

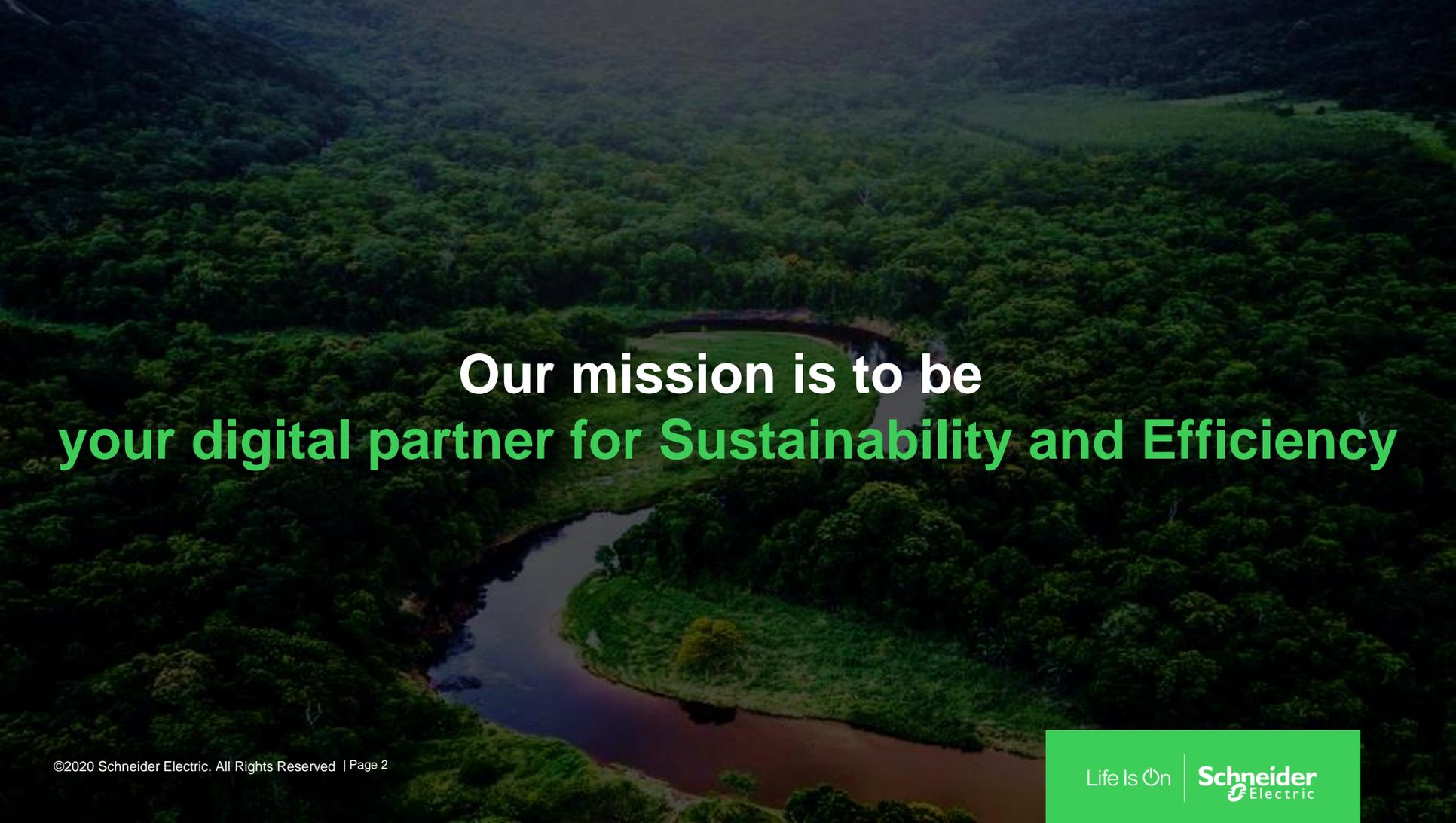


# Supporting the Sustainability goals of the Food & Beverage industry

Building a sustainable, resilient and credible Value Chain with EcoStruxure for Food & Beverage

Life Is On

**Schneider**  
Electric



**Our mission is to be  
your digital partner for Sustainability and Efficiency**



**Rethinking next generation industries:  
business resilience and sustainability performance  
for lifecycle integrated management**

