

Sustainable

Supply Chain Decarbonization

Engaging and activating your
Supply Chain to accelerate
collaboration in the journey
toward effective Scope 3
carbon mitigation

Speaking to you today...

From Schneider Electric Team



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About Schneider Electric Sustainability Business

 Recognized **global leader** in energy and sustainability consulting and managed services.

 More than **2,700** employees worldwide across over **100** countries.

 **Develop** strategies for meeting energy management and sustainability objectives and help to **implement** those strategies.

Solutions Portfolio

Core services:

- Market and climate risk analysis
- Energy efficiency
- Energy management
- Sustainability consulting
- Renewable energy and carbon advisory

Digital solutions:

- Resource Advisor
- Zeigo by Schneider Electric

Vital Statistics

2,700+

Global
clients

3,000

Resource data streams
tracked in Resource Advisor

125+

Million tons CO₂ in
Resource Advisor

€40B+

In resource spend
managed globally

2,700+

Professionals with
specific market expertise

16+GW

Advised corporate
PPA's since 2014



Agenda

- 01 Trends and Challenges
- 02 Supply Chain Decarbonization Approach
- 03 Activity – Lightning Decision Jam

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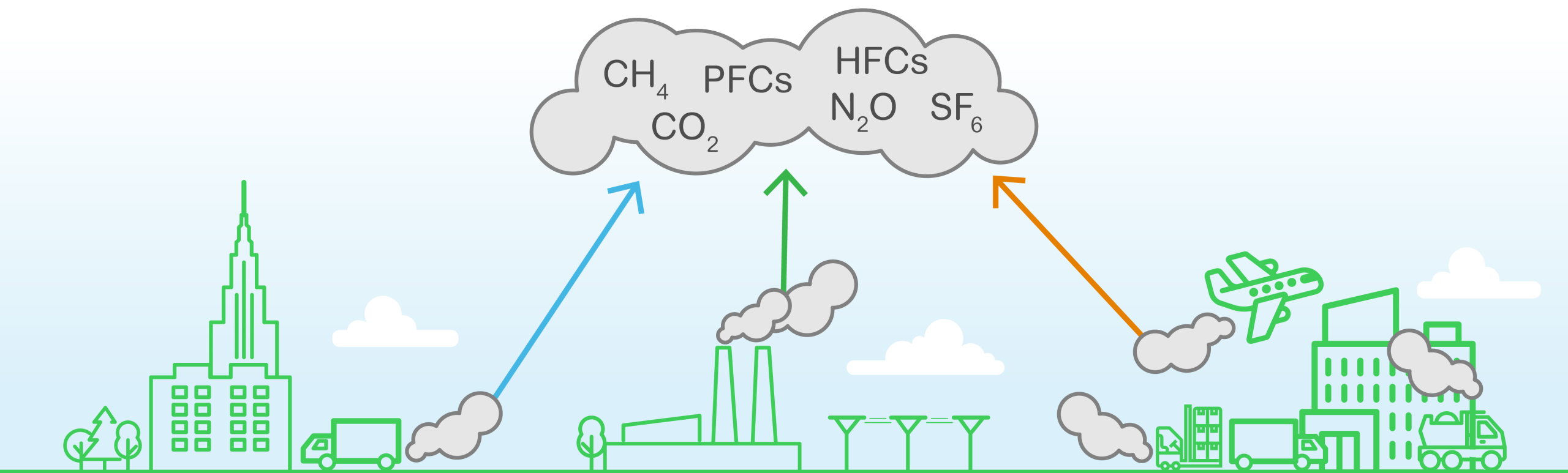
Trends and Challenges

Drivers for Supply Chain Impact



Greenhouse Gases Across Emission Scopes

According to CDP, on average, Scope 3 emissions are 11x greater than operational emissions



SCOPE 1: Direct Emissions

All direct emissions within the operational control of an organization.

