

Advancing Toward a Future-Ready Sustainable Enterprise



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In This InfoBrief

This InfoBrief explores how **future-ready sustainable enterprises** align **sustainability** and **digital transformation** to drive substantial **business value**. By embedding sustainability as a strategic advantage rather than just a compliance necessity, companies can achieve resilience and growth.

This document analyzes **digital solutions** that drive sustainable practices, enabling European companies to strengthen resilience, gain a competitive edge, and navigate evolving regulations like the **Corporate Sustainability Reporting Directive (CSRD)**.

Today, with heightened expectations from governments, investors, and customers, sustainability influences all facets of a business. By proactively addressing these expectations, companies are opening paths to **innovation** and lasting **value creation**.

This InfoBrief presents **practical steps** for embedding sustainability across operations and the value chain, offering a road map to becoming a future-ready enterprise that succeeds in today's complex regulatory and environmental landscape.



Why Sustainability Matters



Sustainability is a moral, business, and regulatory imperative, driving a collective movement among diverse stakeholders focused on decarbonization goals.

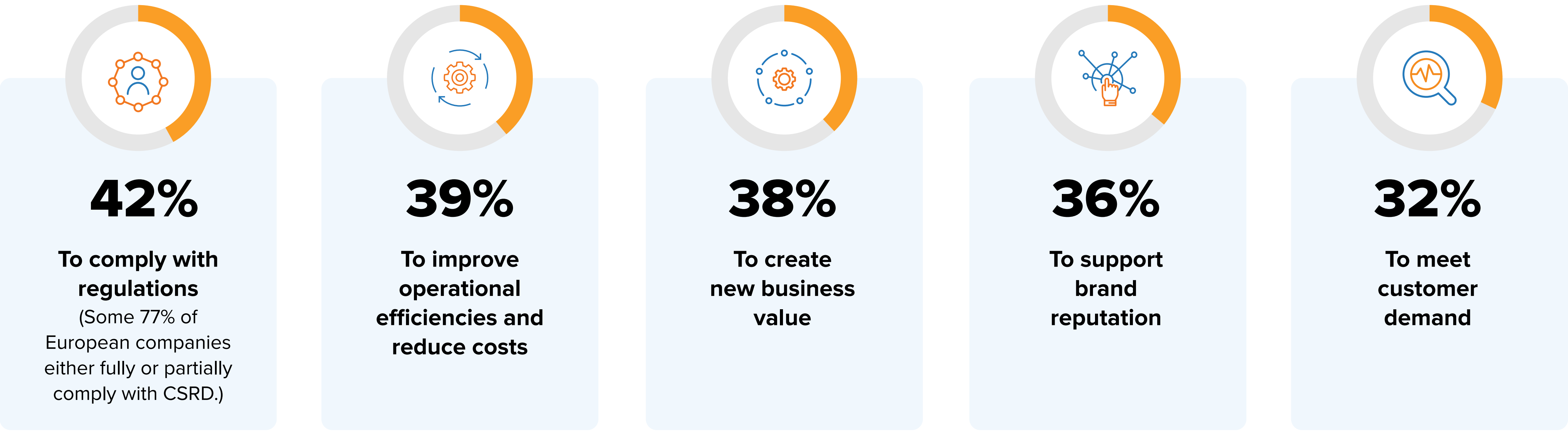
Sustainability is a *must* for sustained long-term value.



The Urgency of Sustainable Action

The momentum toward sustainability is accelerating in Europe, driven by regulatory imperatives and the weight of corporate net-zero pledges. The EU’s Corporate Sustainability Reporting Directive (CSRD), which mandates greater transparency and stringent reporting on environmental, social, and governance (ESG) practices, is at the center of this push. As a result, businesses are compelled to report their sustainability efforts and to align them with verifiable metrics that influence investor confidence, consumer trust, and regulatory compliance.

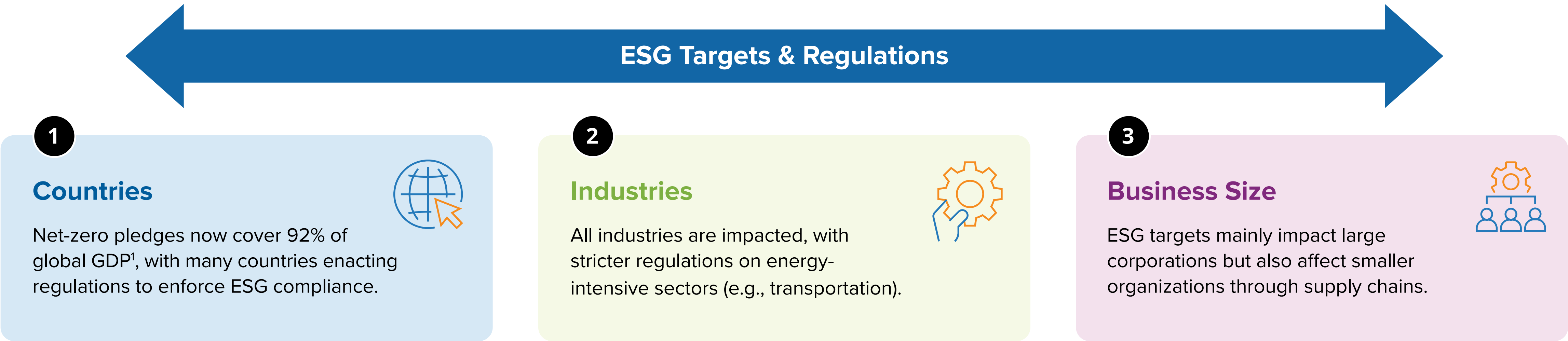
Why are European companies investing in sustainability?¹ (% of companies)



The **urgency is clear**. Failing to act today means not only missing out on competitive advantages but also risking compliance setbacks as regulations become more rigorous and interconnected across regions.

All companies face the ripple effects of sustainability requirements.

Sustainability requirements impact entire industries and regions. As large corporations set ambitious ESG targets, ripple effects reach small and medium-sized enterprises (SMEs) and partners, making sustainability a baseline expectation for all businesses in Europe. These connected companies create an ecosystem in which sustainability and “doing business” work together.