# We help on every step of the value chain

## Efficient facilities

Safer, more available,  
and greener resources

## Agile manufacturing

Boost manufacturing  
flexibility & efficiency

## Resilient supply chain

Manage complexity and  
improve visibility

# ... enabled by transversal digital transformation capabilities

## Food Safety & Traceability

Ensure compliance and increase trust across the whole value chain

## Energy & Sustainability

Reduce environmental footprint and meet sustainability goals

## Asset Performance

Maximize return on asset investment

## Workforce Empowerment

Take teams efficiency to the next level

## Digital Engineering

Cut time, cost and risks of capital project engineering

# Empower all to make the most of our energy and resources, bridging **progress and sustainability for all.**

Our difference

Leading  
by example in  
**our ecosystem**



Being part of  
the solution for  
**our customers**



Most Sustainable Corporations in the World

**GLOBAL100**

**#1**

# Our journey to making a better world

Sustainability everywhere

SCHNEIDER  
**SUSTAINABILITY**  
IMPACT

## Our DNA

MEANINGFUL INCLUSIVE EMPOWERED

## Our business

EcoStruxure, Green Premium, Energy and Sustainability Services

## Our incentives

Sustainability components incorporated since 2011 (STIP)

## Our commitments

Schneider Sustainability Impact program

# Our journey to making a better world

2018-2050 engagements

2018  
-'20

Design New *Principles of Responsibility*

SCHNEIDER  
**SUSTAINABILITY**  
IMPACT

FRENCH BUSINESS CLIMATE PLEDGE  
LES ENTREPRISES FRANCAISES S'ENGAGENT POUR LE CLIMAT !

act4nature

BUSINESS AMBITION FOR **1.5°C**   OUR ONLY FUTURE



SCIENCE  
BASED  
TARGETS

DRIVING AMBITIOUS CORPORATE CLIMATE ACTION

- **Carbon neutrality**
- Phase out SF<sub>6</sub>
- Invest €10bn in R&D
- Train 1m people
- Energy access 50m people
- Support 10,000 entrepreneurs



SUSTAINABLE DEVELOPMENT **GOALS**

- **Sc 1+2 – Net-zero**
- **Sc 3 – -35%**
- 100% renewable electricity
- 2x energy productivity (vs 2005)
- 100% EV

RE **100** EP **100** EV **100**  
by THE CLIMATE GROUP



Global Compact  
**LEAD**

**Net-zero supply chain**

# 2020, a historical year for ESG rankings and awards

#1 Most Sustainable Corporation + SSERI = 100%



**10<sup>th</sup> year in a row**

(obtained by 271 companies among 9,500+ participants)



**10<sup>th</sup> year in a row**

(only competitor with same rating is Vestas)



**#1/26** in industry



**#1<sup>st</sup>** among peers with \$37.3-\$70.8 bn billion market cap,  
**2/159** in the industry group (Low Risk)



**Platinum** rating, Top 1% among 50,000 companies assessed



**#2 in industry** after Siemens Gamesa, Member of the Euronext Vigeo Eiris World 120, Europe 120, Eurozone 120 and France 20 indices.



**#1 most sustainable corporation**

# 100 MtCO<sub>2</sub> saved for our customers (2018-2020)

A unique methodology, designed to become an industry standard

Our ambition is to prove **'More  
Schneider is a better climate'**:

**120** MTCO<sub>2</sub>  
saved through our  
EcoStruxure offers  
from 2018 to 2020

Customers are increasingly taking C-level commitments on climate; energy and CO<sub>2</sub> efficiency are becoming a business differentiator

In 2018, we launched a new indicator in **Schneider Sustainability Impact** to quantify CO<sub>2</sub> savings delivered to our customers

This **innovative** methodology is **rigorous, conservative and transparent** ; it is designed to become an industry standard



## 6 long-term commitments

- 1. Act for a **climate** positive world**  
by continuously investing in and developing innovative solutions that deliver immediate and lasting decarbonization in line with our Carbon pledge.
- 2. Be efficient with **resources****  
by behaving responsibly and making the most of digital technology to preserve our planet.
- 3. Live up to our Principles of **trust****  
by upholding ourselves and all around us to high social, governance and ethical standards.
- 4. Create **equal** opportunities**  
by ensuring all employees are uniquely valued and work in an inclusive environment to develop and contribute their best.
- 5. Harness the power of all **generations****  
by fostering learning, upskilling and development for each generation, paving the way for the next.
- 6. Empower **local** communities**  
by promoting local initiatives and enabling individuals and partners to make sustainability a reality for all.



