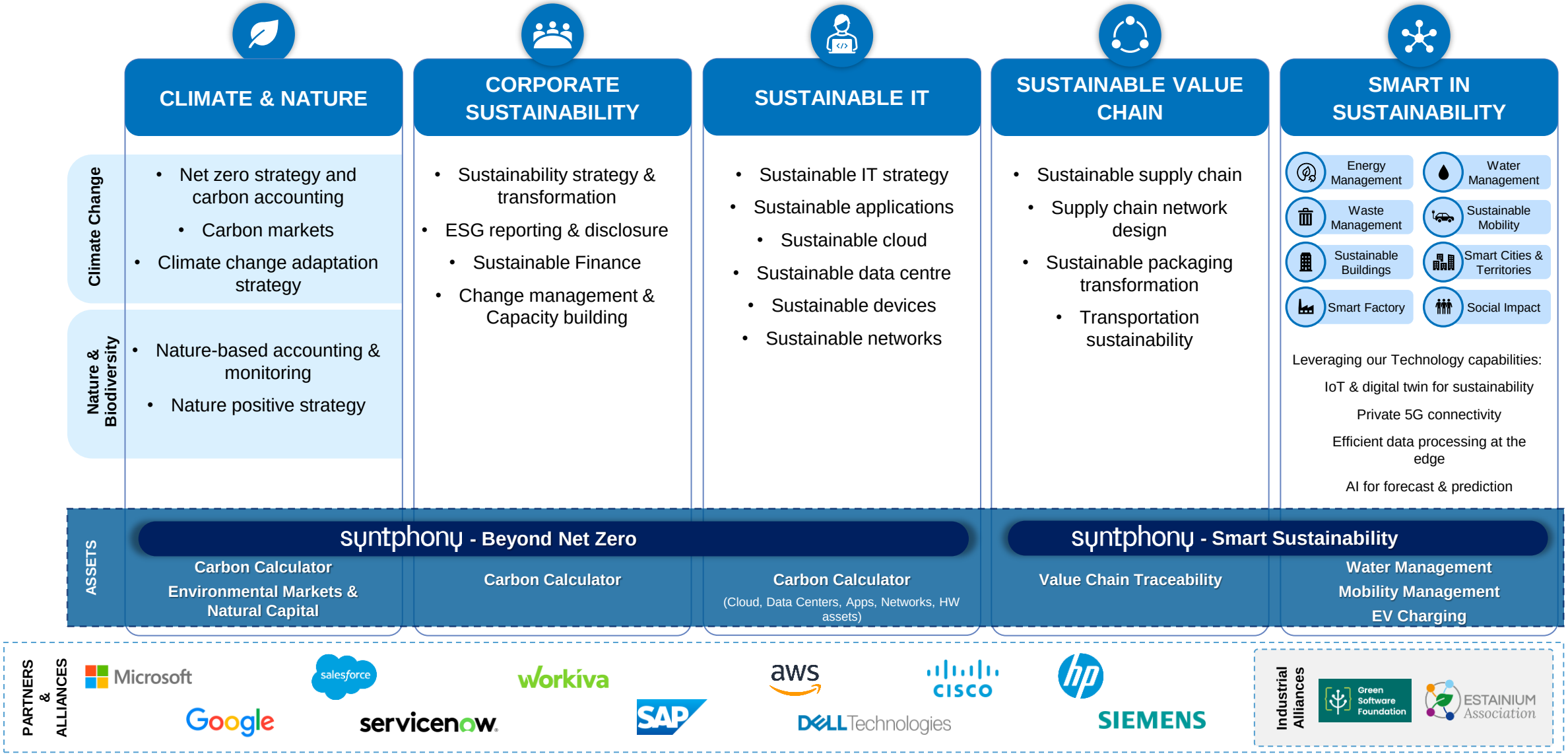
Sustainability Value Proposition



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Climate & Nature

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Climate & Nature services

Shape your net zero and nature positive strategies, mitigate climate risks, and monitor your carbon footprint and biodiversity impact