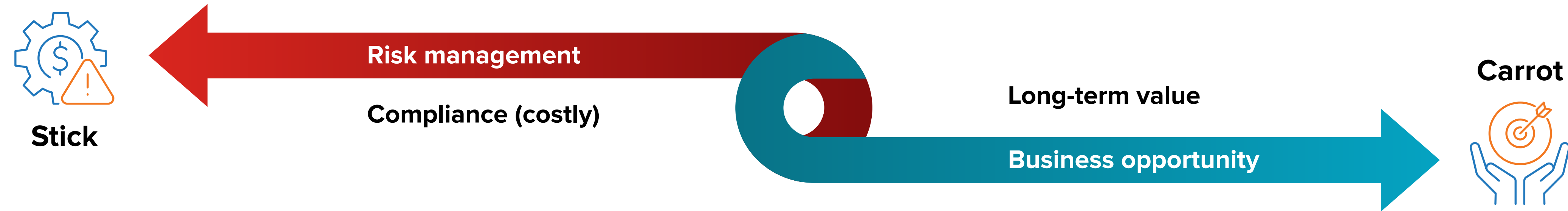


How to Become a Future-Ready Sustainable Enterprise



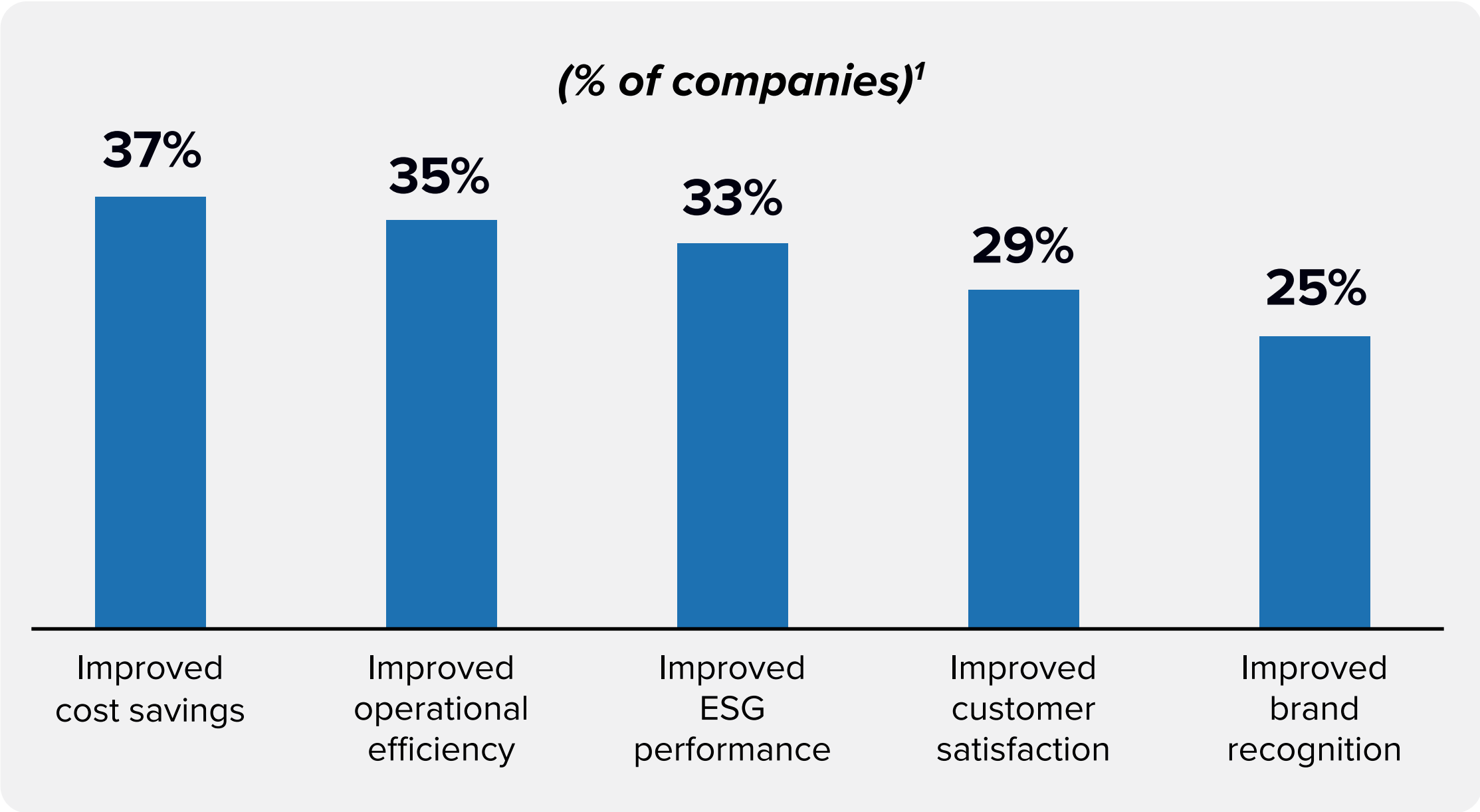
Progressing Through Incentives and Requirements

The journey to becoming a future-ready sustainable enterprise is complex. It requires organizations to respond to the “carrots” of market opportunities and value creation and the “sticks” of enforcement and regulatory compliance. This carrot-and-stick approach is essential for pushing companies to comply and innovate, creating solutions that align profitability with sustainability.



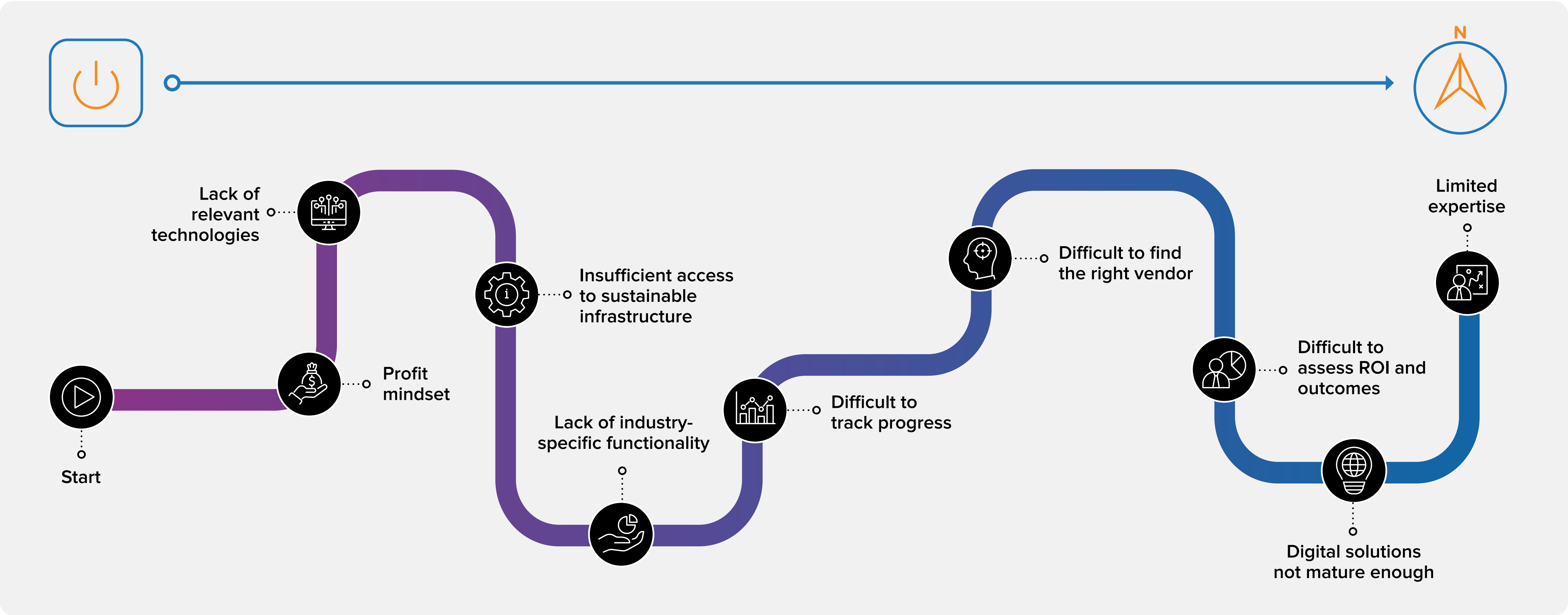
Companies must comply with various European regulations and frameworks aimed at promoting sustainability, including:

- [Corporate Sustainability Reporting Directive \(CSRD\)](#)
- [Corporate Sustainability Due Diligence Directive \(CSDDD\)](#)
- [EU Circular Economy Action Plan](#)
- [Waste Framework Directive](#)
- [EU Water Framework Directive \(WFD\)](#)
- [EU Air Quality Directive](#)
- [EU Nature Directives \(Habitats and Birds Directives\)](#)
- [Environmental Impact Assessment](#)



Key Challenges on the Path to Becoming a Future Ready Sustainable Enterprise

Transitioning to a sustainable business model presents complex challenges beyond compliance, as companies contend with budget pressures, data management hurdles, and limitations in digital capabilities¹. European firms must balance ambitious long-term sustainability goals with immediate business demands, leveraging digital solutions to stay agile in an evolving and competitive landscape.



To become a future-ready sustainable enterprise, organizations must incorporate the following four key components:



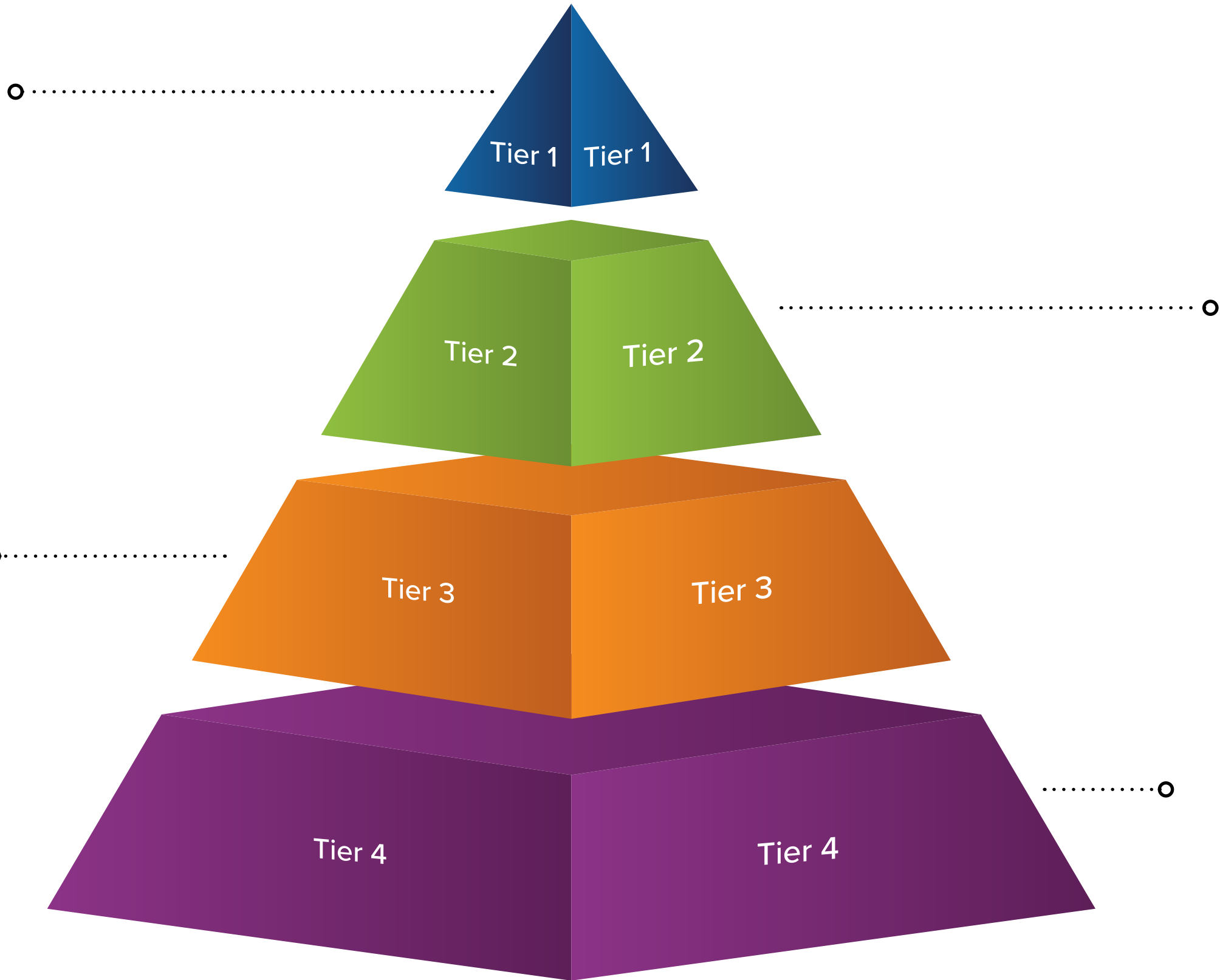
Purpose/Strategy

Multi-stakeholder approach, with sustainability at its core for long-term value & resilience and for branding & corporate reputation



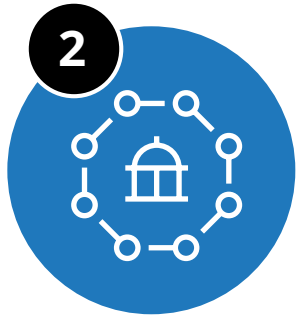
Long-term business value

Aligning profit with sustainability by rethinking value creation to include sustainable practices (e.g., waste management)



Governance

Accountability and transparency in sustainability efforts; risk management; and compliance with regulations

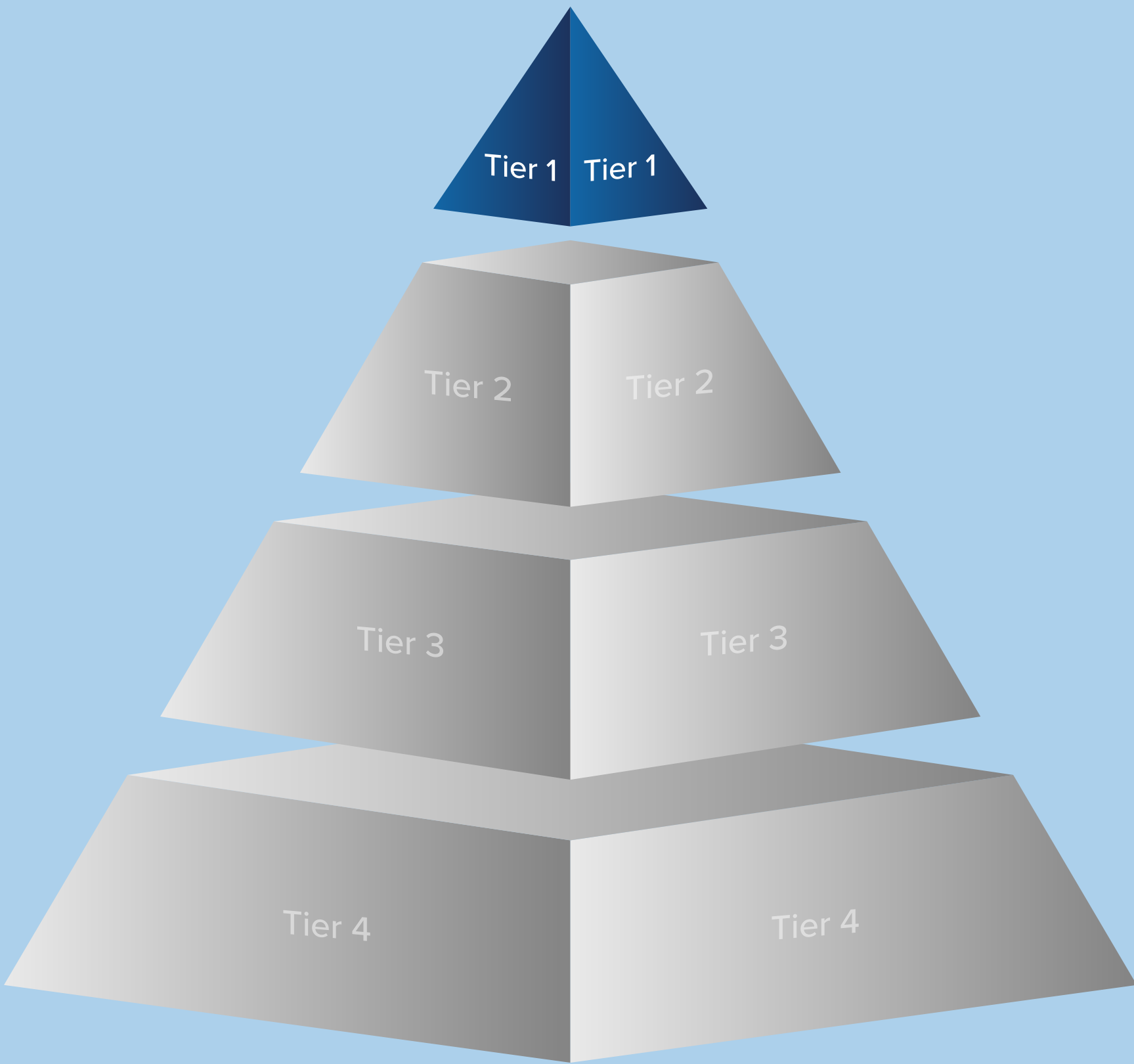


Sustainable digitalization

Managing and reducing greenhouse gas (GHG) emissions with digital technologies to meet sustainability goals



Tier 1: Building a Strategy for Impact and Corporate Reputation

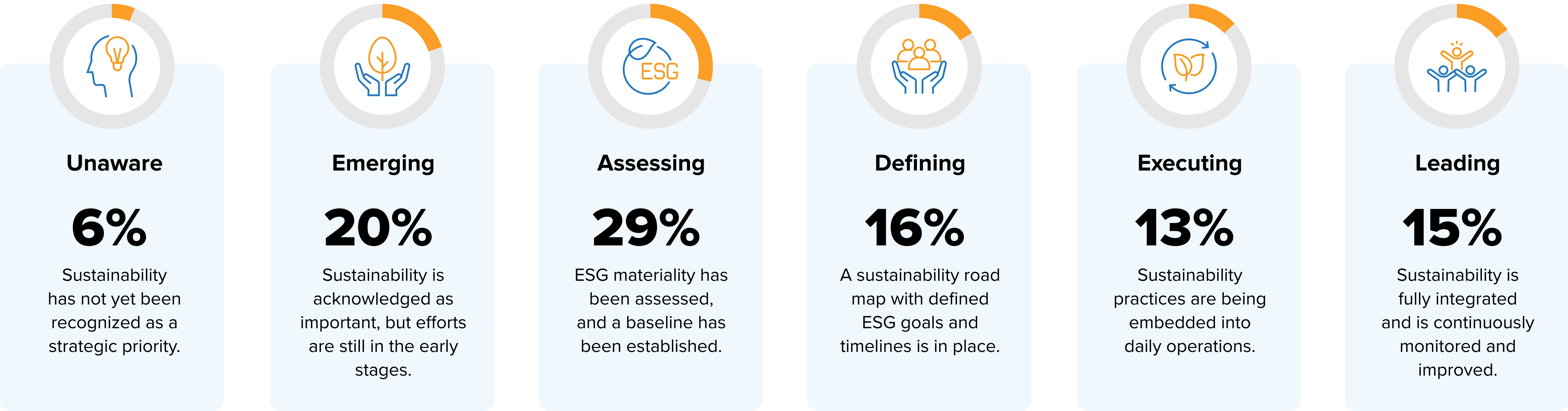


Tier 1: Building a Strategy for Impact and Corporate Reputation

A successful sustainability strategy is built on a multi-stakeholder approach, with sustainability at its core to drive long-term business value and resilience. Companies aligning their purpose with sustainable practices are better positioned to enhance their brand, improve their corporate reputation, and build trust with customers and investors.

Companies progress through various stages of maturity as they integrate sustainability into their strategies and operations. According to recent survey data, less than half (45%)¹ of European companies currently have a sustainability strategy in place.