SCOPE 2: Indirect Emissions

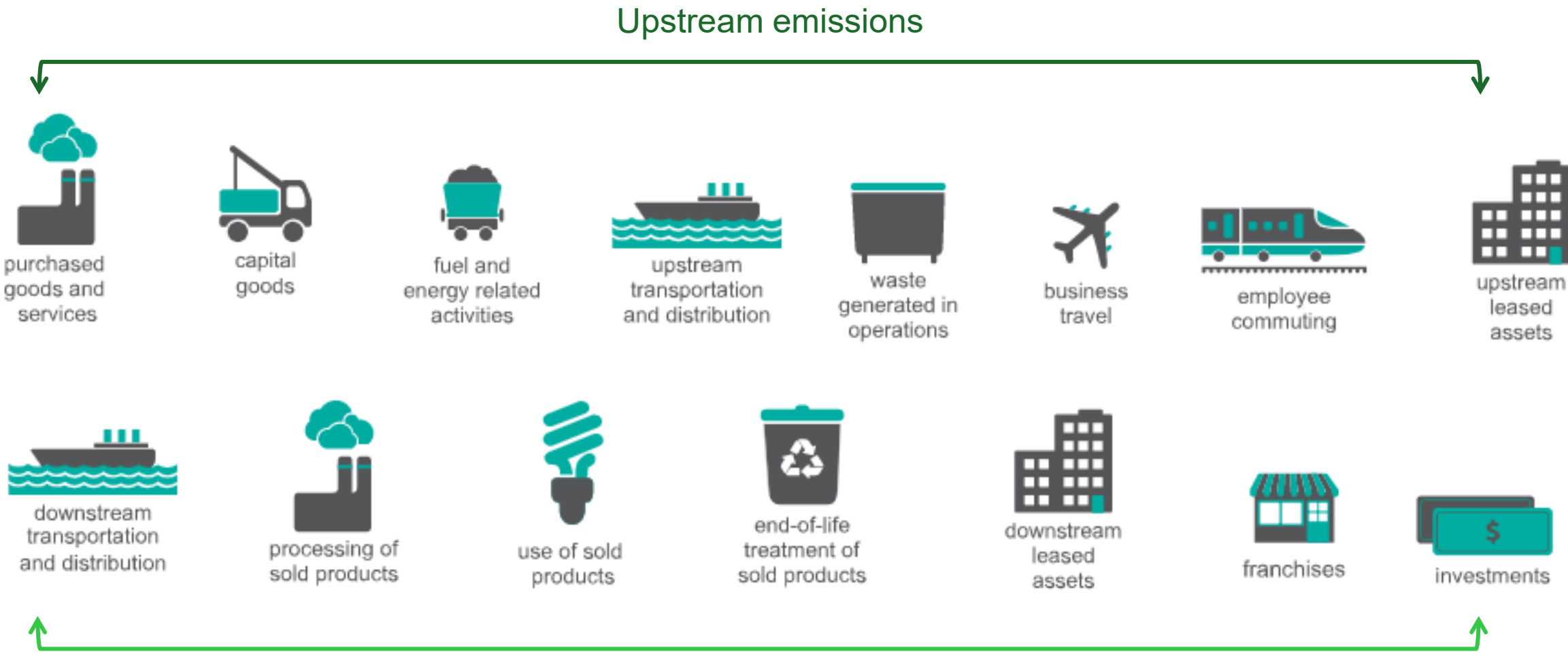
Indirect emissions generated from purchased electricity, heat, steam or cooling.

SCOPE 3: Indirect Emissions

All other indirect emissions from sources such as business travel, waste management, and the value chain.

Categories of Scope 3 emissions

15 Categories defined by the GHG Protocol



Key challenges in Scope 3 decarbonization

Complex supply chains



Many stakeholders
Degrees of separation from upstream operations
International markets and operations

Poor data governance



Too reliant on secondary data
Inadequate primary data sharing systems
Lack knowledge and systems to track and analyze data

Reluctance from upstream stakeholders



Additional work and costs affect their bottom line
Need to be trained on data
Not their target or KPI

Weak strategy internally & externally



Poor organizational structure and processes to track and analyze data
Sporadic engagement with upstream
Generic strategy for different suppliers

6 Trends in Scope 3 decarbonization



Aggressive target setting
and reporting



Pressures and scrutiny
from state and investors



Downstream and financed
emissions



Data collation and
management systems



Energy reductions and
low-carbon energy



Increased collaboration to
accelerate impact

Supply Chain Decarbonization on the Rise

It's become essential to your license to operate

More companies are setting Science Based Targets (SBT's)



Challenges such as lack of data availability and quality, limited expertise, insufficient resources, internal resistance, inconsistent supplier engagement and lack of program governance still exists – and require support to navigate.

Increased collaboration helping companies accelerate impact



Collaborative efforts can dramatically accelerate decarbonization, and solutions already exist to support this.

External pressures creating the urgency to take action



The right expertise can help steer the complexity and scale of the supply chain decarbonization journey.

Example: Major shifts in the Logistics industry

Logistics is a major industry in the Scope 3 of many corporations

DIGITIZATION AND MONITORING

Install sensors on transport vessels to track key data
Analyzing mileage, routes and energy use give better strategy

OPERATIONAL OPTIMIZATION

- Regionalization and localization
- Space maximization (in trucks, warehouses and containers)
- Route optimization
- Mode of transport of goods

TECHNOLOGICAL EFFICIENCY

- Energy efficient transport vessels
- Efficient cooling in transport vessels (especially cold-chain)
- Other energy recovery systems like waste heat recovery

RENEWABLES & CLEAN FUELS

- Electrification of fleets
- Renewable electricity for fleets
- Sustainable fuels like biofuels or hydrogen

Schneider Electric Sustainability School

Turn your climate ambition into action

Why do business and sustainability go hand in hand in today's world?

Learn how sustainability expertise differentiates your company from your competitors and enables you to respond to new customer needs.

How can you accelerate progress on your decarbonization journey and do the same for your customers?

By building sustainability knowledge and know-how at the Schneider Electric Sustainability School.