Climate Change	**Net zero strategy and carbon accounting**	• Calculation of carbon footprint (scope 1, 2 & 3. Product CF), monitoring & reporting (software-based) • Design, implementation, and monitoring of carbon reduction and offsetting strategies & compliance (Net Zero, SBTi, CDP etc.)
	Carbon markets	• Design and monitor projects for generating carbon credits (CDM, GS, VCS) • Implement voluntary carbon exchange market platform
	Climate change adaptation strategy	• Assessment of climate-related risks and vulnerabilities • Design, implementation and monitoring of Climate change adaptation strategies and projects (NBS, MBS IBS, GBS)
Nature	**Nature-based accounting**	• Characterization of nature baseline to understand nature and business interdependency • Net zero verification based on hierarchy mitigation approaches • Definition of nature accounting balance sheet of impacts and dependencies
	Nature-based valuation	• Economic valuation of natural assets and ecosystem services • Assessment of risk and opportunities based on cost and investments on nature • Integration of nature into Financial and Non-Financial Statements & Corporate accountability
	Net Zero & Positive impact journey	• Alignment and selection of strategic framework based on TNFD, SBTN or others • Design of business case of nature conservation projects based on NbS • Nature data integration for governance, monitoring, and reporting to voluntary or regulatory frameworks

NTT DATA assets

syntphony
Sustainability - Beyond NetZero

Carbon Calculator

Environmental Markets & Natural Capital

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Corporate Sustainability

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Corporate Sustainability services

Define your Corporate Sustainability strategy, leveraging the power of data to monitor and enhance your Environment, Social, and Governance (ESG) performance, beyond regulatory demands

Sustainability strategy & transformation	**ESG assessment**	• 360° assessment of company's strategy, roadmap, and benchmarking of their ESG performance against the industry peers by using NTT DATA Sustainability Assessment Framework, Analysis and Roadmap
	Sustainability strategy and goals	• Provision of consulting-led services and data-driven approach to shape corporate sustainability strategy and goals, and continuously monitoring of performance
	Change management & sustainable behaviours	• Definition of organizational governance for sustainability and design and implementations of change management plans, engaging the organization at all levels
ESG reporting, monitoring & disclosure	**ESG data management**	• Design and implementation of ESG data models to gather, process, and store ESG data for sustainability audits, reporting, and performance management
	Regulation adaptation	• Assessment of ESG data to identify and bridge gaps for complying with existing regulations and prepare for future ones (e.g. CSRD, GRI, TCFD, etc.) • Application of cutting-edge technologies like AI to improve accuracy, reliability, and time to report
	Software selection & implementation	• Analysis, benchmark, and implementation of ESG reporting platforms based on business and technical requirements

NTT DATA assets

syntphony
Sustainability - Beyond NetZero

Carbon Calculator

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Sustainable IT

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Sustainable IT services

GREENHOUSE GAS PROTOCOL

ISO/IEC 21031
Software Carbon Intensity (SCI) specification

Green Software Foundation

Incorporate low-carbon and circularity principles into your IT strategy and operations to fast-track the realization of your sustainability goals

Sustainable IT strategy	• Assessment of the IT strategy to identify levers to enhance its ESG impact and define the transformation roadmap (software, hardware, etc.) • Design of an actionable governance model to manage the performance of the sustainable IT transformation journey
Sustainable software	• Provision of advisory and engineering services to embed sustainable IT principles and best practices (based on Green Software Foundation (GSF) and the Software Carbon Intensity (SCI) specifications) across the entire software development lifecycle (from the design and architecture, development and deployment, monitoring, to refactoring and reporting)
Sustainable cloud	• Provision of advisory services to embed sustainability principles and best practices into cloud strategy • Measuring and monitoring of the carbon footprint associated with cloud
Sustainable data center	• Measuring and monitoring of environmental indicators such as energy efficiency, electricity use, fuel consumption, carbon footprint. • Provision of circular economy assessment services (e.g.: in case of decommission of Data Centres)
Technology lifecycle management	• Management, monitoring, and reporting of the lifecycle of software licenses and IT assets including end user devices to reduce energy and carbon emissions

NTT DATA assets

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Sustainability - Beyond NetZero

Carbon Calculator (Cloud, Data Centers, Apps, Networks, HW assets)

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Sustainable Value Chain

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Sustainable Value Chain services

Embed circularity, traceability, and transparency across the value chain to maximise its sustainability and efficiency

