Your CSR partner

Darwin X value proposal

2025

Our CSR services

Discover the pillars of our offering designed to support our clients in implementing these complex transformations

1

CSR Strategy

You wish to initiate a CSR approach, align yourself with regulations, or expand your existing strategy

2

Climate strategy

You wish to implement a climate strategy that combines an ambitious low-carbon trajectory, risk and opportunity management, and appropriate governance

3

Responsible digital technology

You want to align the IT department's strategy with the environmental objectives of CSR

And find out more about us in the appendix on page 11

Towards Digital Sufficiency

Context & Challenges

Our convictions

Our approach

Digital sustainability

You want to **align the IT department's strategy with the environmental objectives of CSR**.

Context & Challenges:
'Dematerialisation' means materialising in a different way'

The REEN law (Réduction de l'Empreinte Environnementale du Numérique, or Reduction of the Environmental Footprint of Digital Technology) recognises the need to address the growing impact of digital technology.

The business world is beginning to realise what is at stake.

Numerous initiatives in Europe and France aim to better understand the environmental impacts of digital technology and curb them – digital missions of large corporations, Cigref white paper, REEN law, High Commission for Eco-Responsible Digital Technology, etc.

An essential strengthening of the approach

Digital technology is often treated superficially in CSR policies, its impact and dynamics underestimated and its levers poorly identified – partly due to misleading communications from certain suppliers. However, mastering this trajectory is key to the climate strategies of highly digitised companies.

What about new technologies?

The digitisation of business models and new technologies such as AI are contributing significantly to the deterioration of the balance sheet. New approaches are needed for the responsible use of emerging technologies.

**What about you? Is your climate strategy aligned with your digital strategy?**

Our convictions:
Another kind of digitalisation is possible

Integrating digital environmental issues is now fundamental to business transformation.

A holistic and consistent approach is needed to incorporate them into IT strategy.

