

Sustainable AI

Service Definition Document

Sopra Steria



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1 About Sopra Steria

1.1 Overview

About Sopra Steria

Sopra Steria, a major Tech player in Europe with 50,000 employees in nearly 30 countries, is recognised for its consulting, digital services and solutions. It helps its clients drive their digital transformation and obtain tangible and sustainable benefits. The Group provides end-to-end solutions to make large companies and organisations more competitive by combining in-depth knowledge of a wide range of business sectors and innovative technologies with a collaborative approach. Sopra Steria places people at the heart of everything it does and is committed to putting digital to work for its clients in order to build a positive future for all. In 2024, the Group generated revenues of €5.8 billion.

The world is how we shape it

Sopra Steria (SOP) is listed on Euronext Paris (Compartment A) – ISIN: FR0000050809 For more information, visit us at www.soprasteria.com

50,000

employees

€5.8bn

2024 revenue

Top 5

European digital
services companies

In nearly

30

countries



1.2 Our Data & AI Capability

Sopra Steria's Data & AI Practice brings together advanced data engineering, analytics, and AI expertise to unlock value and accelerate transformation for our clients.

- Delivering comprehensive data and AI solutions, including strategy and advisory, data platform modernisation, advanced analytics, machine learning, generative AI and responsible AI implementation
- Integrating deep capability across data management, engineering, governance and AI technologies, supported by industrialised accelerators and frameworks to enable solutions across regulated, hybrid, and sovereign environments
- Using an end-to-end delivery model that combines business insight, engineering excellence, ethical AI principles, and robust governance—ensuring continuous innovation, trust, and measurable business outcomes throughout the full data and AI lifecycle.

1.3 Our Credentials

Capacity

More than 15,000 cloud experts in 30 countries
(Vision, Ops, Design, Scale)

Market recognitions

- Large account (best category>\$250m) in the "Public Sector Industry Cloud Landscape" (Forrester)
- Leader "Cloud public in Europe" & "Next Gen Private & Hybrid Cloud" (ISG)
- Leader "Cloud Infra Brokerage" (NelsonHall)
- Best in Class "Azure" & "SAP" & "Service Now" (PAC Radar)
- Leader "Cloud Native Application" & "Application Transformation Services" (Quadrant)
- Major Contender "Cloud Services" & "Cloud Native Applications" & "Services on AWS Azure & CGP" (Everest)

Key partners



Main market recognitions

2nd in IT Services in France and 10th in EMEA*

Cybersecurity	Digital	AI	IT for Green	Cloud			
• Leader "Cyber resiliency services" (NelsonHall) • Leader "cybersecurity" in France & Germany (ISG) • Top 5 "cybersecurity" in France (Markess)	• Leader "Application Transformation Services" (Quadrant) • Leader "Digital Banking" (NelsonHall) • Leader "Digital Banking Services" (ISG) • Major Contender "Digital twin Services" (Everest) • Innovator "Digital Manufacturing" (NelsonHall)	• Leader AI Services & Gen AI (PAC Innovation Radar) • Leader AI Services (Quadrant) • Leader "Intelligence Process Automation" (Quadrant) • Major player "European Professional Services for Data-Drive" (IDC) • Major contenders "AI services" & "Intelligent Process Automation services" (Everest)	• Leader "ESG for Banking Services" (NelsonHall) • Best in class "consulting and digital services for sustainable development" (PAC Innovation Radar) • Major Contender "NetZero Consulting Services" (Everest)	• Large account (best category>\$250m) in the "Public Sector Industry Cloud Landscape" (Forrester) • Leader "Cloud Infra Brokerage" (NelsonHall) • Best in Class "Azure" & "SAP" & "Service Now" (PAC Radar) • Leader "Cloud Native Application" & "Application Transformation Services" (Quadrant) • Leader "Cloud public in Europe" & "Next Gen Private & Hybrid Cloud" (ISG) • Major Contender "Cloud Services" & "Cloud Native Applications" & "Services on AWS Azure & CGP" (Everest)			
							

* Source PAC 2024

PAC

Sopra Steria is formally recognised by **PAC** as one of **Europe’s leading providers of AI and Generative AI services**. In the **2024 PAC Innovation Radar for AI related Services in Europe**, Sopra Steria achieved a **"BestinClass" overall rating**, the highest classification awarded and achieved by only a small number of providers assessed. PAC evaluated 28 organisations across portfolio strength, vision, strategy, and client delivery.

