Green IT

Sustainability

Agenda

- Green IT by Definition
- Addressing Responsibilities & Figures
- SORINT’s Green IT Framework
- The Journey - The Make IT Green Model
- Offerings
- Why SORINT.lab
- Service’s delivery models

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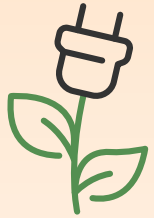
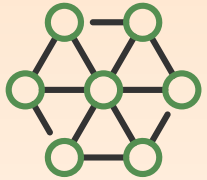
Green Information Technology

Accompany organizations on the path towards a more sustainable IT, helping reduce environmental impact and create responsible value.

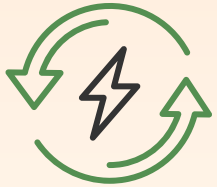
Eyes on **integrating environmental sustainability and business utilization:**



Reduction of emissions produced by IT



Holistic optimization of IT and operational resource utilization



Integrating sustainability into processes

Cost reduction

Supporting ESG reporting

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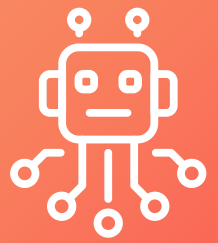
Strategical Business Importance

60% of organizations, by 2028, will integrate GreenOps and FinOps as a key means to optimize utilization and reduce costs.

An evaluation opportunity

Understand hidden financial costs, address underutilized resources, and make processes more sustainability-aware.

A modernization opportunity



Explore and introduce innovative solutions based on latest findings. Technological & operational-wise.

A win-win opportunity

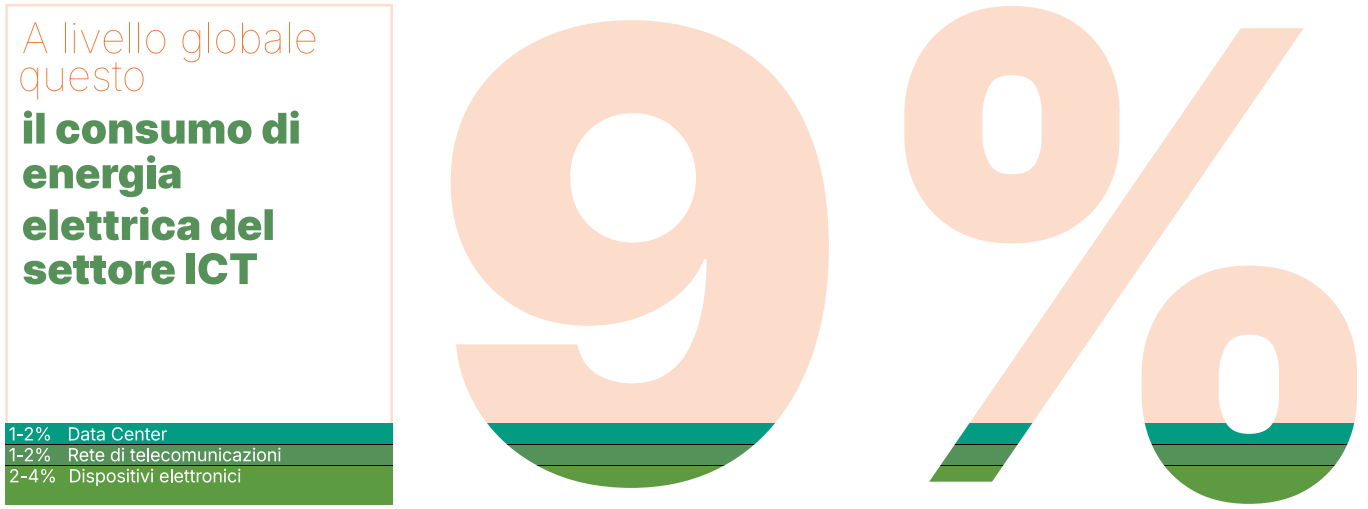
Foster a green brand reputation both internally and externally as an early adopter.