To embark on your sustainability journey, register for the Schneider Electric Sustainability School here:
<https://www.se.com/us/en/work/solutions/sustainability/school-training-and-online-courses.jsp>

Zero Carbon Project

Transition in action for a low carbon future

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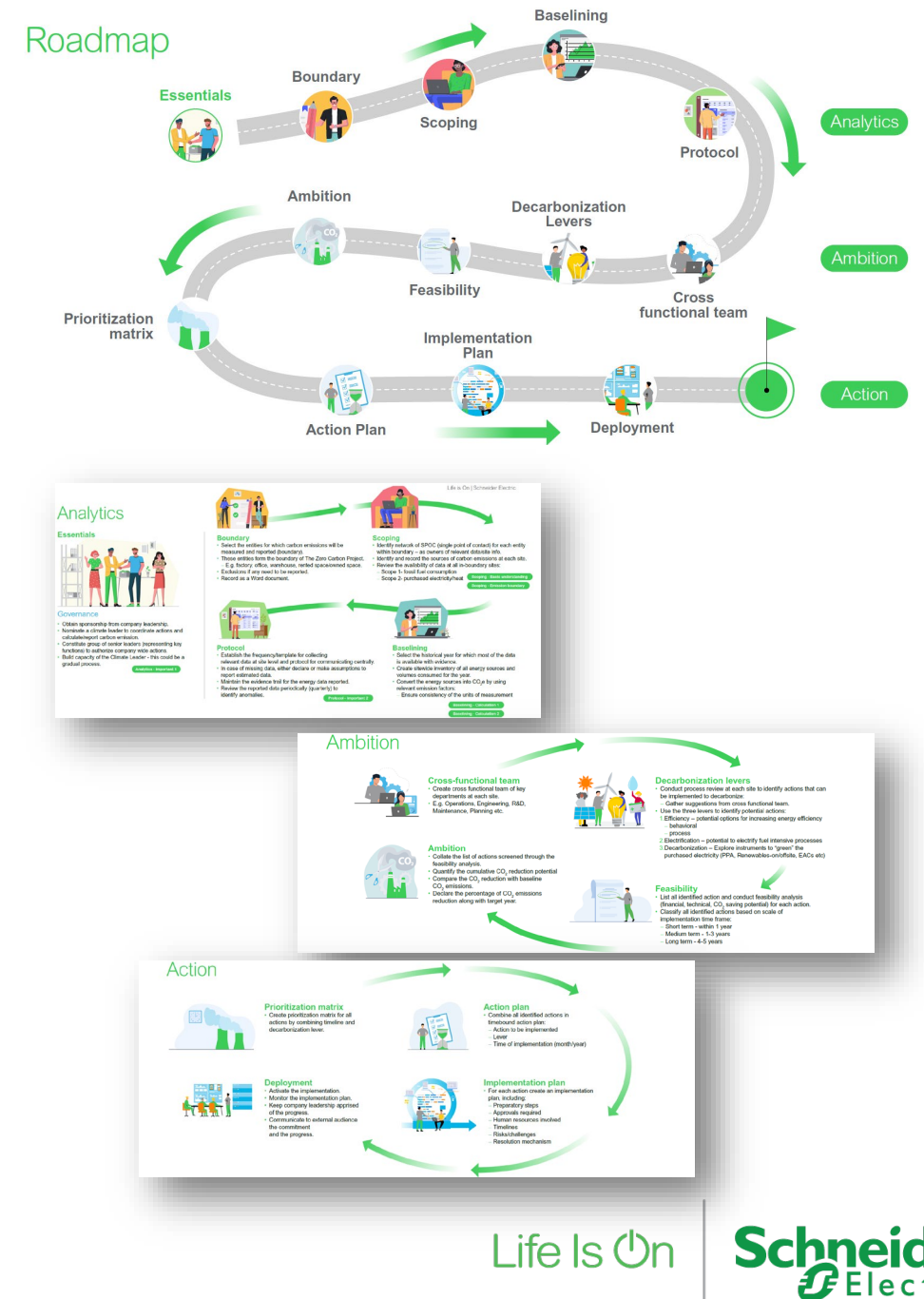
Striving for Net Zero Supply Chain with The Zero Carbon Project

The Zero Carbon Project supports global transition for a low carbon future by partnering with 1,000 suppliers, responsible for 70% of its upstream carbon emissions.

Overview Mission Achievements Awards Suppliers' Corner

The Zero Carbon Project supports our global transition for a low carbon future by, partnering with 1,000 suppliers, responsible for 70% of upstream carbon emissions to reduce CO2 emissions from operations by 50%

More information is available at: <https://www.se.com/ww/en/about-us/sustainability/zero-carbon-project.jsp>