Digital Transformation

Investment capacity

Digital Sobriety

Streamlined architectures

Low carbon Solutions

Governance

Responsabilisation

IT Frugal

IT cost optimisation

Digital Sustainability
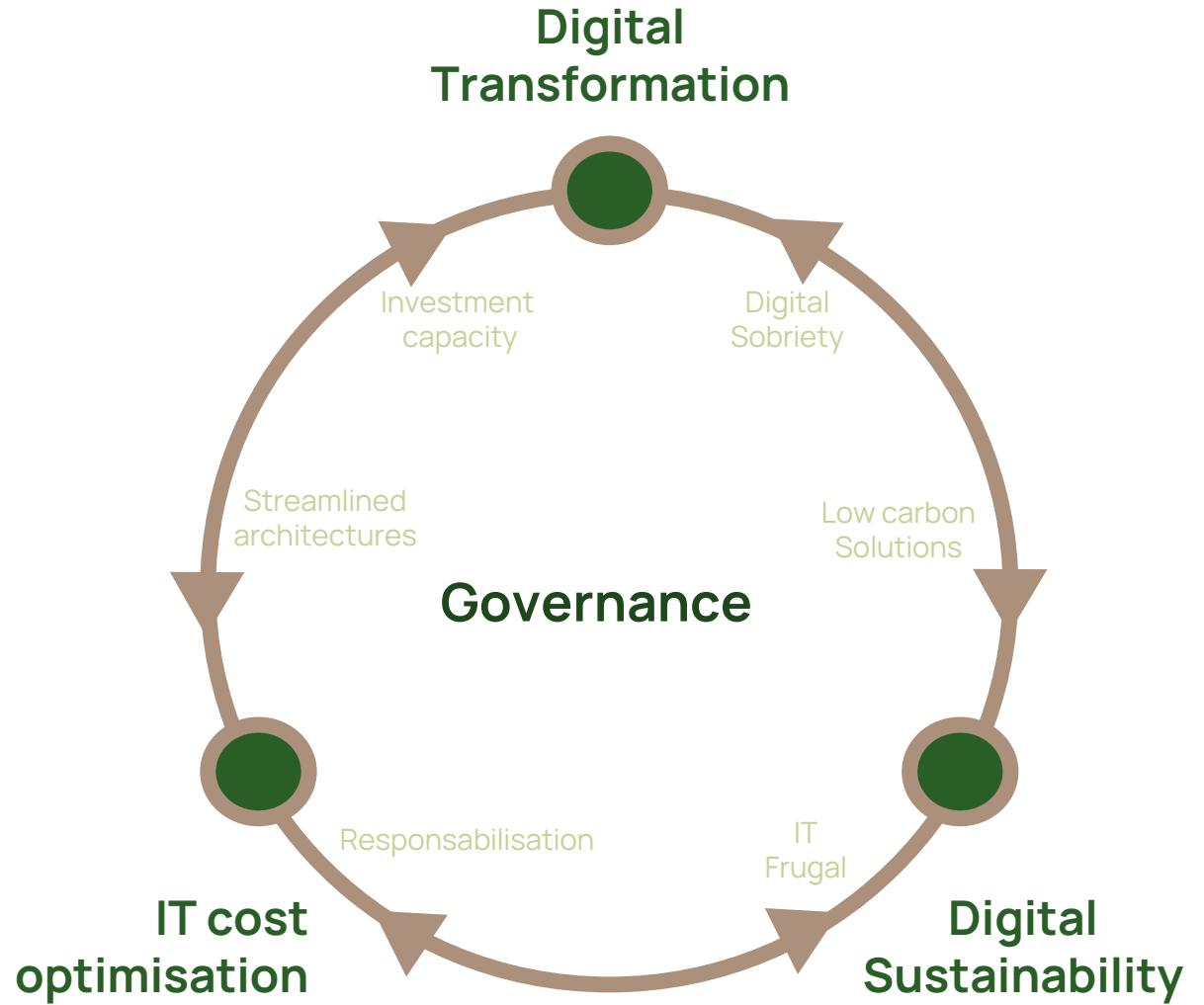
Our convictions:
acting on four operational pillars

Levers **Areas**

Sensibilisation	• Directors
Events	• Sales managers
Formations	• CIO/CTO/Architects
Community	• CSR champions
Social networks	• IT operations
Good practices	• Users

Engage

Collaborators

Process

• Purchasing	Eco practices
• Suppliers	Remuneration
• Service catalogue	Evaluation
• Equipment policy	Agility & Lean
• Working methods	Circular economy
	Usage change

Change

Optimise

Tech architecture	
Asset management	• Devices (computers, phones, etc.)
Energy optimisation	• Data centres
Server optimisation	• Servers
PUE optimisation	• Network
Usages optimisation	• Cloud

Hardware

Software

• Websites	App. architecture
• Front-end applications	Eco-design
• Back-end applications	Eco-coding
• Middleware	Data efficiency
• Databases	Algos/models opt.
	Version management

Construct

Our approach

Objectives

- Réaliser le **diagnostic** et le **bilan** des postes **d'optimisation carbone** de votre Système d'Information
- Identifier les **risques, les impacts et les opportunités** liés au climat en lien avec votre patrimoine numérique
- Définir le **plan d'action** en accord avec les **trajectoires SBTi** et votre stratégie Climat
- **Engager** l'ensemble des parties prenantes à la démarche

Delivrables

- **Sessions** de **sensibilisation** (COMEX, CODIR, Middle-management) et **formations** des opérationnels
- **Bilan Carbone** détaillé des services numériques et identification des **leviers**
- **Outil d'évaluation** carbone des projets **d'investissement** et adaptation de la **gouvernance**
- **Revue d'architecture** et plan de **transition**
- **Trajectoire carbone** basée sur les trajectoires **SBTi**

Approach

| Parallelise to maximise impact |

| Analyses included Carbon Footprint | Infra, Archi, Dev review |
| | Action Plan & Trajectory |

| Awareness raising and training |

Option – Serious game "Carbon-X"

Our commitments to the Sustainable Digital Ecosystem (HCNE, The Shift Project, Boavizta, etc.) contribute to the sector's growing maturity.