Strategical Responsibility

Make IT Green!
It’s time about time

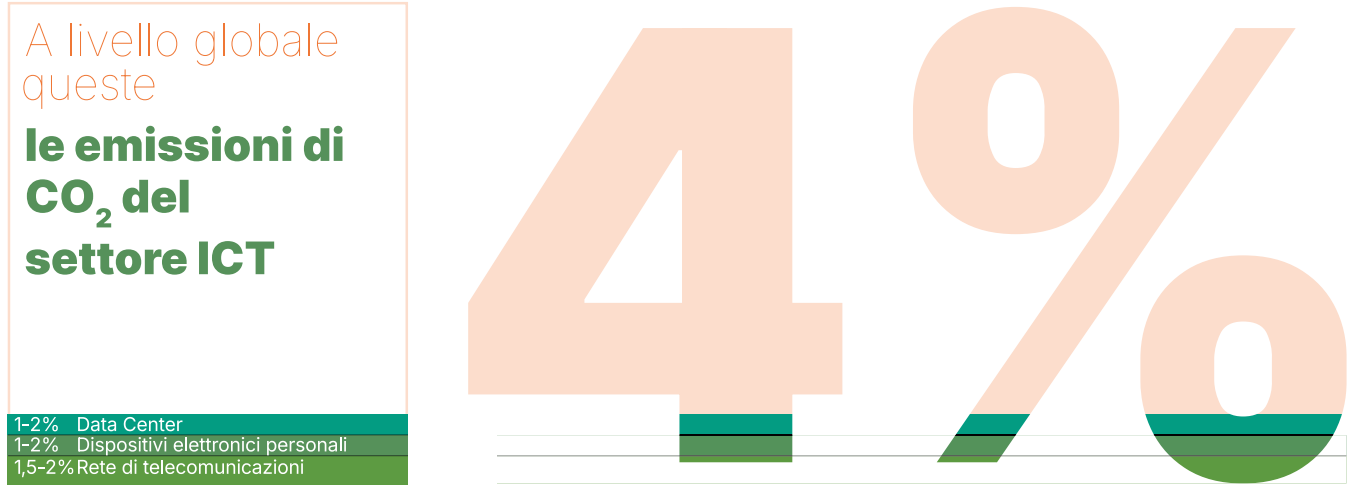
A livello globale questo

il consumo di energia elettrica del settore ICT



A livello globale queste

le emissioni di CO_2 del settore ICT



Addressing our Responsibility

Main critical issues in the IT sector

High power consumption
Continuous power supply for data centers, devices and digital networks.

Intensive water consumption
Required to cool data centers and produce hardware components.

Greenhouse gas emissions
Caused from production, transportation, and the use of digital technologies.

Use of rate & critical raw natural resources
Such as lithium, cobalt and rare earths, which are difficult to extract and recycle.

Chemical pollution in IT production
Use of toxic substances and risk of environmental contamination.

Low effective recycling rate
Only a minimal portion of IT materials is actually recovered.

Production of electronic waste
Rapid replacement of devices, even when still functioning.

Land consumption & territorial impact
Construction of data centers, towers, antennas and other digital infrastructure.

SORINT's 8 Green IT

Framework & Scope

Request on www.sorint.com

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SORINT's 8 Green IT Framework & Scope

1 End-to-end

An inclusive activities. From culture & metrics measurement, to the technical implementation.

2 Vendor and cloud provider independent

Maximum objectivity, value, and flexibility.

3 Full coverage

End-user, data center, cloud, processes, green coding, green AI, & governance.

4 Measurable results

KPIs, benchmarks, environmental and operational impact indicators.

5 Adaptable

Modular and dynamic according to your organization's maturity, business, and IT's portfolio.

6 Collaborative

Integrates IT, HR, Procurement, and other relevant organizational departments or committees as needed.

7 Aligned with ESG strategies

IT as a measurable and integrated lever in reporting.

8 Cultural activation

Awareness, training, change management.

The Make IT Green Model

Framework's adoption goals & key deliverables

Dissemination

Spread awareness of Green IT at all levels of the organization.
Integrated communication, supported by internal engagement activities such as training and workshops, fostered successful case studies.

Assessment Green IT

Assess the digital footprint and the level of maturity.
IT infrastructure analysis (end user, data center, cloud).
Detecting behaviors, policies and tools in use.

Green IT Transformation

Implement concrete actions to reduce the environmental impact and increase efficiency.

Activities and scope example:

- Enhance IT policies and processes.
- Sustainable practices for managing end-user technology
- GreenOps & FinOps Implementation.
- Introduction of green coding practices and sustainable software development.