6 long-term commitments    11 + 1 targets for 2021 – 2025



**CLIMATE**

- 1    Grow our **green revenues to 80%**
- 2    Deliver **800 million tons of saved and avoided CO<sub>2</sub> emissions** to our customers
- 3    Reduce **CO<sub>2</sub> emissions from top 1000 suppliers' operations** by 50%



**RESOURCES**

- 4    Increase **green material content** in our products **to 50%**
- 5    100% of our primary and secondary **packaging** is **free from single-use plastic** and uses **recycled cardboard**



**TRUST**

- 6    **100%** of our **strategic suppliers** provide **decent work** to their employees
- 7    Measure the **level of confidence** of our employees to report behaviors against our Principles of Trust



**EQUAL**

- 8    Increase **gender diversity**, from **hiring** to **front-line managers** and **leadership** teams **(50/40/30)**
- 9    Provide **access to green electricity to 50 million people**



**GENERATIONS**

- 10    **Create opportunities for the next generation** – 2X number of opportunities for interns, apprentices, and fresh graduate hires
- 11    **Train 1 million underprivileged people** in energy management



**LOCAL**

- +1**    100% of Country and Zone Presidents define **3 local commitments** that impact their communities in line with our sustainability transformations

# Watch the new sustainability video



**empower all to make the most of our energy and resources**

Watch the video

An aerial photograph of a wind farm at sunset. The sun is low on the horizon, casting a warm, golden glow over the landscape. Several white wind turbines with three blades are visible, scattered across a green field. The sky is filled with soft, wispy clouds, and the overall atmosphere is serene and peaceful.

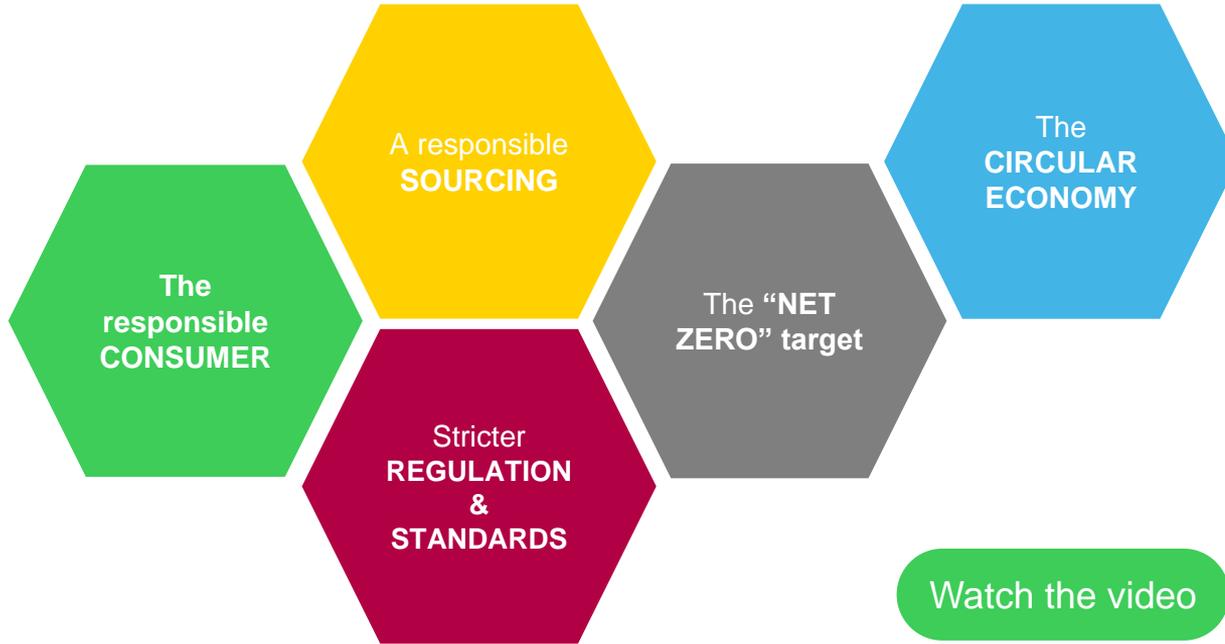
# The Food & Beverage Ecosystem Reality

Market Outlook and Manufacturers' Challenges

Life Is On

**Schneider**  
Electric

# The Food & Beverage Ecosystem Reality



“ We urgently need to change the way we produce and consume food so we can feed everyone in the world while raising incomes, improving health and nutrition and protecting the planet. ”