Our approach

IT emissions distribution in Corporate GHG Footprint

| Scope	Category	Category description	Emissions 2023 (tCO2e)	Own IT Operations	IT Infrastructure &Services	IT emissions (%)
Scope 1	1	direct emissions from stationary combustion	149	30	2	
	2	direct emissions from mobile combustion	43	0		
	3	direct process related emissions				
	4	direct fugitive emissions	148	30		
	5	direct emissions from LULUCF				
		Total Scope 1	340	59	2	
Scope 2	6	indirect emissions from imported electricity consumed	2,981	388	1,042	
	7	indirect emissions from consumed energy imported through a physical network (excl. electricity)	86	17		
		Total Scope 2	3,066	405	1,042	
Scope 3	8	energy-related activities not included in direct emissions and energy indirect emissions	271		95	
	9	purchased products and services	19,542	0	12,817	
	10	capital equipment	1,502	173	635	
	11	waste generated from organizational activities	104	17	20	
	12	upstream transport and distribution				
	13	business travel	2,718	54		
	14	upstream leased assets				
	15	investments				
	16	client and visitor transport				
	17	downstream transport and distribution				
	18	use stage of the product				
	19	end of life of the product				
	20	downstream franchises				
	21	downstream leased assets				
	22	employee commuting	399	80		
	23	other indirect emissions (DC operator own energy)	198		198	
		Total Scope 3	24,733	324	13,765	
		Total scope 1+2+3	28,139	789	14,809	

IT is the biggest driver to the firm's footprint

55% — IT footprint

Total GHG Emissions (teqCO2)
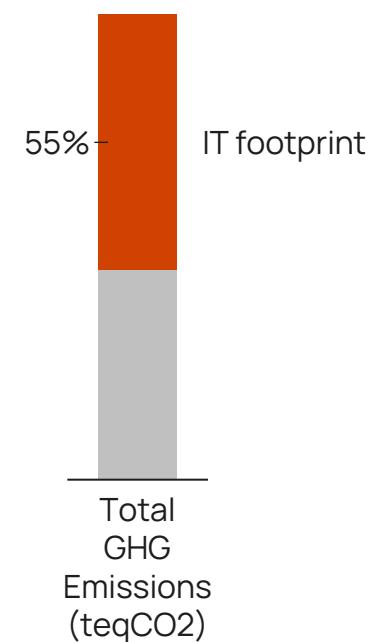
Exeamples of delivrables

Estimation des émissions de CO_2 liées aux équipements digitaux des employés
Tonnes de CO_2, sur une base de 19 000 employés

High Tech
Mid Tech
Extended

-72%

La politique d'équipement des employés peut permettre d'éviter jusqu'à **4000 tonnes de CO_2 par an**
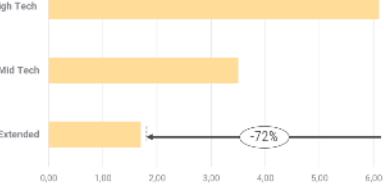
Principales hypothèses

• Tous les employés ont soit un ordinateur performant avec deux écrans, soit un pc portable performant
• Les équipements sont renouvelés tous les 3 ans

Estimation des émissions de CO2 liées à une consultation de la page d'accueil
g de CO2 (scope 2+3)

gCO2

Médiane

Les **sites internet** des marques ont le potentiel de **diviser par deux leur impact en CO2**
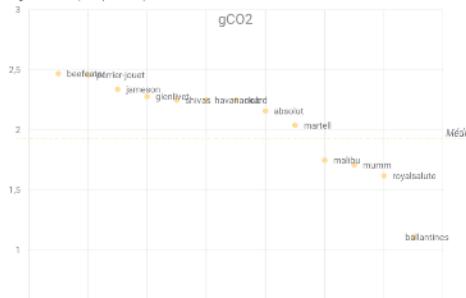
Vision à 5 ans : exemple de feuille de route -30%