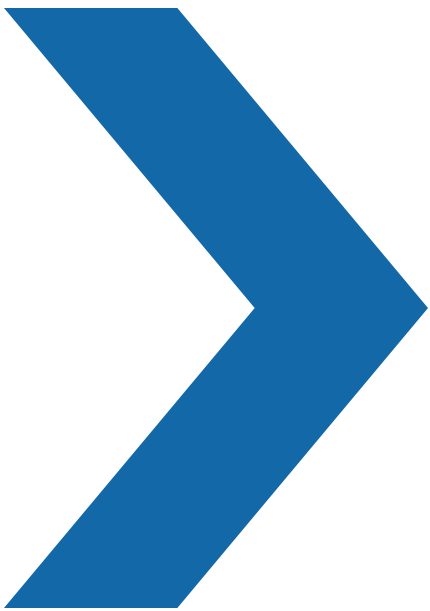
At which stage in the sustainability journey is your organization?²



Aligning EU Double Materiality with Global UN Sustainable Development Goals (SDGs)

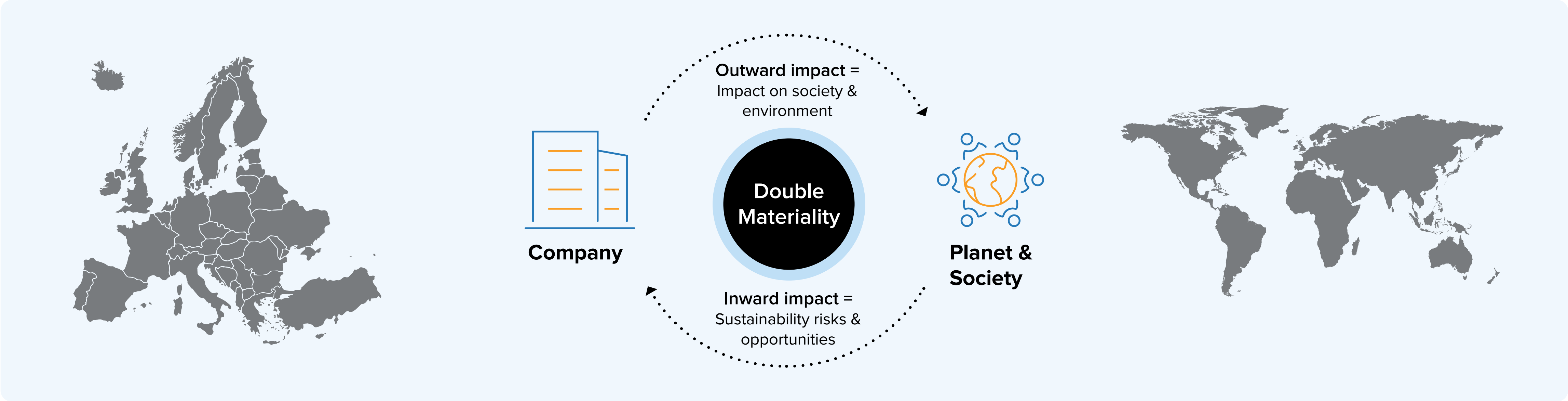
In many ESG regulations around the world, a **single materiality** approach is common, focusing primarily on **financial risks** relevant to investors and shareholders.

In Europe, EU taxonomy and ESG regulations, such as the Corporate Sustainability Reporting Directive (**CSRD**), **uniquely adopt a double materiality** approach¹. This requires companies to evaluate both the financial risks and the environmental and social impacts of their activities.



EU regulations on double materiality are aligned and drive action toward global **UN Sustainable Development Goals (SDGs)**, such as:

- SDG 13: Climate Action
- SDG 12: Responsible Consumption and Production
- SDG 8: Decent Work and Economic Growth
- SDG 11: Sustainable Cities and Communities



Customer Case: The City of Detmold leverages Axians IKVS for sustainable impact and reputation, aligning finance systems with SDGs to drive long-term value.



What’s the problem?

The German city of Detmold wants to improve how global sustainability goals are included in financial plans. The aim is to think globally and act locally, aligning local actions with the United Nations SDGs and creating a transparent connection between budgets and sustainability goals.

Critical data points:

- **Integration gaps:** difficulty embedding sustainability goals into financial systems, and limited alignment with global SDGs
- **Data challenges:** lack of real-time data for effective decision-making
- **Transparency needs:** poor visibility into how budgets align with sustainability priorities
- **Holistic approach:** the need to address the full range of SDGs (ecology, economy, and social aspects) comprehensively

What’s the solution?

With Axians IKVS’ SDG Compass in place, Detmold has connected its sustainability goals with its financial systems for greater transparency and impact. Software settings enable customized adjustments without the need for programmers, simplifying the process. Tailored reporting tools help align actions with SDGs, improving stakeholder collaboration and alignment.

Sustainability initiatives:

- Linked financial systems with sustainability goals to create a transparent and integrated reporting structure
- Created customized reporting settings for alignment with the SDGs
- Promoted collaboration between administration, politicians, and stakeholders to align local actions with global goals
- Provided a broad view of progress by integrating real-time data and flexible reporting tools

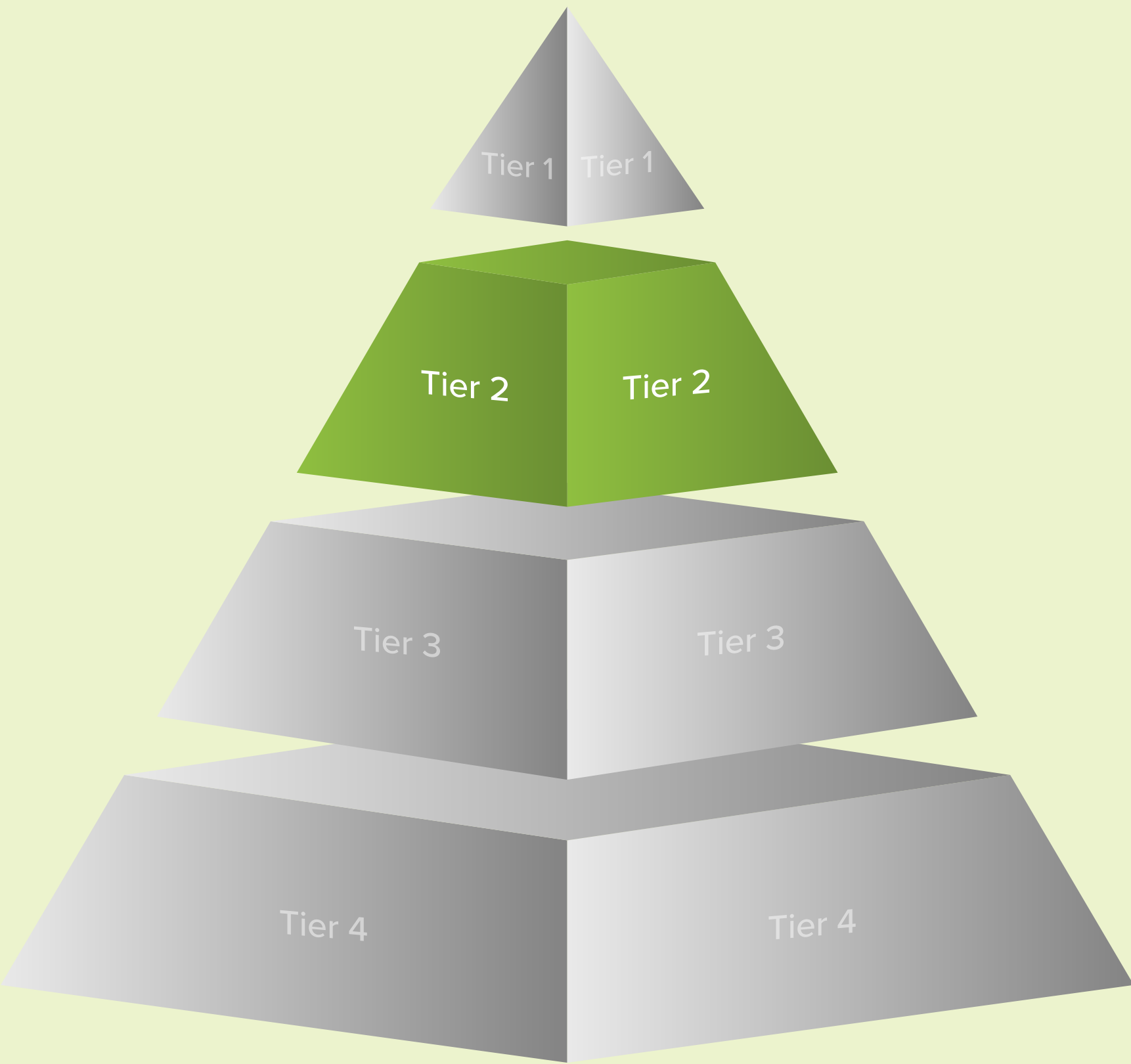
What’s the impact?

By increasing transparency in sustainability reporting, Detmold has strengthened its engagement with the public and made progress with key SDGs. Processes have become more efficient, and communication among stakeholders has improved notably.