Sustainable supply chain	**Circularity**	• Perform product lifecycle analysis (LCA) and design circular strategies to reduce consumption of energy and material resources across the value chain
	Transparency & Traceability	• Asset and environmental tracking of products over its lifecycle, supported by NTT DATA technology and proprietary assets
	Sustainable Procurement	• Analysis, definition, and implementation of sustainable procurement practices and policies
Supply chain network design		• Assessment and design of supply chain network (supplier manufacturing & distribution locations and production facilities) to enhance efficiency and reduce GHG footprint. This service is complemented by using NTT DATA Supply Chain Carbon Footprint Quick Scan accelerator that calculates CO2 emissions for various network scenarios
Sustainable packaging transformation		• Environmental assessment and re-engineering of packaging design to reduce its environmental footprint
Transportation sustainable		• Definition of shipping and truck route strategies that optimizes in-and outsourced activities, fleet size & deployment and equipment mix, considering GHG impact

NTT DATA assets

syntphony **Sustainability** - Beyond NetZero

Carbon Calculator

syntphony **Sustainability** – Smart Sustainability

Value Chain Traceability

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Smart in Sustainability

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Smart in Sustainability services

Leverage our capabilities on cutting-edge technologies, proprietary assets, and consulting expertise to solve sustainability challenges across:

Energy management

- Provision of energy audits, identification of efficiency measures, & design of energy decarbonization strategies
- Implementation & monitoring of energy consumption

Water management

- Assessment of water studies (quality, ecological flows, fish habitats, etc.)
- Implementation of water management platforms

Waste management

- Design and implementation of smart waste collection and food waste prevention platforms

Sustainable mobility

- Provision of consulting services and design & implementation of platforms to manage ticketing & information in public transport, traffic monitoring, manage EV charging stations, etc.

Sustainable buildings

- Advisory and consulting for sustainable buildings certifications (LEED and BREEAM)
- Design and implementation of technology & platforms to monitor energy systems, forecast building usage, etc.

Smart cities & territories

- Analysis and design of sustainable urban plans
- Design and implementation of platforms to enable sustainable tourism, mobility, green spaces, etc.
- Provision on consulting services in farms, aquaculture, agriculture, and agroindustry

Smart factory

- Design and implementation of technologies to drive efficiencies and support the sustainability goals during the production stages

Social impact

- Analysis, identification, and implementation of technologies to help society in areas, such as diversity, inclusiveness, etc.

NTT DATA assets

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Sustainability – Smart Sustainability

Water Management

Mobility Management

EV Charging

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*Including indoor air quality monitoring

Client case studies

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HAPIMAG

Starting the decarbonization pathway

NTT DATA partnered with Hapimag to develop their carbon calculator and decarbonization planning tools, helping them to baseline and monitor their emissions

Business need

Hapimag is a Swiss company with presence in Europe and North Africa, counting with more than 50 holiday resorts, that has included sustainability in their business model.

With the vision of achieving net zero emissions by 2050, Hapimag wished to **understand their carbon emissions' baseline** and identify measures that could help them to achieve the decarbonization journey they are just embarking.

Solution

NTT DATA executed the following activities:

- Calculate the **corporate carbon emissions**, including **scope 1 and 2**, and perform a **high-level analysis** of all **scope 3** categories, identifying key items to be prioritized by Hapimag (**Hotspot Analysis**).
- Develop a **carbon calculator tool** which will be integrated with PowerBI, facilitating automatization.
- Perform **energy audits** across the holiday resorts (54 resorts + headquarters office).
- Recommend **mitigation measures** and build a tool to visualize the different analyzed parameters (energy and carbon emission savings and the financial impact of the potential implementation) that will enable to design different implementation plans.

Outcome

- **Energy audits of 54 resorts + headquarters office**.
- Identification and analysis of **+400** of **potential mitigation measures.**
- **Increased visibility and better understanding of carbon emissions**, especially around most unknown scope 3 emissions.
- **Development of 2 ad hoc tools**:
  - **Carbon calculator tool**, which empowers Hapimag stakeholders to calculate their upcoming **annual carbon emissions**.
  - **Planning tool**, to calculate the **economic parameters,** as well as the energy and emissions impact of potential reduction measures, in order to **facilitate the design of the decarbonization roadmap**.