140 — 15 — 20 — 5 — 16 — 10 — 5 — 100

en Kgs CO2e/an

2021 | Croissance +2%/an | Durées de Vie +30% | Zero Papier | Optimisation Data Center | Optimisation Poste Employé | « Ecoconception, ecomailing » | 2026
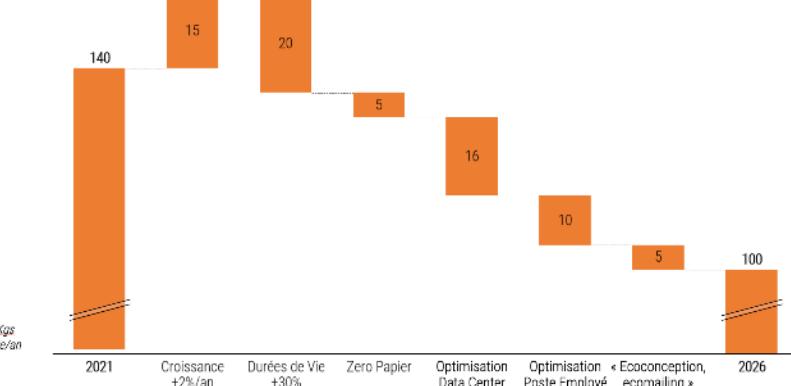
Azure
La **PreProd** pour près d'1/4 des impacts

25 T

Tonnes de CO2e

5,1

19,7

Par principaux services

■ PreProd tCO2e ■ Prod tCO2e

Azure App Service | SQL Database | Storage | Azure DevOps | Azure Database for MariaDB | Azure Database for MySQL | Application Gateway
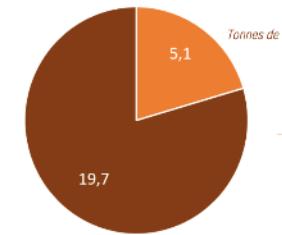
■ PreProd tCO2e ■ Prod tCO2e
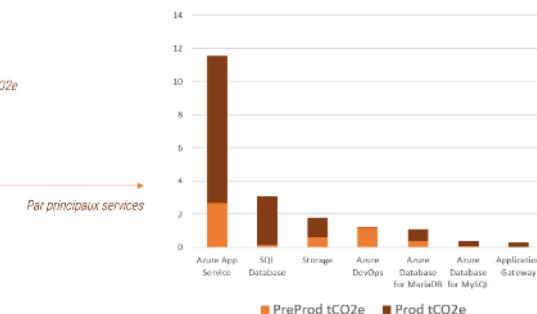
Example deliverable:
# Accelerate awareness with Carbon X

Why Carbon X

- Digital sustainability remains a very abstract concept for most people. Even simply understanding how climate change is linked to energy consumption and carbon emissions can be difficult.

- Digital technology now accounts for 4% of global emissions and over 10% of electricity consumption and continues to grow at an exponential rate. How many people around you can tell you the carbon footprint of building an iPhone, streaming a video, or sending an email?

- The Carbon X project aims to increase awareness and understanding of the environmental issues related to digital technology.

What is Carbon X

- Carbon X is a game integrated into Microsoft tools that allows employees to challenge themselves on the impact of their habits through carbon footprint assessments of their usage.

- The very first game we developed gives you access to tips and quiz every day. This content gives you points and raises awareness in your playing teams.