KPIs & Sustainability Reporting

Introduce objective metrics to guide evolution and integrate into the ESG strategy.
Definition of IT environmental KPIs, quantifiable/measurable parameters, the required reporting tools and overall reporting mechanism.

Green IT Offering

Dissemination
We support your Green IT journey through workshops, white papers, and specialized consulting services designed to raise awareness and guide the development of an effective and measurable Green IT strategy.

GreenInfra
Optimize on-premises infrastructure and data centers to improve energy efficiency and reduce emissions through technical analysis, architectural review, and adoption of best practices for more sustainable and efficient IT.

Green AI
Design and optimize Artificial Intelligence solutions while reducing environmental impact through more efficient models, energy analyses, and sustainable practices throughout the AI lifecycle.

1 **Assessment & Reporting**

2 **Green Digital Workplace**

3 **GreenOps**

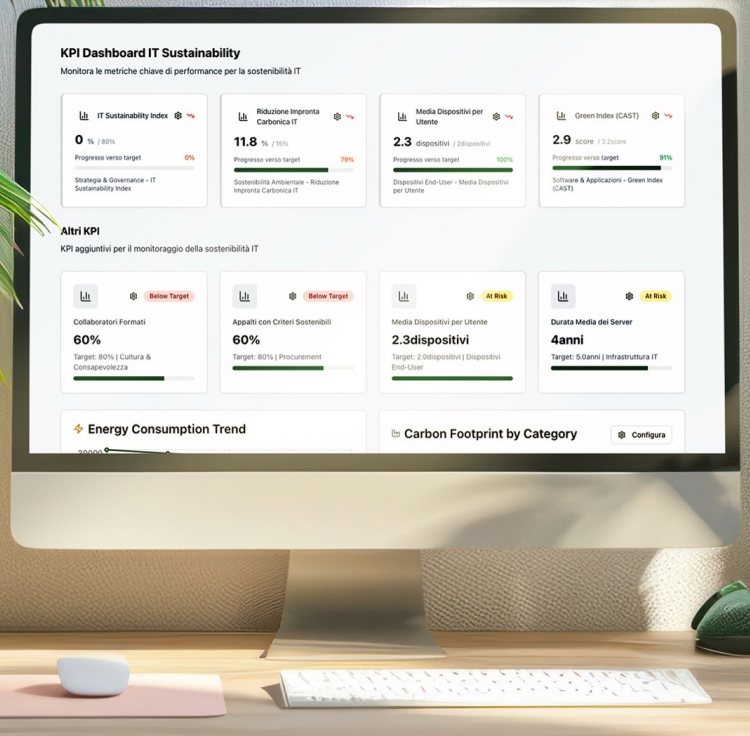
4 **FinOps**

5 **Green Coding**

1 Assessment & Reporting

Panel constitutes 60 best practices and 20 KPIs

- Strategy & Roadmap
- Culture & Awareness
- Organization
- Procurement
- End-User Technology
- Data Center
- IT Infrastructure & Services
- Applications & Software



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2 Green Digital Workplace

Offering

Improve the efficiency and sustainability of IT services on the user side through analysis, guidelines, and targeted interventions on devices, usage behaviors, and configurations, promoting a more responsible Digital Workplace.

Endpoint device optimization

Analyze equipment, fleet and define upgrade, replacement, or decommissioning strategies to reduce energy consumption and extend device's life.

Monitor & analyze behavioral usage

Collect data on devices and application(s) usage to identify unsustainable habits and propose targeted corrective actions.

Awareness & training on sustainable IT

Information campaigns and workshops to raise employee's awareness on environmental impact of daily digital activities.

Sustainable configurations by design

Adoption of configuration policies that prioritize energy saving, automatic management of suspension and reduction of standby consumption.

Guidelines for the responsible use of digital tools

Creating and disseminating best practices for the efficient use of technology, focusing on digital meetings, printing, email management, and archiving. For instance.

Digital Workplace sustainability reporting & KPIs

Mechanism of periodic reporting to measure and track the evolution of digital consumption, with key indicators related to efficiency and environmental footprint.

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3 GreenOps

Offering

Environmental footprint analysis & initial baseline
Detection of CO_2 emissions and resource usage, integrating the data with FinOps data.

Environmental KPIs & sustainability dashboards
Configuring dashboards on dedicated tools and defining KPIs.

Cloud sustainability policy & Tagging
Review governance and tagging policies to support environmental metrics (e.g., workload efficiency, location, hours of use).