Impact and key results:

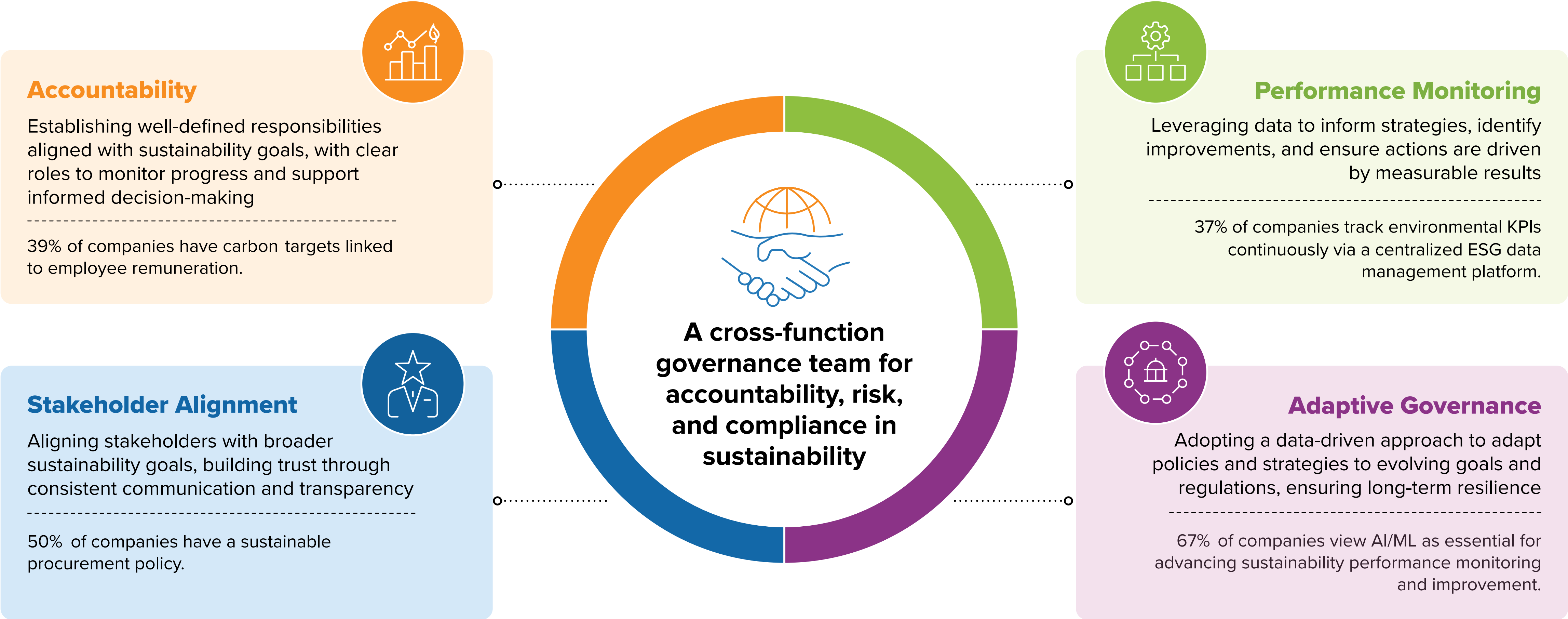
- **Public engagement:** increased access to sustainability reports (from a few hundred to about 2,000 users), improving social awareness and involvement
- **Efficiency gains:** reduced errors and manual effort through streamlined reporting and more efficient processes
- **Enhanced transparency:** enhanced trust with stakeholders through clear alignment between financial systems and SDGs
- **SDG progress:** Initiatives in climate action (SDG 13) and sustainable cities and communities (SDG 11)

Tier 2: Governance for Accountability, Risk, and Compliance in Sustainability



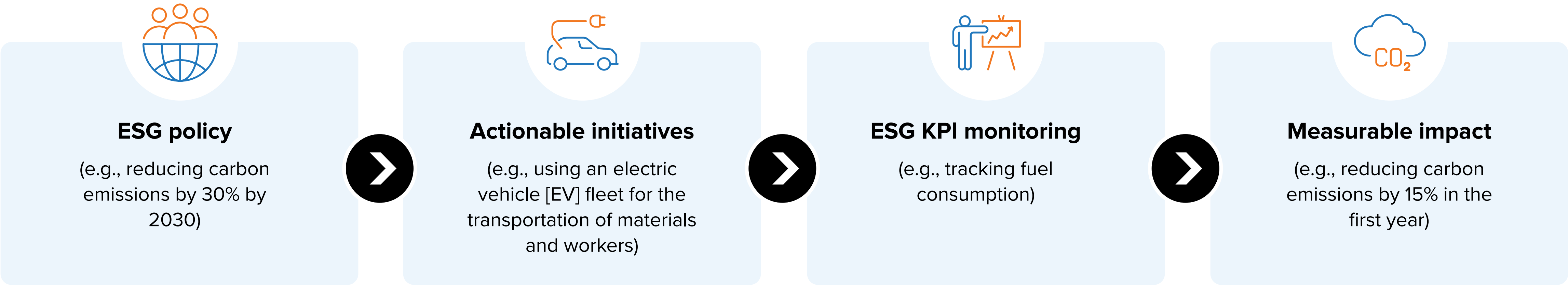
Tier 2: Governance for Accountability, Risk, and Compliance in Sustainability

Effective governance is the backbone of sustainable impact. By embedding accountability, actionable insights, and adaptive practices, organizations can turn sustainability commitments into business resilience, fostering stakeholder trust.

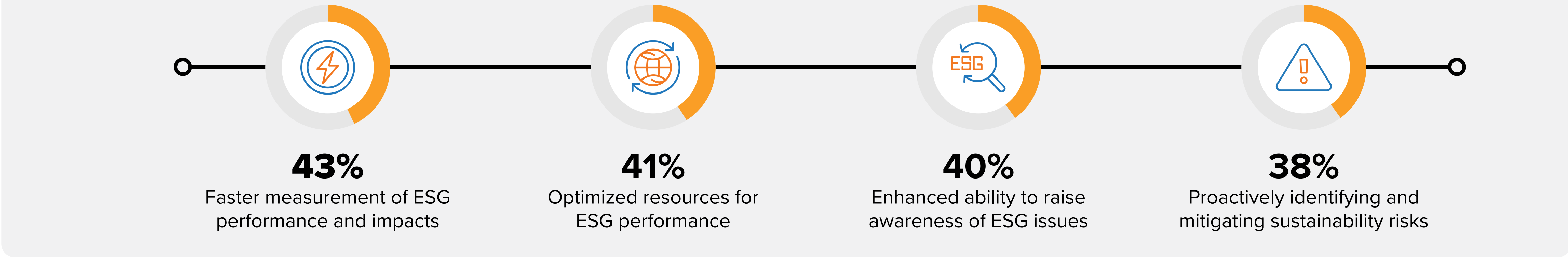


From Policy to Measurable Impact: Operationalizing ESG

Transforming ESG policies into actionable practices and measurable impact involves embedding ESG KPIs into operations and continuously monitoring them. This approach enables organizations to adjust policies in real time to achieve desired results.



Organizations that digitalize ESG data and monitor KPIs report multiple operational benefits¹.



Customer Case: Grumbach Recycling and Axians strengthen governance with emissions reporting, ensuring accountability, compliance, and sustainability in the supply chain.



What’s the problem?

Grumbach Recycling is a medium-sized waste management company that is under pressure from its supply chain partners to report emissions. Currently, the company lacks information about its own carbon footprint, and the data is unstructured and decentralized. The goal is to establish a centralized data structure that enables automatic emissions calculations.

Critical data points:

- **Centralized data storage** to provide consistent, reliable responses to customer inquiries
- **Simple structure** for transparent and comprehensive emissions calculations
- **Familiar communication channels** with minimal manual input for customer interactions
- **Use of real data** for calculations rather than relying on statistical factors

What’s the solution?

With Axians eWaste and NETFACTORY, Grumbach Recycling has developed a solution that enables quick and accurate emissions reports from the company’s raw data. The raw data is imported into the software and automatically mapped to the required reporting structures. The existing ERP system is integrated for seamless communication with customers. This enables the company to issue accurate emissions values based on real data for every quotation and invoice.