- We co-create the game and its content with CSR and IT teams based on the current eco-responsible digital strategy to tailor the messages to be conveyed
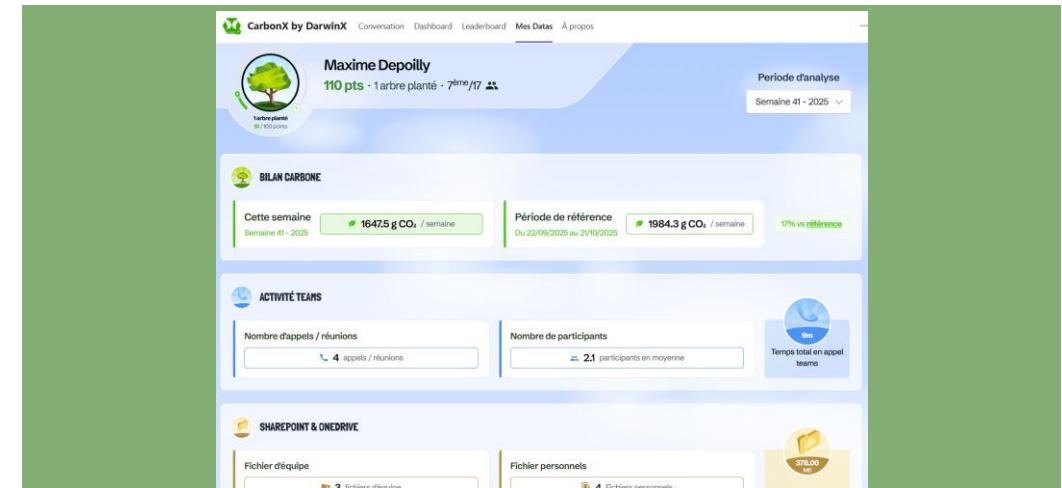
Who
We
Are

Why Darwin X?

An innovative consultancy firm

- We help our clients carry out complex transformations combining business and technology.

- We combine strategy and execution capabilities in short cycles that generate rapid change and visible results.

- We devote a large part of our energy to R&D, particularly in the field of CSR and sustainable digital technology, which has earned us Young Innovative Company certification.

Proprietary assets

- We build proprietary indices to assess and benchmark digital maturity, ESG and sustainable digital dimensions.

- We offer a catalogue of university-level CSR conferences and training courses, as well as gamification tools.

A committed team

- Strategy consultants, business architects, technical engineers, data scientists, AI experts and CSR specialists, we are thinkers and doers who combine our expertise to make an impact.

- Our CSR expert is a recognised contributor to eco-responsible digital technology in France, through his commitments to the HCNE, the Shift Project, the Boavizta association and the Grandes Ecoles d'Ingénieurs. He is a trainer with recognised training organisations.

- Our CSR consultants are facilitators of the climate fresc and the 2 Tonnes workshop.

Why Darwin X ?

Our support approach is collaborative and agile.

- We favour a **co-construction approach** with teams, using workshops that combine teaching and the production of deliverables, enabling them to:
    - grasp the full complexity of the issues;
    - understand impact measurement processes;
    - take ownership of the actions;
    - sustain the approach independently.

- Aware of **operational constraints**, we aim to maximise their added value in the project by limiting their contributions to predefined timeframes.

- We do not start from scratch; we take into account your specific requirements and the work already underway.

- We are **thinkers and doers**; we know how to take a step back but also how to be highly operational.

- We know how to **communicate with all stakeholders**, from top management to operational staff (business/IT, etc.), whose codes and culture we share.