Supply Chain Decarbonization Approach

Navigating and Accelerating Emissions Reduction

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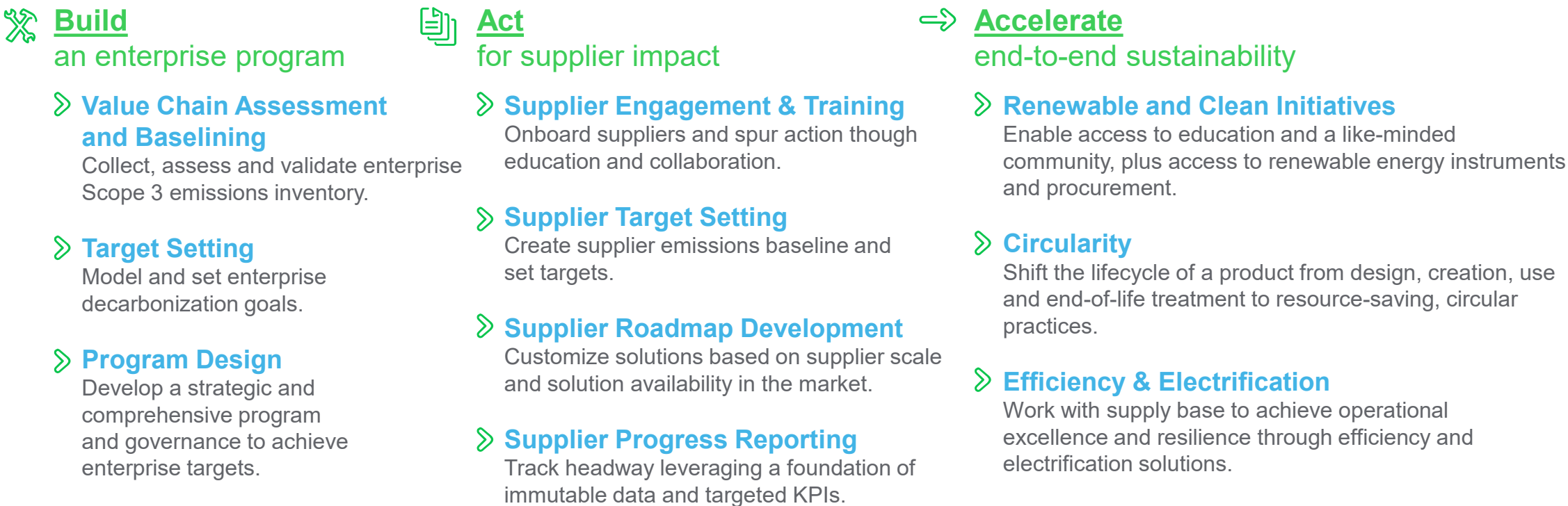
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Our Supply Chain Decarbonization Framework

End-to-End Expertise

Program Management

End-to-end deployment and tracking of supplier decarbonization initiatives



Sustainability Communication Services

Monitor progress, demonstrate leadership, and influence through storytelling / communications throughout project lifecycle



Build

An Enterprise Program

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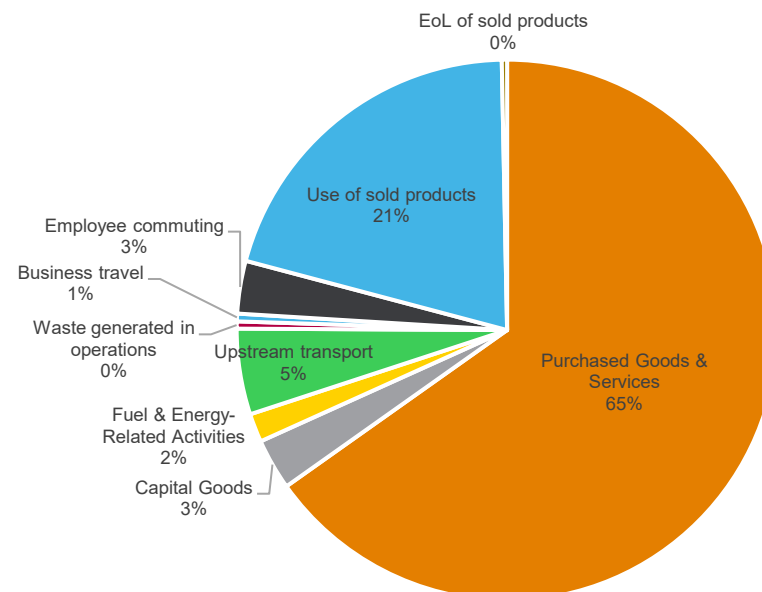
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Value Chain Assessment and Baselineing

Service:

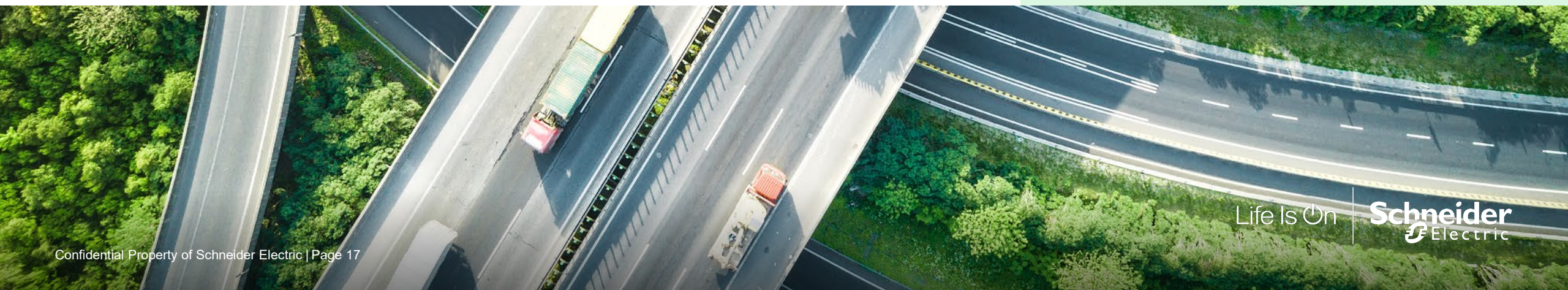
Knowing where to begin is often the most difficult part of any journey.