Sustainability initiatives:

- Emissions balance based on real data that is imported in just a few steps
- Multiple analyses with no additional effort, including specific key figures
- Automated emissions data for invoices and quotations integrated into the ERP system

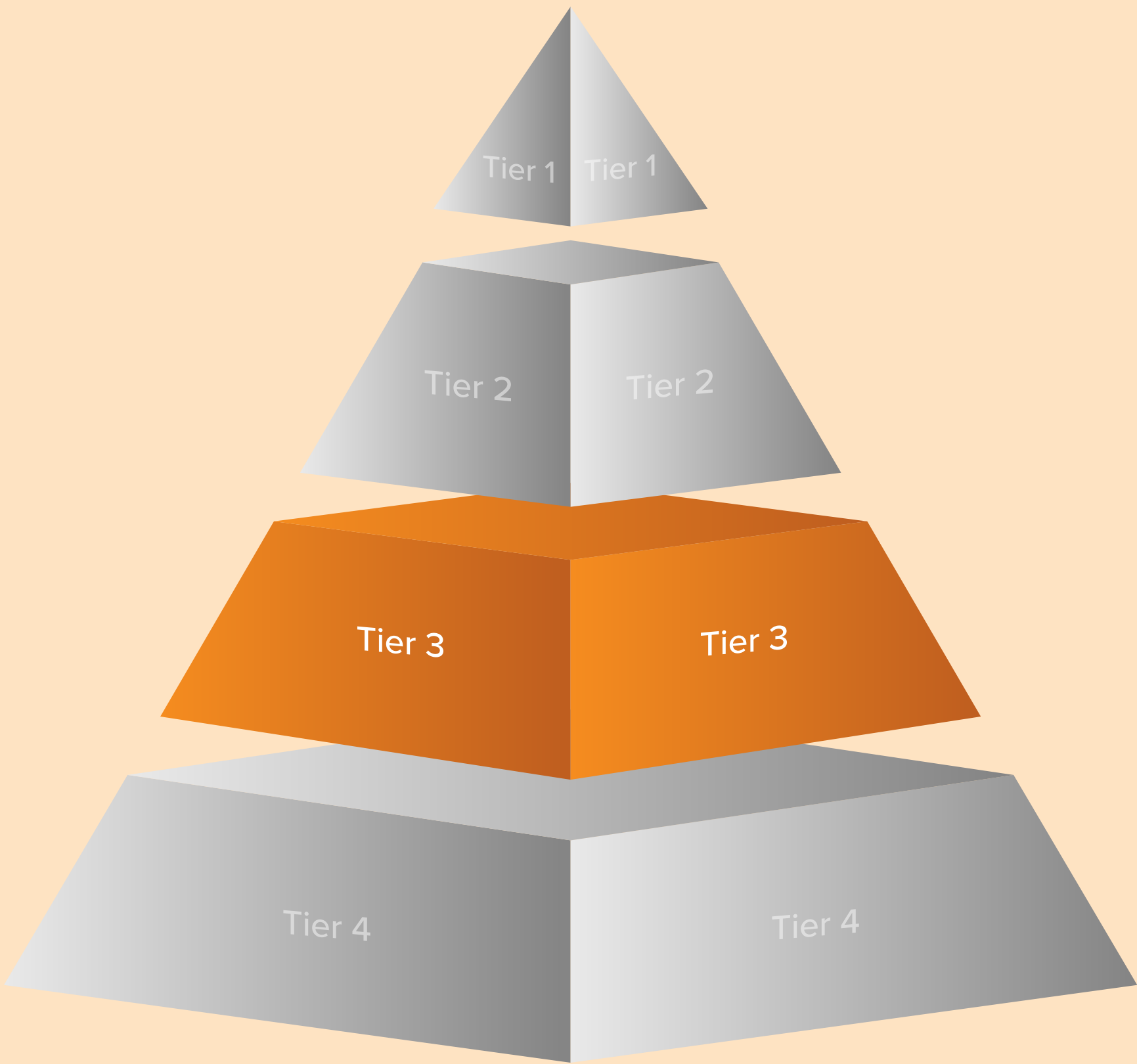
What’s the impact?

With the developed process, Grumbach Recycling can efficiently calculate and analyze its own emissions without significant resource investment. By connecting to the ERP system, real Scope 3 data is directly communicated through invoices and quotations. This enables the company to make a meaningful contribution to the sustainability efforts of its customers.

Impact and key results:


- **Improved communication** with customers regarding emissions in the supply chain
- **Both historical and current emissions data** evaluated in various report formats

Tier 3: Creating Long-Term Business Value




Tier 3: Creating Long-Term Business Value

Companies that commit to sustainable practices can better navigate regulatory landscapes, meet evolving market needs, and strengthen business resilience¹.



Brand Reputation

Enhancing brand equity by building trust with customers and partners to, provide a long-term competitive advantage



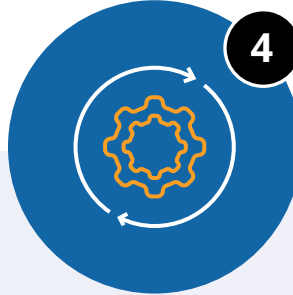
ESG Performance

Aligning with regulations, reducing compliance risks, and attracting responsible investors through transparency



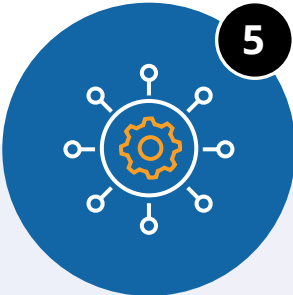
Cost Savings

Reducing operational expenses by optimizing resources, extending product life, and cutting waste




Operational Efficiencies

Reducing resource use and environmental impact and enhancing operational productivity



New Revenue Streams

Generating new revenue and competitive edge through sustainable innovation




Customer Loyalty & Satisfaction

Building loyalty by aligning brand values with consumer expectations for sustainability



Talent Attraction & Retention

Attracting and retaining talent by aligning company values with employees' ethics and purpose

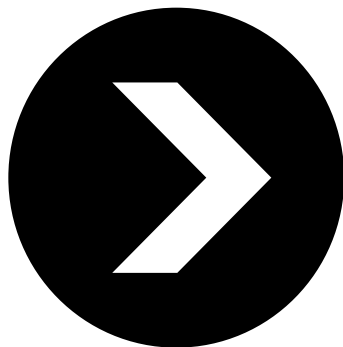
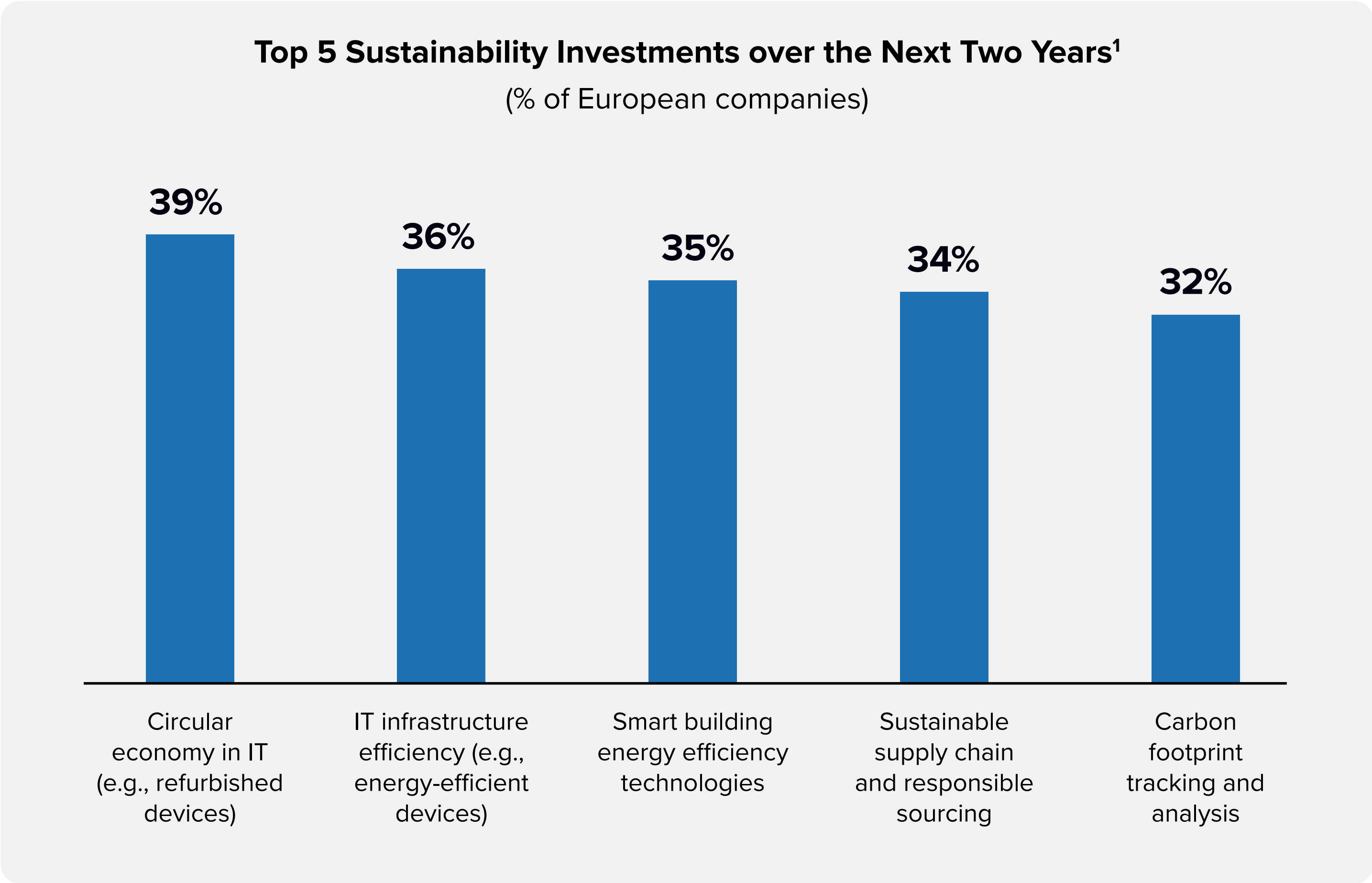


Long-Term Partner Engagement

Strengthening collaboration and mutual growth by fostering shared values with partners

Returns on Sustainable Investments

Companies that prioritize sustainability investments are focused on driving impactful business outcomes. They are optimizing resources, enhancing efficiencies, reducing waste, and extending the life cycles of assets to impact companies’ bottom lines while building a foundation for long-term growth.



