

GREEN IT – Narration Manuscript

Hello everyone! Today, we're excited to share with you an innovative project that not only aligns with our commitment to sustainability but also addresses a pressing global issue – NTT DATA's Green IT.

Why Green IT, you may ask? Well, did you know that IT contributes up to 45% of total scope 2 emissions for technology-intensive companies? That's a significant impact on our planet. But it doesn't stop there. IT also contributes to 3% of global CO2e emissions, a number expected to rise exponentially.

This is why IT managers and ESG representatives now have new targets and objectives, including identifying improvement opportunities to reduce IT carbon footprint, being compliant with sustainability reporting demands, developing green software, and incorporating sustainable development practices.

NTT DATA, as a technology consulting company, possesses all the necessary tools to assist clients in minimizing the impact of IT. Moreover, it bears a primary responsibility as a "provider" of technology.

Enter NTT DATA's groundbreaking project – a conceptual framework for sustainable IT. Our tools and capabilities are dedicated to reducing the impact on different phases of the IT lifecycle

Within this framework, we have two main projects – the CO2 and SCI Calculator, an emissions monitoring tool, and the EcoDev Tool, a code quality management asset for sustainability. These tools are not only easy to implement but also align with client requests and revenue models.

The CO2 and SCI Calculator is an 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 generated by this tool are made easily accessible through internal dashboards. This real-time visibility empowers decision-makers with valuable insights into the environmental impact of their IT infrastructure, facilitating informed and sustainable decision-making.

The EcoDev Tool is a code quality management asset to conduct static code analysis based on globally recognized best practices from CISQ Green IT and Green Software Foundation. By inspecting code at a static level, the tool identifies and flags violations of sustainable coding principles. This includes considerations for efficiency, resource utilization, and adherence to eco-friendly coding practices. The tool goes beyond mere identification, providing a quantifiable metric to measure and assess the sustainability of the codebase. By integrating the EcoDev Tool into the development workflow, organizations can proactively manage and improve the sustainability of their software

What do you get? Real-time insights with the CO2 and SCI Calculator, operational energy optimization, adherence to environmental regulations, and technological efficiency for sustainable IT management. It's not just about reducing emissions; it's about raising awareness and understanding the impact of technology, positioning ourselves as players in the responsible use of technology.

But here's the exciting part – these projects aren't just standalone. They create synergy and enable cross-selling of other green IT initiatives, enhancing the overall impact. Moreover, these can enable projects dedicated to IT optimization, code and architecture redesign, and sustainable-by-design services in every development project.

Our Green IT project is not just a commitment to a sustainable future; it's a step towards making a lasting impact on our world. Thank you for joining us on this journey. Together, let's build a greener and more sustainable future with NTT DATA.