Our emissions screening, inventory, and validation services provide a critical starting point for any supply chain decarbonization effort.



Benefits

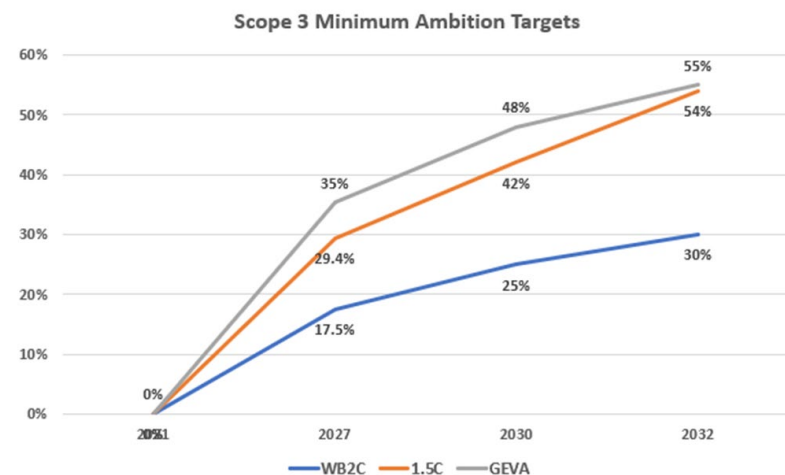
- Understand supply chain emissions and impacts.
- Improve data management and collection processes.
- Increase buy-in from internal stakeholders.
- Develop list of high-impact suppliers.
- Visualize data trends and outliers.



Target Setting

Service:

Pressure is mounting to set and meet emissions targets. We help you prioritize company goals, set science-based targets, and align on viable decarbonization levers and strategies to achieve climate target(s).



Benefits

- Learn market trends for target setting and decarbonization.
- Recognize pros and cons of different types of target setting.
- Understand the viability of decarbonization levers.
- Analyze financial, operational, and market barriers and opportunities.
- Clear path forward to attain targets.

Program Design

Service:

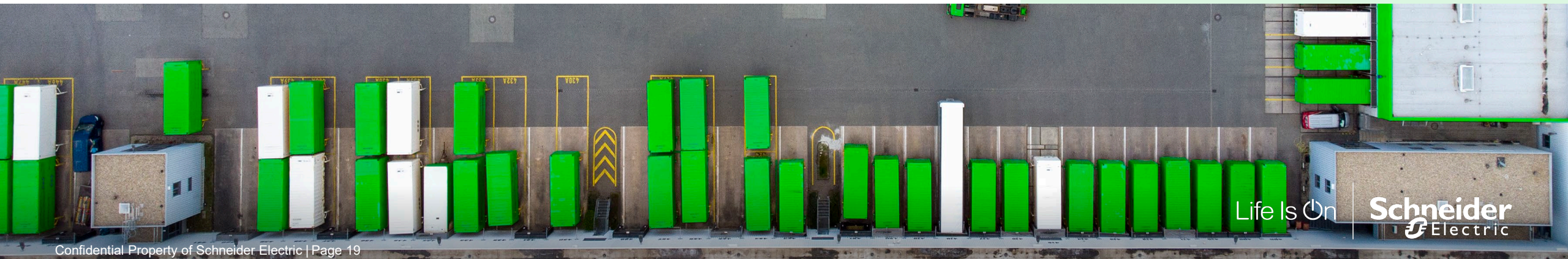
We co-develop a program to engage and prioritize your suppliers based on size, maturity, and impact.

We'll set up phases and mechanisms to ensure their compliance and performance towards sustainability goals and deploy the appropriate mix of consulting and digital enablers.



Benefits

- Customized for size and maturity and impact.
- Centralized supplier engagement approach.
- Defined scope and priorities aligning resources accordingly.
- Clear structure for rewarding sustainability performance and escalating non-compliant behavior.





Act

For Supplier Impact



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Supplier Engagement and Education - Consultancy

Service:

In-person or virtual supplier engagement workshops, led by our network of decarbonization subject matter experts.

Tailored training available for maximum relevance to your cohort, leading to greater engagement & increased action.

Content development, event design, and coordination via our in-house Communications Services team.