Laura Tuck Vice-President,  
Sustainable Development,  
The World Bank

Climate Change listed now as  
**Top 10**  
Business risk

Nearly  
**one-third**  
of the food produced  
each year is uneaten

Watch the video

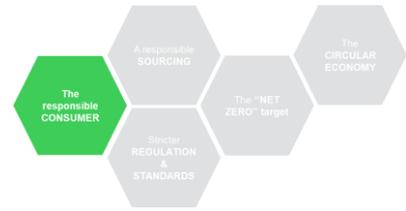
Learn more

## Sources:

- [Allianz Risk Barometer 2020](#);
- [Which50, 2020](#);
- [Incentivizing Food Systems Transformation, WEF, Jan 2020](#)
- Schneider Electric Perspectives, 2020.
- [Food industry failing to address supply chain emissions: 'Engagement is relatively shallow, Food Navigator, Dec 2020](#)

# The Food & Beverage Ecosystem Reality

End-consumers turn to more sustainable brands



## Market Outlook

- End consumers asking for more information on «how sustainable brands and products are».
- CSR = key market differentiator for businesses as more consumers look to purchase products from companies that «act responsibly»

## Manufacturers' Challenges

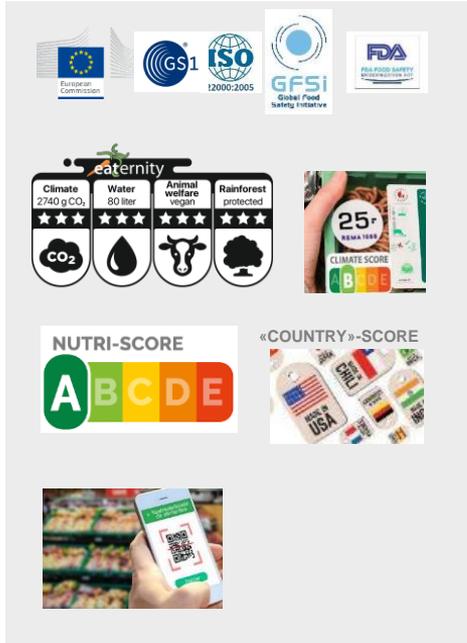
- Prove with real tangible results the achievements of the brand commitments
- As sustainability is directly linked to End-to-End traceability, gain more insights, to design and improve operating practices to build a **sustainable and credible supply chain** from source to store



Source: [IBM Research Insights, May 2020](#)

# The Food & Beverage Ecosystem Reality

More complex and stricter regulation & standards, accelerated by the COVID-19 pandemic



## Market Outlook

- EU Green Deal – Farm to Fork Strategy for a healthier and more sustainable EU food system
- ISO 20400 - world's first international standard for sustainable procurement
- Towards a mandatory EU system of due diligence for supply chains
- Evolving labeling rules (e.g. Nutriscore, Country-score, climate/eco/carbon score, Animal welfare,.....)

## Manufacturers' Challenges

- Integrate a “holistic” sustainability approach into procurement
- Deal with all different regulations & standard requirements in different countries
- Engage the entire ecosystem



“At the heart of the Green Deal the Biodiversity and Farm to Fork strategies point to a new and better balance of nature, food systems and biodiversity; to protect our people’s health and well-being, and at the same time to increase the EU’s competitiveness and resilience.”

Frans Timmermans, Executive Vice-President of the European Commission

Sources:

- [EITfood, 2020; From Farm to Fork Strategy, 2020](#)
- [EU Green Deal/Farm to Fork, 2020](#)

# The Food & Beverage Ecosystem Reality

## Supply Chain credibility and responsible sourcing



MEMBER OF  
**Dow Jones Sustainability Indices**  
In collaboration with **SAM**

**Certified**  
**B**  
Corporation

**SUSTAINABLE DEVELOPMENT GOALS**

**WORLD ECONOMIC FORUM**

“Supply chain improvements, like traceability, contribute to the advancement of the Sustainable Development Goals (SDGs).”

## Market Outlook

- Increasing number of Indexes and Standards: Dow Jones Sustainability Index, B-Corp certification for Sustainable Sourcing & ISO 20400 for Sustainable Procurement
- Investors are starting to link sustainability to Valuation: social responsibility, sustainability, product origin, ethical trading, animal welfare

## Manufacturer's Challenges

- Gain more insights on the full supplier's network
- Engage and onboard the entire suppliers' ecosystem into the journey

Sources:

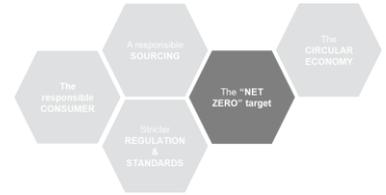
- [Gartner on sustainability in supply chain; Lumina intelligence report, 2020](#);
- [Innovation with a Purpose: Improving Traceability in Food Value Chains through Technology Innovations, 2019, World Economic Forum in collaboration with McKinsey](#)
- [Sustainable Supply Chain Initiative \(Consumer Goods Forum\)](#)
- [Due diligence, Modern Slavery Act](#)