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Initiating standardized and automated sustainability reporting with a cloud-based platform for BBVA

BBVA introduces a comprehensive cloud-based solution for the automated management of its sustainability data

Business need

Sustainability is one of BBVA's transformative pillars, meaning it is a strategic priority across all of the bank's operations.

In order to automate and improve the calculation and reporting process of carbon emissions as well as making quicker and agile decisions aligned with their Global Eco-Efficiency Plan, BBVA chose Salesforce Net Zero Cloud as the solution to integrate and manage their environmental data, generate indicators, and provide reporting.

With its implementation, the bank will be able to improve its environmental management processes by simplifying the provisioning of information and eliminate manual processes that pose an operational risk.

Solution

In this context, NTT DATA have been engaged by BBVA bank to perform a **Net Zero Cloud implementation** project.

- NTT DATA's role was to inte**grate the solution with BBVA's systems**, develop the calculation processes, and implement the reporting and dashboard system.
- **Definition of the processes** for the provision of environmental information.
- **Definition of the alerts** to be implemented (lack of information, quality of information, etc.
- **Calculation of specific indicators** for the entity (water consumption per employee, energy consumption per m^2, etc.)
- **Definition and implementation of reports and dashboards**.

Outcome

The new system allows to:

- **Standardize emissions calculation** in the countries where it operate improving the way it measures its carbon footprint.
- **Automate data entry** and calculations **eliminating manual procedures.**
- Provide a **detailed and comprehensive global analysis** of energy usage at the Group's properties.
- Be used as a basis for analysis to help make **forward-looking decisions.**
- This project has received the **Salesforce Partner Innovation Award in the Net Zero category**, which recognizes the best initiatives aimed at improving corporate sustainability.

Watch the video

Read more

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Assessment of the ecosystem services in Enel's natural endowment

Economic and non-economic assessment of the ecosystem services in Enel's natural endowment based on the Natural Capital Protocol.

Business need

Enel Chile has carried out a survey of the company's natural heritage, identifying areas in disuse or used as buffers for power plants, keeping their ecosystem almost intact.

Enel decided to study the value of the environmental liabilities represented by these properties (10000 Ha of land) and assess their valorisation in coordination with the country's institutional and environmental stakeholders. This project aims to:

- Better understand the contribution of natural assets to society and to indigenous communities.
- Measure the value of the company's natural assets in these territories to represent their value at the corporate level.
- Design plans to efficiently manage natural assets to generate economical returns and ensure safe and efficient operation of Enel's hydroelectric investment in these territories.

Solution

NTT DATA executed the following activities:

- Systematisation of existing information and integration with cartographic data to **map the natural capital of the territory**.
- **Identification and description of the Ecosystem Services** (ES) for each property.
- Development of **ES valorisation methodologies** adapted from frameworks defined by various university hubs.
- **Estimation** of the rate of **emission or capture of greenhouse gases (GHG) per property**.

Outcome

- **Quantification and valuation of 41 ecosystem services** out of the 94 included in the Common International Classification of Ecosystem Services (CICES) list of the European Environment Agency.
- The **new property management plans** based on the Natural Capital approach would **generate around $500K of additional annual value,** compared to the investment to be made.
- **Additional contribution to the climate fight** based on efficient forest management models estimated at **102 $KtCO_2$ eq/yr.**
- Nature management model that will be **replicated and scaled** to all the company's properties.
- Increased the corporation's ability to report on nature, **improving ENEL's reputation and position as a leading company** in the sector in nature management.

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ESG intelligent insights for strategic positioning

NLP and GenAI applied to ESG reports, industrial plans, and other sources to support dynamic positioning and drafting of non-financial reporting documentation.

Business need

Snam asked for a solution able to:

- Continuously **monitor** their **ESG positioning** in the market.
- Get valuable insights into **ESG practices** of similar organisations.
- Identify **areas of improvement** and blind spots and inform strategic decision-making in the pursuit of sustainability goals.
- Assist in the **automatic drafting** of some paragraphs of the **ESG reporting**.