Customer Case: Swisscom and Axians partner for a Green Tower solution, reducing emissions, cutting costs, and driving operational efficiency.



“Our NetZero targets combined with rising prices, especially for steel and energy, were the driver for the Green Tower project together with Axians.”

- Peter Tschudin, Mobile Network Infrastructure, and Oliver Oberli, Head of Sustainable Procurement, at Swisscom

What’s the problem?

Swisscom is committed to achieving net-zero emissions by 2035, aligning with the SBTi to secure its future and improve operational efficiency. One of the challenges in this transition has been the high energy consumption and emissions of its mobile towers, which affect both sustainability objectives and long-term cost management.

Critical data points:

- **Operational costs & efficiency:** high energy consumption per tower due to outdated systems, leading to increased expenses and slower sustainability progress
- **Sustainability goals:** the use of inefficient materials and legacy energy systems, making it more difficult to meet net-zero targets
- **Resource optimization:** limited tracking and energy management, resulting in missed opportunities for cost savings and reduced environmental impact

What’s the solution?

To address these challenges, Swisscom turned to Axians to redesign its mobile towers, embedding sustainability into design and operations. This transformation has supported its net-zero strategy and led to cost savings, such as reducing steel usage, while enhancing operational efficiency.

Sustainability initiatives:

- Replaced heavier tower materials with lighter eco-friendly alternatives, reducing transportation costs and overall carbon footprint
- Integrated renewable energy and high-efficiency systems, lowering dependence on carbon fuels and improving network operations
- Strengthened collaboration between teams to ensure sustainability remains a core focus in design and daily operations

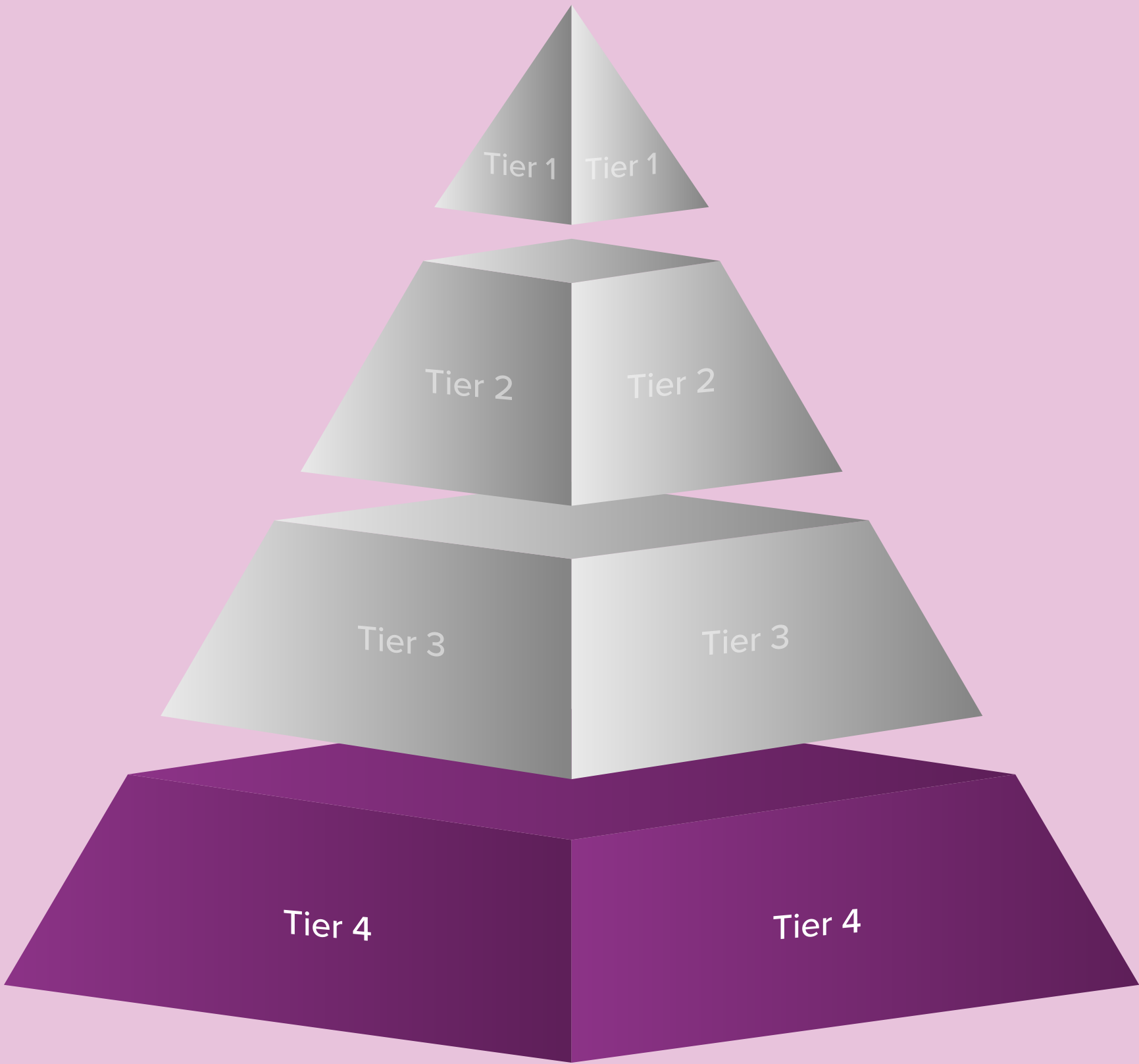
What’s the impact?

Swisscom’s redesign of its mobile towers has advanced its sustainability efforts. By adopting renewable energy and sustainable materials, the company has achieved measurable environmental and operational improvements while reinforcing stakeholder trust.

Impact and key results:

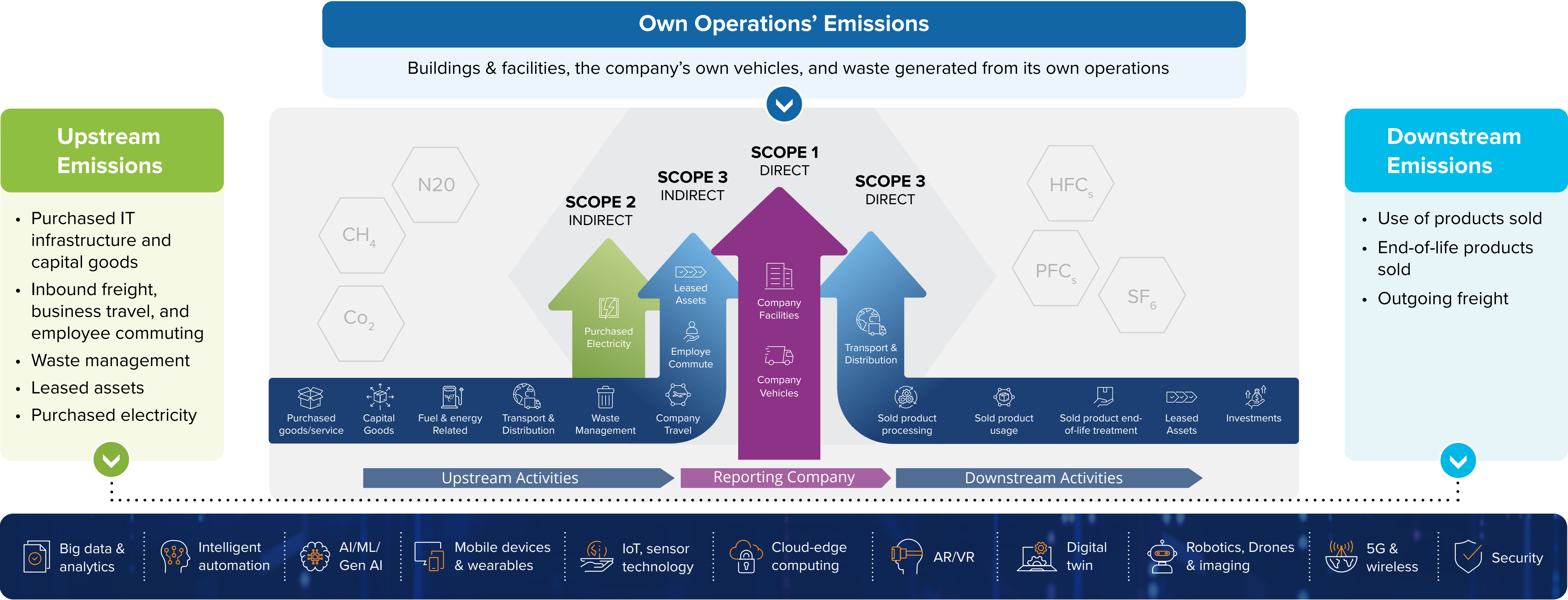
- **CO2 reduction:** a 43% decrease in CO2 emissions per mast through sustainable materials (e.g., 50% less steel used) and energy-efficient systems
- **Energy optimization:** improved energy efficiency and reduced use of carbon fuels
- **Stakeholder trust:** transparent reporting and measurable results, building stronger trust with customers and regulators