PAC rated Sopra Steria **BestinClass** in several specialist AI domains, including **Generative AI, back office AI, and digital customer engagement**, and identified Sopra Steria as the **top rated provider in Europe for AI related services in Human Capital Management**. PAC further highlighted Sopra Steria’s commitment to **sovereign and trusted AI**, including data transparency, opensource approaches, regional hosting, and strong public sector delivery credentials across Europe.

TechMarketView

Sopra Steria is recognised by **TechMarketView** as a **Disruptor and Innovator** in the application of Artificial Intelligence to enterprise and backoffice operations. In its **AI Impact: Back Office Operations** research, TechMarketView identifies Sopra Steria among the suppliers using AI to **differentiate their value proposition and drive material change** across traditionally manual and process heavy functions.

TechMarketView research highlights Sopra Steria's use of **AI enabled automation, Generative AI, and industry specific solutions** to transform back office services, including HR, finance, and business process services. This recognition reflects Sopra Steria's ability to combine **deep industry knowledge, AI engineering capability, and partner ecosystems** to deliver tangible productivity gains and operational outcomes for clients.

By being named a **Disruptor and Innovator**, Sopra Steria is recognised by TechMarketView as a provider that is actively reshaping how organisations adopt and realise value from AI, rather than incrementally enhancing legacy service models.

NelsonHall

Sopra Steria is recognised as a **Leader** by **NelsonHall** in its **2025 NEAT assessment for "GenAI-Enabled Operational Transformation"**, including a Leader position in the **Overall** category. NelsonHall identifies Sopra Steria as a Leader for its ability to **industrialise Generative AI**, moving beyond pilots to deliver **secure, scalable, production ready GenAI solutions** that generate measurable operational outcomes. Sopra Steria is rated as a Leader across multiple categories, including:

- GenAI-Enabled Operational Transformation (Overall)
- Development of custom GenAI solutions
- GenAI support for Business Process Services
- Understanding and aligning GenAI to operational requirements

NelsonHall highlights Sopra Steria's **impact driven AI strategy**, including the establishment of AI factories for largescale deployment, integration of industry specific GenAI solutions, and the rapid delivery of operational value for public and private sector clients.

2 Service Overview

2.1 Service Description

Sopra Steria's Sustainable AI offering helps organisations reduce the environmental impact of AI across energy, water, and resources. Using the STAR framework, we guide clients from strategy to action, measuring and optimising AI's footprint, ensuring compliance, and delivering sustainable, efficient, and responsible AI solutions that align with Net Zero goals.

2.2 Features

- Deploy EcoMindAI to assess environmental impact of AI models
- Measure AI's energy, water, and resource use with G4IT
- Quantify and optimise AI carbon and electricity consumption
- Calculate lifecycle impacts of cloud and on-premises AI
- Run scenarios to demonstrate sustainability optimisation potential
- Integrate sustainability checks into AI governance processes
- Provide actionable recommendations for reducing AI's footprint
- Enable transparent reporting on AI environmental metrics
- Support Net Zero and ESG compliance for AI projects
- Deliver training and tools for sustainable AI adoption

2.3 Benefits

- Reduce AI's environmental impact to meet Net Zero targets
- Lower operational costs through energy-efficient AI solutions
- Access expert guidance on sustainable AI practices
- Improve compliance with sustainability and ESG regulations
- Enhance brand reputation as a sustainability leader
- Gain actionable insights into AI's resource consumption
- Prioritise high-impact sustainability initiatives for your organisation
- Increase employee engagement with responsible AI adoption
- Demonstrate measurable progress towards sustainability goals
- Support circular economy and eco-design in AI projects

2.4 Our Approach

Our approach to Sustainable AI consulting is anchored in the STAR framework (Strategy, Tally, Action, Review) guiding clients from initial vision through measurable impact and continuous improvement. We work closely with organisations to align AI initiatives with sustainability goals, ensuring every engagement is tailored to unique business priorities and regulatory requirements.