Solution

The project has been developed in three phases:

1. **Collection and analysis of KPIs** extracted from Sustainability Reports.
2. **Introduction of Artificial Intelligence**, which through Natural Language Processing and Applied Linguistics algorithms, analyses the content of the data sources defined in the first phase and automatically feeds the monitoring dashboard.
3. **Extension of the use of Artificial Intelligence** to the analysis of external data sources (e.g. websites) to monitor how the market perceives the initiatives undertaken by Snam and consequently define **improvement actions**.

The solution enables users to upload sustainability reports and documents to be analysed. The AI engine performs 4 main tasks: extraction of quantitative KPIs; generation of qualitative KPIs; generation of comparison insights on qualitative KPIs (Benchmark); and identification of the communication styles of the qualitative KPIs.

Outcome

- **Snam's ESG status** in comparison against **40 players**, by assessing equivalent Key Performance Indicators (KPIs) across a dedicated dashboard featuring **105 quantitative** and **19 qualitative metrics.**
- **User friendly webapp** application and **easily scalable** according to future requirements.
- **Reduction of manual tasks and augmented business intelligence** by utilising cutting-edge technologies such as AI, enabling Snam team to concentrate on delivering valuable insights to support their ambitious Sustainability initiatives.

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Sustainability through trust

Watch video

Ancestral fishing tradition combined with state-of-the-art technology

Business need

Tecopesca is one of the main transformers / exporters of tuna in LATAM. More than 90% of its product is exported mainly to the USA and Europe.

Due to the importance that has for their business the traceability of the product, they have asked NTT DATA to implement a solution with the objective of allowing them to have end-to-end traceability and keep track of their product (inputs, processes, and outputs) and including and keeping track of all the environmental data of the product.

Solution

In this context, NTT DATA have implemented a technological solution based on Blockchain.

The traceability blockchain solution (proprietary asset) generates and end-to-end traceability of the product from its production to its sale (bulk or trade item products, additives, packaging materials, etc.), having the following functionalities:

- Adaptation of traceability to the GS1 standard.
- Automatic integration of data from Tecopesca systems to traceability blockchain solution based on critical GS1 events.
- Integration in the data model of the GDST sustainability protocol, which allows associating to the traceable object, all the information related to the sustainability of the product.

Outcome

- Provide the Tecopesca product **an extra value** by being able to prove its legal and sustainable origin (complete the traceability information with the information related to sustainability (fishing permits, catch info, various certificates, etc.).
- **Enrich the product information** with sustainability data (location of fishing, legality of the fishing crews, etc.) by adding to the data model the information of the GDST protocol.
- Enable the **centralisation** of the **value chain information** and optimisation of the **data collection processes**. This is due to the **integration in a single repository** (Blockchain ledger) of the entire life of the product.

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Multinational coffeehouse and roaster brand

A multinational coffeehouse and roaster brand reduces its CO2 emissions by 19% while optimising costs and efficiency

Business need

- The client was on a journey to reduce its CO_2 emissions by 50 percent by 2030.
- The client realised that their logistics carbon footprint had a significant impact on their overall CO_2 emissions.
- They reached out to NTT DATA to help them incorporate CO_2 emissions of their third-party logistics carriers into their decision support framework for truckload procurement.

Solution

NTT DATA developed a way of utilising EPA's Smartway* data to calculate both baseline and bid emissions at the load level by lane and carrier.

Integrated this data into the bid optimisation tool showing the percent difference and metric tons difference between the competing carriers' CO_2 emissions on lanes where they bid versus the baseline CO_2 emissions.

NTT DATA created a constraint in the bid tool that allowed the client to perform a sensitivity analysis where they could see what happened to the carrier mix and cost as they reduced their CO_2 emissions.

*SmartWay is an EPA (US Environmental Protection Agency) program that helps the freight transportation sector improve supply chain efficiency.

Outcome

- Data-driven **decision-making approach** that **integrates** both **CO_2 emissions and cost information** in the bid tool.
- **Reduced CO_2 emissions from transportation by 19%**.
- **Reduced logistics costs**.