Benefits

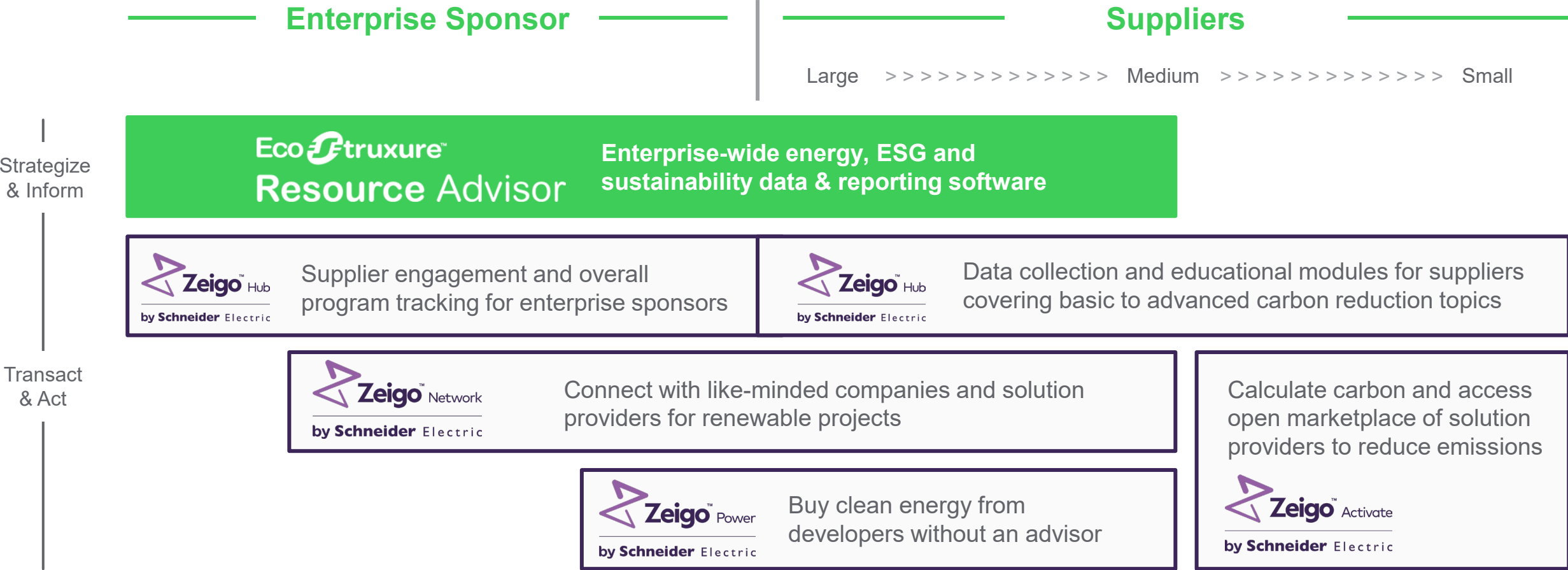
- “Personal touch” to maximize engagement and boost action.
- Allows for deep-dive into complex topics for more advanced cohorts.
- Quick and easy to design and deploy, drawing on Schneider Electric’s extensive experience delivering decarbonization training sessions and workshops.

“We have partnered with Schneider Electric to develop sustainability expertise that will help our suppliers expand their knowledge on sustainability topics and practical solutions.”

– **Matt Wilson, Head of the Environmental Sustainability Centre of Excellence, GSK**

Our Supplier Decarbonization Software Ecosystem

Expertise, experience, and depth across the entire value chain





by Schneider Electric

Zeigo.com



→ Accelerate

End-to-End Sustainability

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Cleantech and Renewable Sourcing

Service:

We help address our clients' Scope 1, 2, and 3 carbon emissions' goals through a variety of options to best suit their needs - from EACs and offsite PPAs to microgrids to global carbon offset procurement.



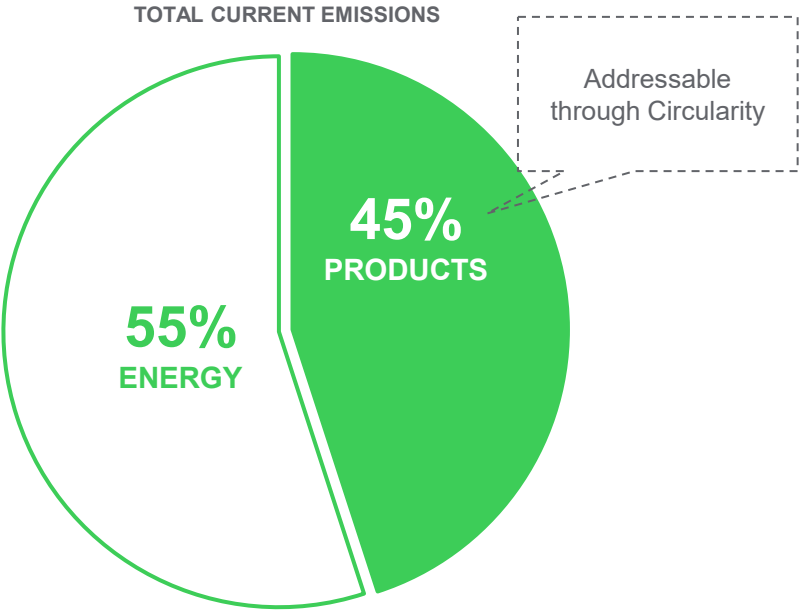
Benefits

- Scalable options, some that can be quick to implement.
- Potential driver of cost savings and enabler of additionality.
- May help buffer/mitigate market and price volatility.
- Improve resilience of your operations.

