

SUSTAINABLE ENTERPRISE IT TRANSFORMATION WITH ADMnext





REAPING THE BENEFITS OF CLEAN APPLICATIONS AND IT ...



... FOR A SUSTAINABLE AND PROFITABLE FUTURE

The impact IT is having on greenhouse gas emissions is already significant and expected to increase dramatically over the coming years. Applications are responsible for much of these IT-related emissions. As business requirements, personal devices, and the applications used to run them continue to multiply, this output will become even more significant. In addition, ever-increasing numbers of Smart and IoT devices will cause a greater environmental impact across the IT estate.

Reducing greenhouse gas emissions is essential in ensuring the sustainability of our environment – not only for future generations but for the current one as well. It also holds immense opportunities for the future growth of your business.

UNLOCKING THE POTENTIAL OF SUSTAINABLE APPLICATIONS AND IT DEVELOPMENT

Overall, 4% of greenhouse emissions are the result of IT services delivery (not including the impacts of people supporting IT – office space, transportation, etc.) and this is expected to triple in the coming years.⁽¹⁾

These effects were really brought into the spotlight during the lockdowns of 2020 when carbon emissions actually dipped by around 7% globally. This was a drop of 2.5 billion tons in CO₂, or the equivalent of taking 500 million cars off the road for an entire year.⁽²⁾

Reducing emissions does not have to hamper productivity, profitability, and/or growth. In fact, companies embracing sustainable initiatives have seen sizeable cost reductions and productivity improvements. Many of these initiatives grew organically out of the 2020 crisis. One example of sustainable IT Applications enabling positive environmental impacts and improved business metrics was the shift to remote work and video conferences, which has become the new normal and has greatly reduced emissions. So, it's quite clear now that focusing on sustainable IT applications development can hold immense potential for your business and the customers you serve.



⁽¹⁾The Shift Project, "Lean ICT – Towards Digital Sobriety," March 2019

⁽²⁾Stanford Earth Matters Magazine, "COVID lockdown causes record drop in carbon emissions for 2020," December 2020

SUSTAINABILITY WITH BENEFITS

Why there's no cap on the business potential of clean applications and IT

According to Capgemini research, sustainable IT is still not a priority for most organizations, with only 43% of executives being aware of their organization's IT footprint and 39% taking no action at all. When taking everything into consideration, a mere 6% of companies are left to reap the significant performance opportunities, which includes markedly improved Environmental, Social, and Governance (ESG) scores, brand image, and customer satisfaction.⁽³⁾

To ensure that you position your business in this leading 6% and create the future you want, it's essential to select the right sustainability development partner.⁽⁴⁾

CAPGEMINI'S FOUR-PILLAR APPROACH TO SUSTAINABILITY

To help better position your business as a leader in sustainability and reduce the environmental impact of your Enterprise IT, we take a closer look at a series of levers across your landscape. This starts with asking the right questions: Where are the highest carbon reduction opportunities and quick wins? How do we increase Enterprise IT sustainability without jeopardizing business continuity, quality, and security? How can the processes, policies, and culture of your IT teams contribute to a reduction in your carbon footprint? What are the IT tools and enablers that can increase the sustainability of your Enterprise IT?

To achieve all the answers to these questions, we offer four entry points defined by [Capgemini Invent](#) to activate your sustainable IT transformation, depending on your stakes and future ambitions:

SUSTAINABLE IT STRATEGY

Conduct a qualitative and quantitative diagnosis with our lifecycle assessment methodology, while creating your vision and setting ambitious targets with a comprehensive roadmap.

SUSTAINABLE EMPLOYEES

Bring employees on board to deeply transform your organization's culture with packaged employee engagement and training plans.

SUSTAINABLE IT TRANSFORMATION

Reduce the environmental impact of your Enterprise IT with our library of 50 levers that spans hardware, infrastructure, applications, and data.

IT FOR SUSTAINABLE BUSINESS

Use new technologies to propose solutions that reduce your business' environmental impact and leverage the relevant ecosystem.

⁽³⁾ Capgemini Research Institute, "Sustainable IT Why it's time for a Green revolution for your organization's IT," 2021

⁽⁴⁾ Ibid.

SUSTAINABLE ENTERPRISE IT TRANSFORMATION WITH ADMnext



A sustainable, cleaner, more profitable future through the operations, technology and culture of your Enterprise IT team

ADMnext focuses heavily on Capgemini's Sustainable IT Transformation pillar to create efficiencies, optimize performance, and reduce the direct environmental impact of your Enterprise IT. We utilize a dynamic library of hardware, infrastructure, applications, and data solutions that spans the entire Capgemini portfolio. In delivering on this, ADMnext applies a comprehensive sustainability formula that is centered on:

ADMnext's COMPREHENSIVE FORMULA FOR SUSTAINABLE ENTERPRISE IT TRANSFORMATION



In concentrating on these three areas, we work with you to define and set your Enterprise IT transformation roadmap in motion. From there, we enable you to rationalize your applications portfolio, improve the lifecycle sustainability of your products, plug into a "Work-Where-Best" environment, and migrate to Cloud-based models.



SUSTAINABLE IT OPERATIONS: PROCESSES AND POLICIES

Sustainable operations start with your business culture and filter throughout your IT organization. So, as a first step, it's essential to take stock of your IT operations and the processes and policies that drive them. To ensure you hit the ground running here, Capgemini has developed tools that enable your business to:

- **Exploit the latest processes** (including Agile & DevOps) underpinned by Intelligent Automation to drive positive environmental change at pace
- **Embed innovation** through Capgemini's Design Office to push sustainability as a strategic agenda item
- **Utilize "Work-Where-Best" policies** with remote-work-enabled transition and engagement management platforms to balance intimacy with need to travel
- **Ingrain a continuous improvement approach** to achieve positive sustainability outcomes across your service delivery and enterprise IT portfolio.