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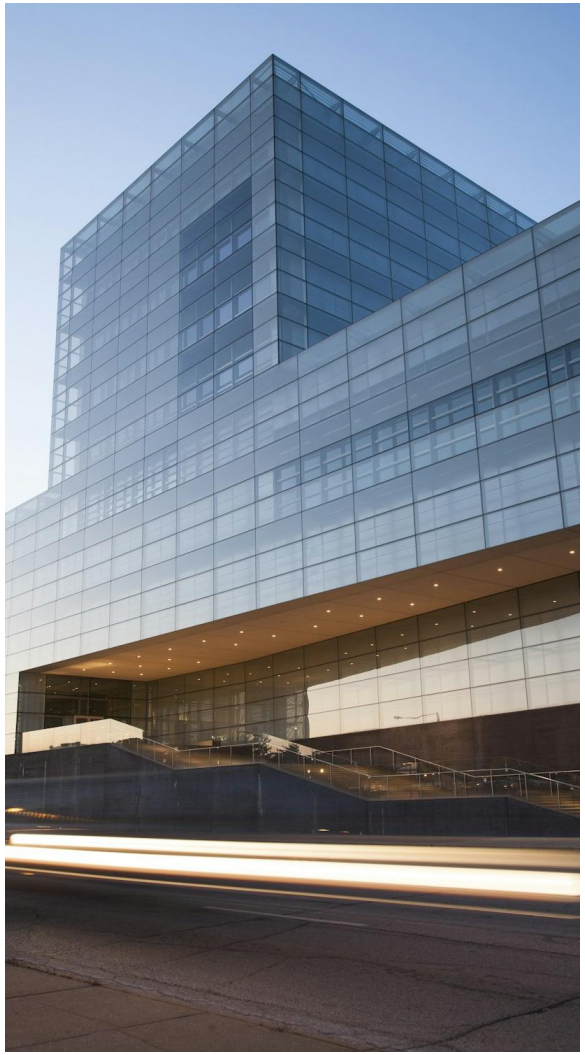
IT OKR establishment for the CIO's Organisation



Business need

The IT Organization aimed to set organization-wide sustainability OKRs by clearly demarcating the measurement parameters, ranges and frequency.

The client wanted the OKRs to be in alignment with the overall group strategy.

Solution

- NTT DATA conducted a guided workshop of the in-house built Sustainability Dashboard to gauge the current standing of the organization across the ESG Spectrum.
- NTT DATA carried out the analysis of the score, providing an over-all score supplemented by drill down to lever and variable scores. Further, elaborated on the ideal responses and discussed possible remedy to the score.
- Through a series of a discussions and workshops with client, the scope of the assessment was ascertained and recommendations for remedying their score were charted out through a meticulous materiality assessment, so that the client can be abreast with 2030 targets.
- NTT DATA segmented recommendations as short-term, medium-term and long-term. In addition to the recommendations, NTT DATA provided a tailored-roadmap clearly demarcating priorities supported by return-on-investment statistics.
- Provided client with a 360-degree overview in the form of a Playbook chalking out a remediation roadmap for the in the form of recommendations for the organization.

Outcome

- A **questionnaire** consisting of **126 questions for the client's IT area** distributed across the three pillars- Environment, Social and Governance- to gauge the current standing of the IT organization and help define OKRs for the future.
- Delivered a playbook of **detailed ~70 recommendations** aligned to the organization's goals, business units and 2030 Sustainability targets.
- Formulated a **blueprint of implementation timeline** (12-14 months), ranking each of the **selected 15 key recommendations** basis the priority, impact and scale of implementations.

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Monitoring and management of the IT services' carbon emissions

Designed and implemented a decarbonization strategy for Intesa Sanpaolo's IT with NTT DATA's proprietary assets and sustainable IT framework

Business need

As a result of the growing attention to IT emissions, which are particularly relevant for the banking sector, Intesa Sanpaolo sought to become compliant with international regulations and identify opportunities for cost reductions through a comprehensive solution for the monitoring of energy consumption and carbon emissions related to its IT systems.

Solution

- NTT DATA's "CO2 & SCI Monitoring tool" empowers the bank to analyse and optimize the resource consumption of its IT applications. This translates to a deeper understanding of software's environmental impact at a granular level.
- The tool calculates emissions associated with each major server component – CPU, memory, storage, and network – offering a clear understanding of software's environmental footprint.
- NTT DATA helped the client to identify and prioritize key improvement areas, implemented targeted solutions and continuously monitored and optimized performance with NTT DATA's proprietary assets.
- This tool allows precise emission data analysis and helps identify improvement opportunities and support the implementation of strategies to optimize IT energy consumption and GHG emissions.
- Built on GHG Protocol Scope 2 specification and ISO compliant methodology to ensure compliance with the latest international standards.