Tier 4: Sustainable Digitalization in Managing, Reducing, and Reporting GHG Emissions



Tier 4: Sustainable Digitalization in Managing, Reducing, and Reporting GHG Emissions Across the Value Chain


Sustainable digitalization leverages advanced technologies to manage GHG emissions throughout upstream, operations, and downstream activities. It enhances efficiency, enables real-time monitoring, and supports accurate emissions reporting to meet sustainability targets.



Top Technologies and Sourcing Models to Efficiently Achieve an Organization’s ESG Goals and Business Objectives

(Ranking by European company)¹


#1



Hybrid IT infrastructure efficiency

Optimizing hardware, software, and services for reduced energy use and enhanced performance

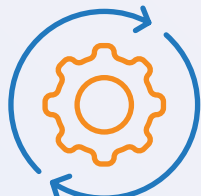
#2



Carbon-emissions monitoring

Tracking and managing carbon emissions through software tools for better sustainability reporting

#3



Intelligent automation & data integration

Using automation and data tools to improve efficiency and reduce resource consumption


#4



Digitalization of energy transition infrastructure

Using digital tools to optimize and control energy systems in the transition to clean energy


#5



Optimized infrastructure utilization

Maximizing existing IT resources to enhance performance, reduce waste, and minimize environmental impact

#6



Energy efficiency software

Using digital tools to monitor, analyze, and optimize energy consumption in operations and IT systems

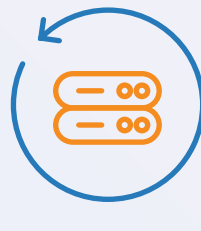
#7



Software Lifecycle Efficiency

Minimizing energy use and waste during software development, deployment, and maintenance

#8



Datacenter performance efficiency

Improving datacenter performance by reducing energy consumption and enhancing cooling (e.g., PUE)

Customer Case: Frutura and Axians transform sustainability management with ESG tools, streamlining compliance, reducing GHG emissions, and enhancing insights.



What’s the problem?

At Frutura, the need to comply with EU taxonomy and CSRD reporting obligations has created urgency to streamline the management of sustainability data. The company needs to bring together extensive fragmented data to meet compliance requirements, while embedding sustainability more deeply into the business.

Critical data points:

- **Regulatory pressure:** compliance with EU taxonomy and CSRD reporting deadlines
- **Data complexity:** ESG information dispersed across multiple systems and teams
- **Time constraints:** Aiming for initial readiness by June 30, 2025, and full compliance by mid-2026

What’s the solution?

With Axians’ professional services, Frutura has implemented advanced ESG tools to meet its complex reporting needs. Integrated into the company’s existing data systems, these tools have enabled the company’s teams to centralize sustainability efforts, improving how ESG data is tracked and managed. The company has worked closely with Axians to develop solutions tailored to its specific requirements.

ESG solution capabilities:

- Tools tailored to Frutura’s data landscape, ensuring compatibility with supplier systems
- Comprehensive support and close collaboration with Axians

What’s the impact?

With the solution in place, Frutura is streamlining its ESG processes and consolidating sustainability metrics. This strengthens compliance efforts and enables smarter data-driven decisions. Though the journey continues, the tools foster efficiency and provide deeper sustainability insights to the organization.

Impact and key results:

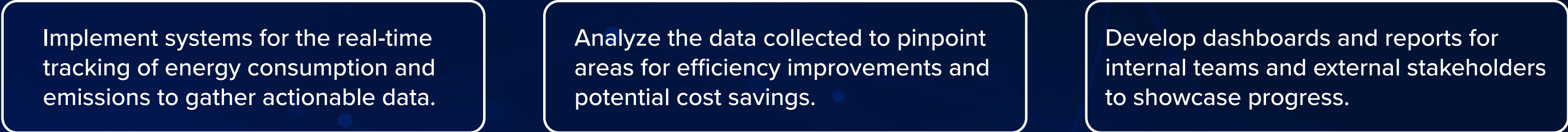
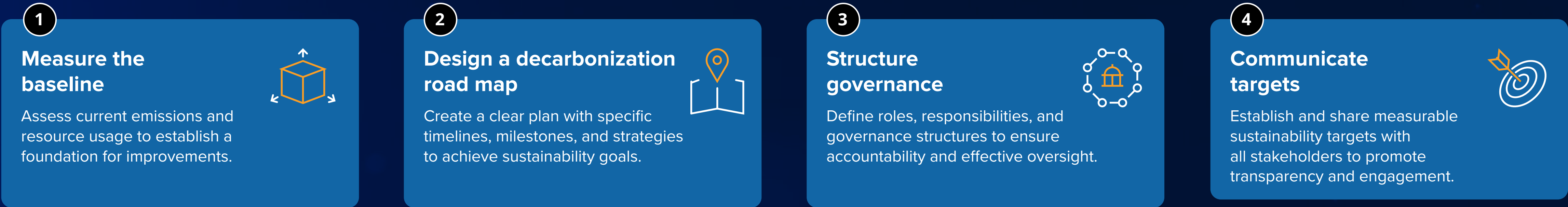
- **Centralized data:**
 - Unified access to metrics like energy consumption, waste reduction, and GHG emissions
 - A “single source of truth” for sustainability data
- **Enhanced insights:** tools supporting both operational clarity and strategic planning
- **Continuous improvement:** regular double materiality analyses to maintain accuracy and relevance

Where to Start: A Road Map to Become a Future- Ready Sustainable Enterprise



A Technology-Driven Road Map to Decarbonization

Technology innovation and digitalization are enabling and accelerating decarbonization initiatives



Reduce the carbon footprint

Enhance digitalization efforts for operational efficiency and implement energy optimization strategies.

Replace the energy supply

Shift to renewable energy sources (solar and wind) and explore carbon credit programs for residual emissions.



Electrify operations

Transition to electric vehicles, electrify industrial processes, and implement microgrids to enhance access to renewable electricity.

Engage the supply chain

Collaborate with suppliers to drive sustainability initiatives, focusing on circular-economy practices and value creation.

About the Analysts



Angela Salmeron
Research Director, IDC

Angela primarily focuses on energy efficiency, decarbonization and electrification initiatives across industries, particularly in energy intensive sectors. Beyond sustainability, she examines the business implications of the energy transition, particularly its impact on companies’ competitiveness and resilience. She believes that for the energy transition to succeed, it must also be financially advantageous.

[More about Angela Salmeron](#)

Message from the Sponsor



Axians — The best of ICT with a human touch

Axians, the ICT brand of VINCI Energies, is at the forefront of digital transformation, operating with 16,600 employees across 38 countries and generating annual turnover of €3.7 billion. Axians supports its customers — private companies, public institutions, network operators, and service providers — in modernizing their digital infrastructures and solutions. Whether business applications & data analytics, enterprise networks, shared workspaces, datacenter & cloud solutions, telecommunications infrastructures, or cybersecurity, Axians is a specialist for all current information and communication technologies!

www.axians.com

Uniting digital and sustainable transformation: As part of its commitment to sustainability ([Axians: Building a Greener Future with Sustainable Solutions](#)), Axians has launched its Green Offer strategy, which aligns with [European Green Deal](#) legislation.

The strategy encompasses three key pillars:

- 1. Developing innovative Green Offers:** Axians is dedicated to creating green ICT solutions that reduce energy consumption, waste, and emissions while conserving materials and natural resources.
- 2. Partnerships in supply chains with suppliers:** By collaborating with suppliers, Axians aims to reduce indirect emissions in Scope 3, fostering a more sustainable supply chain.
- 3. Sustainability for customer growth:** Axians offers sustainability expertise across all verticals, helping customers grow while adhering to sustainable practices.

About IDC

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With more than 1,300 analysts worldwide, IDC offers global, regional, and local expertise on technology and industry opportunities and trends in over 110 countries. IDC’s analysis and insight help IT professionals, business executives, and the investment community to make fact-based technology decisions and to achieve their key business objectives.

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