

Green IT/EcoDev

Asset/ BSL

- CO2 and SCI Calculator,
- EcoDev Tool

Client Target

Target companies: Cross sectors. In particular, customers with high tech intensity

Target roles: IT Project Managers; Sustainability Managers & CSO; Reporting & Controlling Managers

References



Intesa Sanpaolo :CO2 and SCI Calculator, EcoDev Tool ([white paper](#))



Snam: CO2 and SCI Calculator,

Why

IT contributes up to 45% of total scope 2 emission for technology intensive companies (banking, insurance, telco, media & broadcasting). Moreover, it contributes to 3% of global CO2e emissions, a figure expected to exponentially rise.

Consequently, IT managers and ESG representatives have new targets objectives:

- identify improvement opportunities to reduce IT carbon footprint
- be compliant to sustainability reporting demands
- develop green software and incorporate sustainable development practices
- Reduce emission to respect corporate sustainability goals

Client's benefits

- IT Carbon emissions monitoring and Data driven insight for reduction
- Operational energy optimization and cost reduction.
- Adherence to environmental regulations.
- Technological efficiency and sustainability: adoption of advanced technologies for more efficient IT management.
- IT Contribution to netzero plan and ESG goals

Offering description

NTT DATA developed a conceptual framework for sustainable IT that contains tools and capabilities dedicated to reducing the impact on different phases of IT lifecycle. Within this framework, two tools are considered "Hot offering" for their ease of implementation, client's request and revenue model:

- CO2 and SCI Calculator: IT emissions monitoring tool that calculates carbon footprints for major server components (which uses KPIs compliant with the GHG Protocol and the new SCI ISO standard from Green Software Foundation. Results are easily accessible in internal dashboards to get real-time insights for decision-makers.
- EcoDev Tool: Code quality management asset to conduct static code analysis based on globally recognized best practices from CISQ Green IT and Green Software Foundation. It inspects code, detects violations of sustainable coding principles, and provides a metric to quantify code sustainability.

Perimeter extension

The offerings are enabler of cross selling of other green IT initiatives thanks to the synergy created by the utilization of different assets.

Moreover, these offering are enabler of projects dedicated to

- IT optimization: code/architecture optimization and redesign
- Application development services: sustainable by design service offered in every development project