Circularity

Service:

We work with you and your suppliers to identify areas where to use resources more efficiently and save resources throughout your infrastructure and value chain.



Source: Ellen MacArthur Foundation



Benefits

- **Climate:** Contribute to achieving Scope 3 targets.
- **Customer:** Address growing consumer pressure for circular and sustainable products.
- **Cost:** Enhance resource access and supply chain resilience.
- **Compliance:** Respond to pressure from legislation.



Our work on **Circular Economy** with partners & peers continues to be recognized

Schneider Electric wins 'The Circulares' Award 2019 at the World Economic Forum, in recognition of its variety of circular transformations.



Schneider Electric ranked #9 in Fortune's Change the World list 2019 for best practices in the circular economy.



Schneider Electric is the first company in the electrical industry that offers a part of its product line with Cradle-to-Cradle certification.



Schneider Electric ranked #1 Most Sustainable Company in the world 2021 by Corporate Knight Global 100.



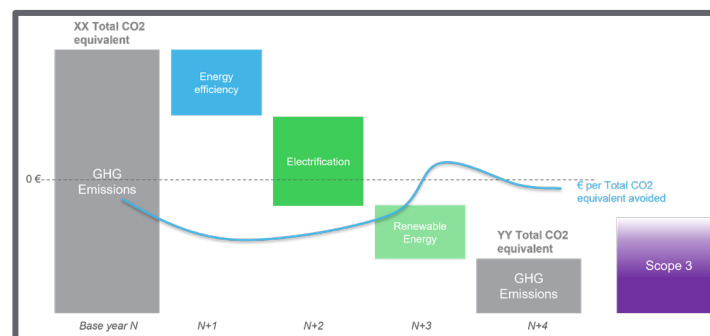
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Efficiency and Electrification

Service:

We help you achieve net-zero at the site level by conducting energy maturity and technology assessments to identify opportunities for electrification and fuel switching. Includes financial modeling, solution design, and orchestration management.



Benefits

- Achieve supplier site-level neutrality by reducing scope 1 and 2 emissions.
- Cost-effective portfolio decarbonization that avoids market volatility.

An aerial photograph of a dense, lush green forest. A light-colored, paved road winds through the trees, curving from the top left towards the bottom right. The trees are tall and closely packed, creating a vibrant green canopy.

The Sustainability Business

Crystalizing Schneider Electric's end-to-end solution for decarbonization

Consulting for a real return on investment

The Sustainability Business

The Sustainability Business is Schneider Electric’s climate change advisory service for companies and enterprises. Extended to Asia in 2021, the Sustainability Business allows us to confidently provide a truly holistic solution for energy management and decarbonization. From strategy planning and target setting to efficiency and renewable energy programs to software and hardware solutions, our experts become your experts.

Key figures:

2,500+

Sustainability Business experts in over 100 countries

13 GW

Advised corporate renewable power purchase agreements (PPAs) since 2014, making Schneider the largest advisor of negotiated corporate PPAs in the world

8.7 million

Invoices tracked annually on Resource Advisor, our ESG data management platform



Why choose Schneider?

We empower all to make the most of our energy and resources, bridging progress and sustainability for all. We call this Life Is On.

1. Our solutions are for corporates by corporate

We ourselves are a corporation with a long evolving history of producing products, owning and operating factories and offices and engaging with a deep supply chain. Our corporate sustainability commitments are some of the most ambitious in the world. We understand data management and operational challenges - and opportunities. And as such all our products, software, services and ongoing enhancements are developed with meaningful impacts and a strong business case in mind.

2. Our end-to-end solutions for decarbonization are real

With the addition of the Sustainability Business to Asia in 2021, Schneider Electric can confidently provide a truly holistic solution for energy management. From strategy planning and target setting, to efficiency and renewable energy programs, to hardware and software solutions, our experts will become your experts. Companies no longer need to manage different partners on their own. Our team will become part of your team – aligning all our solutions to your short and long-term goals.

3. We have been voted the World's Most Sustainable Corporation

Corporate Knights knighted Schneider Electric as the most sustainable corporation in the world in 2021 – and Schneider has been on the Global 100 most sustainable corporations list for 12 years in row. We've set a 2050 target to achieve net zero emissions across our entire value chain and the [Schneider Sustainability Impact \(SSI\) program](#), spanning from 2021 to 2025, will accelerate our progress. Our commitment to sustainability is reflected in top scores from rating agencies such as CDP (A List) and MSCI (AAA) for over a decade.

4. Our footprint is insanely global, but we are truly local

One of our six corporate commitments is Empower Local Communities. We do this by promoting local initiatives and enabling individuals and partners to make sustainability a reality for all. In 2006, our CEO, Jean Pascale-Tricoire, realized that to truly be a local business, our leadership needed to set an example. We adopted the multi-hub strategy, moving executive leadership across three regional markets – Europe, Asia and North America. With this model, employees are supported by leaders to make decisions that benefit the local environment.