Improvement strategy & roadmap
Document with operational and strategic recommendations (e.g. rightsizing).

Integrated governance & concrete actions
Support the integration of sustainability into cloud management practices, aligning Green IT with the organization's ESG objectives.

On-demand

Remediation plan
Implementation of the remediations identified by the services.

Project-based

Infrastructure review
- Application Structure Analysis
- Infrastructure Component Analysis
- Performance Analysis
- Documentation refactoring

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4 FinOps

Offering

Adoption of the complete FinOps framework
Structured implementation of the FinOps methodology across the entire tenant, with a scalable and continuous approach.

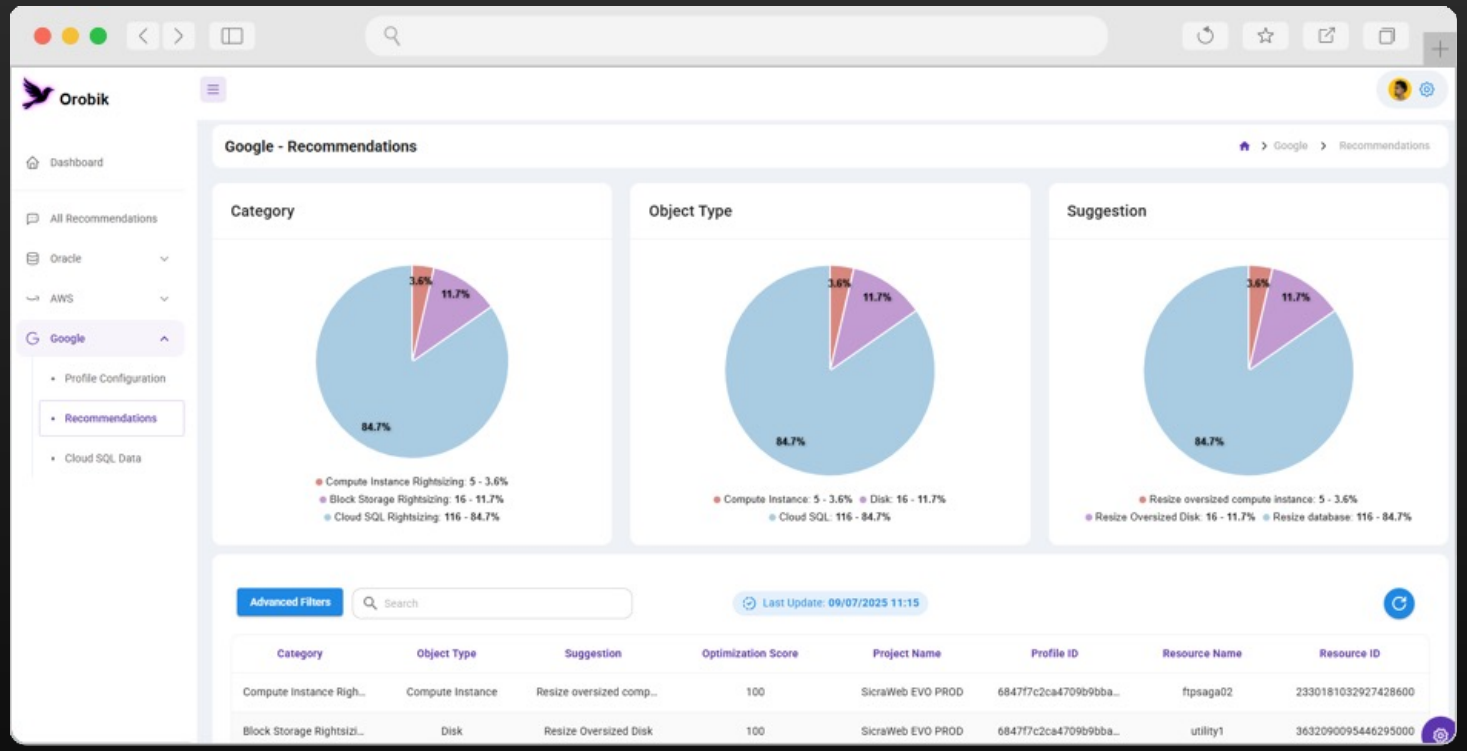
Tagging & governance for granular visibility
Enable tagging policies to map projects, subscriptions, and services in a transparent traceable way.