SUSTAINABLE TECHNOLOGY: IT TOOLS AND ENABLERS

Capgemini's sustainable IT tools and enablers utilize hyper-automation capabilities, which help you drive efficiency, and increase standardization and Cloud adoption, so you can:

- **Incorporate carbon impact of applications into decision-making** to optimize your IT portfolio, reduce energy consumption, and increase user device efficiency
- **Exploit the latest insights-driven automation** to increase efficiency, and reduce waste across business and IT processes
- **Utilize the most innovative technologies** (AI, IoT, Smart Devices, etc.) to drive better environmental impact monitoring and implement positive sustainable change at scale
- **Integrate sustainability-focused Engagement Management tooling** to track energy consumption and CO2 emissions with real-time dashboards.

Capgemini works with you to deliver all of the above by applying a wide range of tools and enablers such as:

- **Our Decommissioning Factory**, which enables your users to continuously modernize and assess legacy applications for retirement or rationalization. We also utilize modern code to reduce inefficiencies by lowering operating costs, energy, and materials used across the estate (via CAP 360).
- **Application Portfolio Management** launches a rationalization program, adding the carbon impact of applications as a decision criterion. This can deliver up to 11% operational cost savings and substantial carbon reductions through the development of sustainable architecture to rationalize applications.

- **Our market-leading toolset, eAPM**, underpins the above application portfolio management approach and offers a full view of your application energy and CO2 consumption. eAPM helps you monitor and regulate your CO2 footprint by data center, application portfolio, and CO2 emissions savings through decommissioning applications or moving to the Cloud.
- **Eco-design Applications** integrate environmental aspects right from the design phase of a web or mobile application and all throughout its lifecycle. While in helping you migrate to the Cloud, we work with you to choose a responsible Cloud provider calculate the provisional impact, and jointly commit to reducing your carbon footprint. Typically, this can result in up to 19% in cost savings through switching to a green Cloud architecture and framework.
- **Robotic Process Automation (RPA)** increases the accuracy of your processes and reduces failures and the material and energy required for rework (as well as the need for physical expansion).
- **Enterprise Virtual Visual Management (eVVM)** provides real-time information and KPI monitoring for each engagement. These dashboards can be tracked by the service delivery manager. This minimizes the need for any paper-based weekly established reports.
- **Capgemini's Intelligent Automation Platform** for Business and Business Insightful Services provide dashboards that simplify continuous measurement and bring in the right element of automation to reduce failures, materials, and the energy needed for rework.



SUSTAINABLE IT CULTURE: PEOPLE AND WAYS OF WORKING

People are the most important element in your sustainability journey. By setting and prioritizing corporate sustainability goals with your IT teams, your company can make positive cultural changes and drive a sustainable future. Capgemini can help you make these changes by modernizing applications, steadily updating your procedures, and providing an optimal platform to:

- **Optimize and remotely-enable your IT workforce** to reduce CO2 emissions from trips to office

- **Coordinate geographically-dispersed personnel** to deliver client intimacy without high travel and resource consumption
- **Migrate to Cloud-based productivity tools** to reduce overall and IT-specific energy needs (e.g., Laptops, desktops, etc.)
- **Build a net-zero mindset with a Sustainability Academy** to develop awareness and education, and anchor behavioral change.



STARTING YOUR JOURNEY TO A SUSTAINABLE FUTURE TODAY



Sustainable Enterprise IT Transformation with ADMnext in action: Helping a prominent manufacturer visualize and drastically reduce its Enterprise IT carbon footprint

A French multinational manufacturer that specializes in energy management and industrial automation solutions was looking to evaluate and cut its carbon footprint and reap a host of business benefits in the process.

So, Capgemini helped baseline and monitor the energy and carbon impacts of the company's IT estate and developed a set of visually-engaging dashboards to monitor performance. This resulted in a host of sustainable business and environmental outcomes, including:

- Identification of \$14 million in annual savings and a wide range of efficiency increases
- A clear picture of global IT CO2e footprint and energy use, and heightened collaboration between suppliers
- A comprehensive Green IT sustainability transformation that engaged the wider business
- Slashing of e-waste and a projected annual 35,000 tCO2e reduction in carbon.

SUSTAINABILITY BY EXAMPLE

Capgemini is wholly committed to sustainability and has set an objective to become Carbon Neutral by 2025 and Net Zero by 2030. To deliver on this, we've defined a groundbreaking [Sustainable Digital Strategy](#) to reduce our environmental footprint. We're committed to helping you do the same with [Capgemini's Sustainability Framework](#), which empowers organizations to accelerate their net zero transformation from commitment to tangible, sustainable achievements.

We would like to understand where you are on your sustainability journey and how we can help you drive sustainable operations, technology, and culture – and build the clean and profitable future you desire. Contact us below to reap all the benefits Sustainable Enterprise IT Transformation with ADMnext has to offer your business.



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About Capgemini

Capgemini is a global leader in partnering with companies to transform and manage their business by harnessing the power of technology. The Group is guided everyday by its purpose of unleashing human energy through technology for an inclusive and sustainable future. It is a responsible and diverse organization of over 325,000 team members more than 50 countries. With its strong 55-year heritage and deep industry expertise, Capgemini is trusted by its clients to address the entire breadth of their business needs, from strategy and design to operations, fueled by the fast evolving and innovative world of cloud, data, AI, connectivity, software, digital engineering and platforms. The Group reported in 2021 global revenues of €18 billion.

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