We begin by defining a clear strategy, engaging stakeholders to identify sustainability objectives and prioritise AI

use cases that deliver both business value and environmental benefits. Our consultants leverage proven methodologies and best practice frameworks to ensure robust governance and ethical AI adoption from the outset.

Next, we implement measurement tooling to tally the environmental footprint of AI systems, quantifying energy, water, and resource consumption across the full lifecycle. This data-driven approach enables clients to understand their current impact and benchmark against industry standards. We deploy G4IT, our Sustainable IT Platform, which measures the lifecycle footprint of IT services and infrastructure using open-source methodologies (NumEcoEval and Boavizta) aligned with ISO 14040/14044 standards. In addition, we will deploy EcoMindAI, a Sopra Steria developed open-source tool which measures and reduces the water usage, energy usage, carbon emissions and abiotic resource use of LLMs.

With actionable insights in hand, we develop and deliver targeted action plans to reduce the environmental impact of AI, optimise operational efficiency, and deploy AI for sustainable outcomes. Our teams support the integration of eco-design principles, circular economy practices, and transparent reporting into every solution.

Finally, we review progress through continuous monitoring, audits, and stakeholder feedback, ensuring that sustainability remains a core consideration as technology and business needs evolve. Our commitment is to help organisations achieve Net Zero targets, demonstrate ESG leadership, and unlock long-term value from responsible AI.

2.5 Inputs

We would expect the following inputs from you as part of this service:

- Access to relevant AI and sustainability datasets
- Business sustainability objectives and key performance indicators
- Availability of stakeholders for sustainability workshops
- Compliance, ESG, and regulatory requirements
- Details of current AI models and infrastructure
- Existing AI initiatives and sustainability pain points
- Information on current reporting and measurement tools
- Organisational sustainability policies and Net Zero commitments
- Data on energy, water, and resource consumption
- Access to IT, data, and sustainability leadership teams

This is a high-level list and is not exhaustive.

2.6 Outputs & Deliverables

Some of the outputs and deliverables generated from the service are identified below:

- Sustainable AI readiness assessment report
- Strategic roadmap with prioritised sustainability use cases
- Environmental impact measurement and benchmarking report
- Sustainable AI proof of concept solutions
- Governance and compliance framework for AI sustainability
- Action plan for reducing AI's environmental footprint
- Plan and approach for implementing Eco-design principles into AI development lifecycle
- Stakeholder workshop materials and summary findings

- Implementation plan with resource and timeline model
- KPI dashboard for ongoing sustainability monitoring
- Final review and continuous improvement recommendations

This is a high-level list and is not exhaustive.

2.7 Certifications & Skills

Some of our certifications and skills related to this service are identified below:

- AWS and Azure certified partner with individual certifications across architecture, development, AI and security
- Cyber Essentials Plus certified
- Cloud Architecture
- Cloud Solution Engineering
- Application Architecture
- Application Development
- AI Architecture, development, training and prompt engineering
- Data science
- DevSecOps
- Scrum, Kanban and Prince2 practitioner certification
- Business Advisory
- Business & Data analysts
- Business Change
- User experience and service design

This is a high-level list and is not exhaustive.

3 Pricing

Please refer to the Pricing Document for this Service.

4 Next Steps

4.1 Contact

Please contact us if you would like to know more about any of our listings on G-Cloud.

Email: sector-support@soprasteria.com

As all of our G-Cloud enquiries initially come into a single contact, please remember to tell us:

- Your name, your organisation name and contact details
- Which service you are enquiring about
- A brief summary of your requirements or problem statements that you would like support to address.

4.2 More Information

More information about our services and capabilities can be found on our website [here](#).