Reporting & KPIs for continuous improvement
Publish detailed reports to identify inefficiencies and areas of cost optimization.

Cloud spend forecasting & planning
Predictive analysis and support for defining a cost and impact monitoring plan.

Cost monitoring and control
Collecting and analyzing consumption and cost data, with thresholds, alerts, and timely identification of anomalies.

Periodic advisory & infrastructure review
Monthly advisory sessions with operational and strategic recommendations to contain costs and improve efficiency.



5 Green Coding

Offering

Develop sustainable software or improve the efficiency of existing ones. The approach includes code optimization, energy impact analysis, sustainable design practices, and developer training.

Assessment
Evaluate the sustainability level of code and technology stack, using metrics and benchmarks.

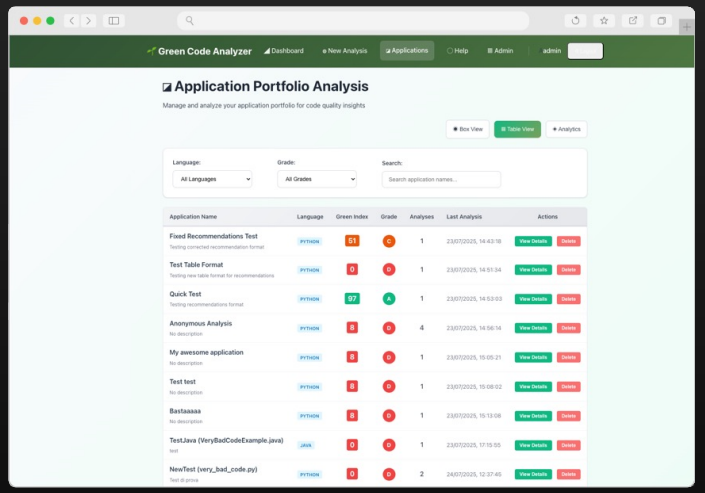
Training & culture
Training sessions for developers and IT teams on green coding methodologies, tools, and best practices.

Code refactoring & optimization (project-based)
Targeted interventions to reduce the environmental impact of applications through optimization of algorithms, architectures, and processes.

Green coding guidelines & standards
Definition and dissemination of corporate policies for sustainable software development.

Automation & efficiency metrics
Implementation of automatic tools for monitoring application performance and energy consumption.

Periodic advisory & ongoing monitoring
Ongoing support to ensure the long-term adoption of Green Coding practices and their improvement over time.



Behind the Make IT Green Model

Experience

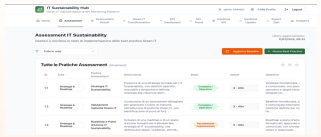
Managing & Operation

IT infrastructure of prominent organizations in Europe, US, and Africa

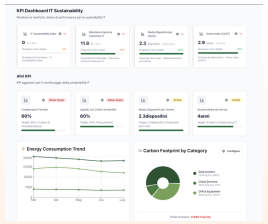
Strategical & Practical Driven-experience

IT Sustainability Hub

SORINT's portal for status tracking & evaluation of initiatives.



Ready Assessment Portals Allowing a Jumpstart!



130+ entity Certification & Training

Top-tier in all relevant fields & domains.
Certified "Training Partner" to key vendors.

Tackling challenges with SORINT.lab

sircles

A framework which allows effective collaboration across specializations, maximizing value by involving experts from every field. Smoothly!

End-to-end Technology Support

Holistic IT & governance capabilities, rather than a point solution

100% Vendor Independent – Purpose

Believe in technology that fosters innovation and human wellness. Our commitment towards every company, institution or community is to help them run their business and solve their problems through a choice of the best technology.

98% Customer Retention Rate

Service's Delivery Models

Consultation
Assessment includes analyzing Green IT maturity, defining environmental KPIs, and produce clear and reliable sustainability reports.

Project solution
Carry out executional activities concluded in assessment to certain areas, project based.

End-to-end
Green IT Assessment & Reporting, Dissemination, Digital Workplace, GreenOps & FinOps, Green Coding, GreenInfra, Green AI.

Request case studies

We are all ears!
A discovery call with a technical engineer, or a business representative.
welisten@sorint.com
www.sorint.com/contact

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A formal business blog, SORINTian's vibrant space with a transparent and unique writing style, or dedicated cybersecurity publications
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