Our team of CSR experts and consultants
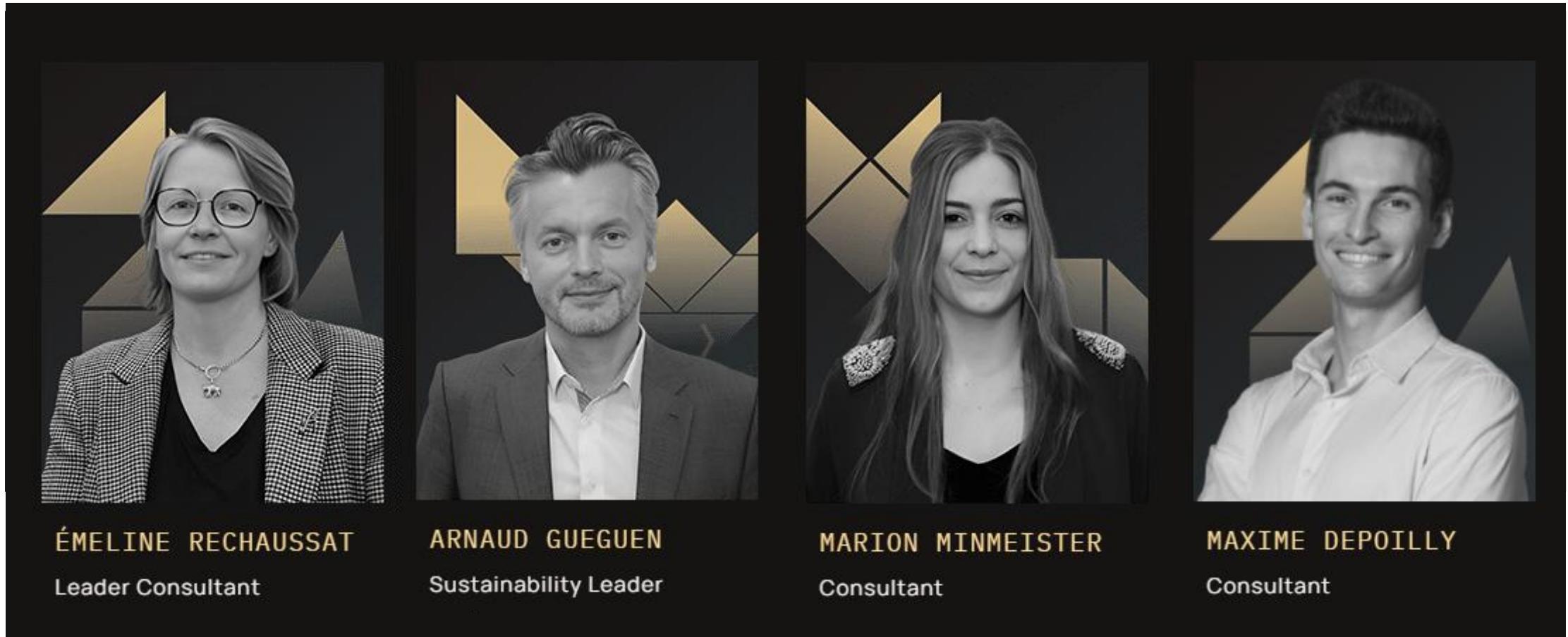
ÉMELINE RECHAUSSAT

Leader Consultant

ARNAUD GUEGUEN

Sustainability Leader

MARION MINMEISTER

Consultant

MAXIME DEPOILLY

Consultant

Some achievements

For the past four years, we have

- **Supporting international groups** from start to finish, from developing their CSR strategy and launching their transformation to publishing their DPEF, and now assisting them with **CSRD**, in **partnership with auditors** to ensure compliance upstream.

- We have carried out 'starter' missions on CSR, climate change and eco-responsible digital technology for **SMEs and mid-cap** companies, consisting of a short period of time spent raising awareness, measuring, defining ambitions and drawing up an **action plan**.

- Raised **awareness among senior management**, boards of directors and employees in various ways, including conferences, creative workshops and games, and **trained operational teams** on sustainability issues with a focus on eco-responsible digital technology.

- Developed **proprietary ESG indices for sector-specific** CSR assessments and internal CSR performance measurements.

Contributions to collective works on digital technology by our expert

Boavizta

Are the CO2 emission reductions promised by cloud providers realistic

TOGAF® Series Guide

Environmentally Sustainable Information Systems

THE Open GROUP

Together,
which area would you like us to invest in?

CSR Strategy

You wish to **initiate a CSR approach**, align yourself with **regulations**, or **expand your existing strategy**.

Climate Strategy

You want to **implement a climate strategy** that combines an **ambitious low-carbon trajectory**, **risk and opportunity management**, and appropriate **governance**.

Environmentally Responsible Digital Technology

You want to **align the IT** department's strategy with the environmental **objectives of CSR**.

Indice ESG