Outcome

- Software environmental KPIs hourly monitored for over **100 applications**.
- The use of KPIs such as CO2eq and SCI enables the bank to **monitor the efficiency of its software and hardware**, letting it continuously identify areas for improvement.
- Identification of **CO2 reduction opportunities**, with **potential savings reaching up to 30%.**

Read the article

Read the paper

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Acea improves water management with agile development

Supporting Acea in the design and development of a new cloud-based solution for improving water networks management, KPI monitoring, and regulatory requirements alignment.

Business need

Acea has always recognised the importance of sustainable water management in the face of climate change and the growing need to optimise water resources.

It realised that it needed a **new platform to better manage and optimise the water resources** within its network.

- The decision support systems it was using to manage its water network were based on old technology and did not have good integration with the operational systems.
- The existing systems were not designed for the cloud, which made them inflexible, less agile, and labour-intensive to support.
- Users complained about the poor user experience of the existing systems.

Solution

ACEA Waidy® Management System (WMS) is a strategic and operational decision support tool for the sustainable management of water resources that was **conceived by Acea and built in collaboration with NTT DATA** Italy using agile development methods.

The Acea WMS platform enables Acea to:

- **Improve the management, monitoring and optimisation of the network** by detecting losses and unauthorized withdrawals and identifying improvement actions.
- **Provide up-to-date data** on the water balance according to regulatory requirements and report macro-indicators of water losses.
- **Promote service continuity** by using IoT smart sensors to monitor losses and interruptions, detect alerts, identify inefficient users and use Machine Learning for predictive maintenance.

Outcome

Acea WMS is today **used by seven water companies in the Acea Group** with more than 2,000 districts monitored and more than 6.8 million inhabitants served.

The adoption of Acea has resulted in:

- Up to **35% reduction of losses** per district.
- Up to **25% reduction of failure rates**.
- **30% reduction in time** spent on service continuity management, water budgeting and anomaly detection.

In recognition of its innovative design, ACEA WMS has received two prestigious awards:

ADI DESIGN INDEX Selezione Compasso d'Oro — The ADI Design Index, awarded by Italy's Associazione per il Disegno Industriale

DESIGN AWARD 2023 — The IFS Design Award for outstanding design and service in the field of engineering

Read the article

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NTT DATA is committed to contributing to a sustainable future

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Our mission statement

Technology for good to create a more affluent and harmonious society

Group vision

Trusted global innovator

Realizing a sustainable future

Operationalize **Sustainability** from **goals & KPIs into the process level**	Drive to **behavioral change** to **act today**	Execute a strategy for a **sustainability employee experience**

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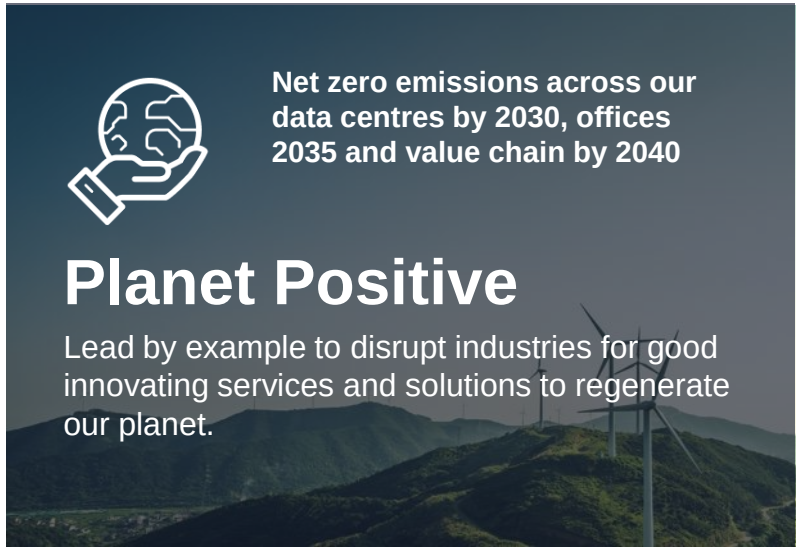
Sustainability: We are focusing on 3 global goals

At NTT DATA, we transform businesses for success, disrupt industries for good, and shape a better world for all

100% sustainable-by-design services and products by 2035

Prosperity Positive

Transform businesses and society for successful growth with 100% sustainable services and solutions involving our end-to-end value chain.