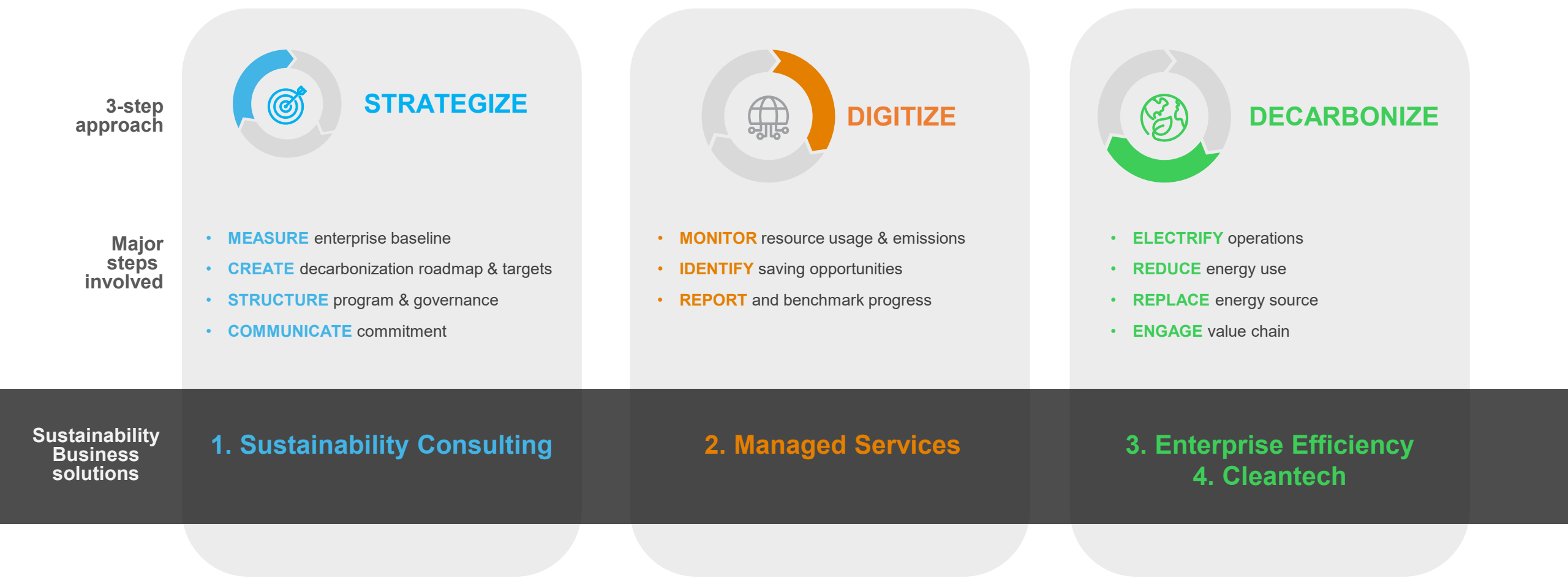
5. Our diverse teams are what make us great

Our Sustainability Business teams are made up of the perfect mix of people from different experiences, backgrounds and geographies – all working towards a single mission. In APAC, our teams include engineers, software and data management experts, cleantech professionals, consultants from boutique and Big Four firms, ex-corporate colleagues with operational and industry knowledge and even people from the creative field. Together, we embrace a “learn everyday” mentality to support each other and our clients in addressing their sustainability journeys.



Our unique value proposition

is our end-to-end capabilities to support customers on decarbonization, from strategy to execution



Our four lines of service deliver strategy + action

Strategize



Sustainability Consulting

- Materiality & sustainability strategy
- Decarbonization strategies
- Carbon emissions baselining (Scope 1, 2 and 3)
- Setting Science-Based targets
- Climate risk assessments
- GRESB, TCFD, CDP reporting
- Program innovation
- Supplier / tenant decarbonization program

Digitize



Managed Services

- [Resource Advisor](#), Schneider's award-winning enterprise-level management system for all ESG data
- 20 years established with continuous enhancements to address market changes
- Serving over 4,500 customers globally
- Annually updated emission factor library to automatically calculate Scope 1, 2 and 3 (lite)
- Digital tools for measuring Scope 3

Decarbonize



Enterprise Efficiency

- Energy maturity assessment and energy audits via workshops or in-person/virtual site assessments
- Creating an enterprise efficiency "playbook" for your selected sites – strategy + action plan
- Predicted investment & payback periods with GHG emissions savings
- Backed by data



Cleantech

- Renewables and carbon opportunity assessments
- Renewable energy and EACs sourcing
- Carbon offsets sourcing
- On-site solutions
- Risk mitigation & strategy
- Contract management
- Project performance management
- Neo Network, Schneider's cleantech buying platform that connects energy supplier with corporate buyers
- Collective contracting of renewable energy purchasing for Scope 3 suppliers

Strategize practice contacts



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