Net zero emissions across our data centres by 2030, offices 2035 and value chain by 2040

Planet Positive

Lead by example to disrupt industries for good innovating services and solutions to regenerate our planet.

100% of employees' sustainability engagement "acting today"

People Positive

Shape a better world for all, applying our digital capabilities to improve livelihoods and contribute to a diverse, equitable and inclusive society.

- **Smart X Co-innovation** (2)
- **Sustainable Value Chain**
- **Future of Work**
- **Net Zero**
- **Circular Economy** (1)
- **Nature Regeneration**
- **Human Rights, Diversity, Equity & Inclusion**
- **Digital Connectivity**
- **Community Engagement**

(1) Zero Waste, (2) Including GenAI

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Some of our recent achievements in Sustainability

Public transparency & accountability

Top 15% in S&P Global Sustainability Yearbook 2025 Ranking.

Net Zero targets validated by the SBTi.

CDP Climate Change “A list” Company for Third Consecutive Year.

Top 15% of all companies assessed globally by EcoVadis and a leader in carbon management and environmental criteria.

Center for Nature and Climate

Engaging our employees to take action

We encourage employees to contribute to shape a better world by making an impact on their local community:

- **Volunteering:** In FY23 40,780 hours of paid volunteer leave were used globally by >6,000 volunteers from the former NTT Ltd business, additionally our NA business unit recorded 30,275 volunteer hours while engaging 12,000 team members.
- **Education and gamification** initiatives like GreenMe Challenge, Earth Day and World Cleanup Day activities drove awareness and enabled engagement in sustainability.
- **Promote STEM**: Participated in Technovation Girls and HotTopics, while being the founding partner of Tech Girl 2024. Also launched “Tech on Wheels”, a digital literacy mobile learning centre and enabled a robotics program benefiting 4K+ students across 15 public schools in India.

Embedding sustainability in IT

As the 3rd largest provider of data centers in the world, we have a unique opportunity to make a big impact on our and our clients’ data center carbon footprint.

- Investing in using **innovative Direct Chip Liquid Cooling** and Liquid Immersion Cooling technologies as the need for computing power increases with the introduction of Generative AI.
- Target to achieve **100% of renewable energy in all our data centres by 2030.**
- Actively pushing the boundaries of innovation to **address the dual challenges in an increasingly AI**-driven world.

- **Driving new standards**, as a **Steering Member** of the **Green Software Foundation**, in collaboration with others such as Microsoft and Intel
- As part of the GSF, we are **leading the process to define a** new **ISO standard** for software carbon intensity (ISO/IEC PRF 21031)

Embedding sustainability in IT **circularity**

- For **circular design,** we are **accelerating our efforts to incorporate circular economy and regenerative-design** principles into our client solutions and the way we operate with **including our partners** (e.g.: Take back programme)

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Our R&D forum and Innovation Centers are designing the sustainability solutions of tomorrow.

IOWN: NTT DATA, Intel, and **Sony**

New communication platform consisting of the All-Photonics Network

Artificial photosynthesis:

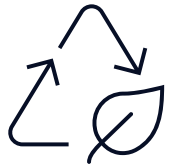
Converts carbon dioxide as a gas using energy from sunlight

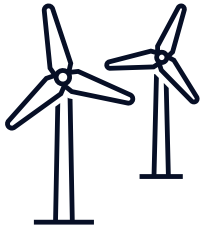
Biological conversion technology:

Enhancing CO_2 absorption and growth of marina algae

NTT e-City Labo

Local recycling-oriented society that can achieve sustainable development (local 5G open lab, land-based aquaculture plant, etc.)





Wind power developers GPI

NTT DATA and JERA jointly purchased a 99% stake in Green Power Investment (GPI), Tokyo-based renewable energy firm

Food waste recycling solution

NTT FIELDTECHNO and its alliance partners using IoT technology and cloud services to centrally manage facilities

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