Learn more

# The Food & Beverage Ecosystem Reality

“Net Zero” target and carbon neutral commitments

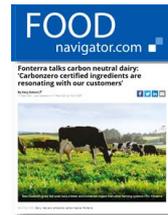
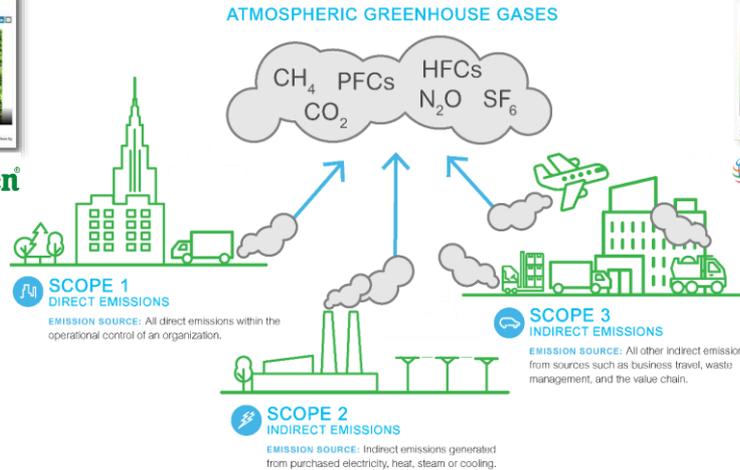


Only **16%** of food companies have targets that address supplier emissions

**79%** consumers include sustainable packaging in their purchasing decisions (83% in Millennials)

Sources:

- Perspectives [Carbon neutrality](#)
- [EITfood, 2020](#);
- [CDP Global Supply Chain Report 2020, Feb 2021](#)
- [Crippa, M., Solazzo, E., Guizzardi, D. et al. Food systems are responsible for a third of global anthropogenic GHG emissions. Nat Food](#)



# The Food & Beverage Ecosystem Reality

The product life cycle End-to-End

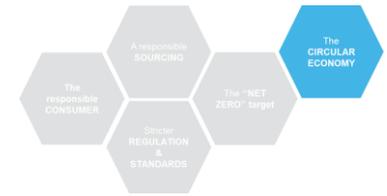


## Market Outlook

- Plastic Packaging contributes around 1.8 Billion tonnes of carbon emissions!
- Food Waste: more than 30% of all food produced is thrown away!
- **Green and Digital product passport** with standardized and trustworthy information on the circularity of a product

## Manufacturer's Challenges

- Engage a complex ecosystem to manage End-to-End product life cycle: from agriculture to packaging recycling
- No standardized information flow
- Information unavailable, confidential or lost



“ Traceability and transparency are crucial to getting a clear understanding of the environmental impact of a company's supply chain. ”

Dexter Galvin, Global Director of Corporations & Supply Chains at CDP



Sources:

- [IBM Research Insights, May 2020](#)
- [Circularity datasheet, Luxembourg](#)
- [4 lessons from nature to build a circular economy](#), WE Forum
- [This is how social innovators are leading the race to zero emissions](#), WE Forum
- [How Food & Drink businesses are creating a circular economy](#), April 2021

# The Food & Beverage Ecosystem Reality

How to build a more sustainable Value Chain?



**Digital Technologies** are the most robust solution to the recovery and transformation of the food system in order to build a **resilient, credible and sustainable Supply Chain**

*“New technologies are creating a more diverse food ecosystem. This ranges from new food manufacturers to the rise of technology enabled platforms which connect food businesses to consumers, and online-only players offering convenient food at lower prices”*



Sources:

- [Incentivizing Food Systems Transformation, 2020](#)
- [2020 Digital supply chain survey- Grant Thornton](#)

# Reduce your environmental footprint and meet your sustainability goals



## End to End Decarbonization

Tackle your energy challenges by creating an optimized way to access reliable, green, and resilient energy. Reduce GHG emission, scope 1, 2, 3 to address climate change

Towards **Net Zero emissions**



## Efficient and sustainable operations

Meet your energy and sustainability goals and reduce costs with smart energy, water and waste management at your facilities

Up to **30%** energy cost reduction



## Minimize footprint on environment

Reduce impact on the planet by helping farmers improving productivity and better managing the usage of resources. Protect agriculture and ecosystems.

For a **better future** from agriculture to packaging



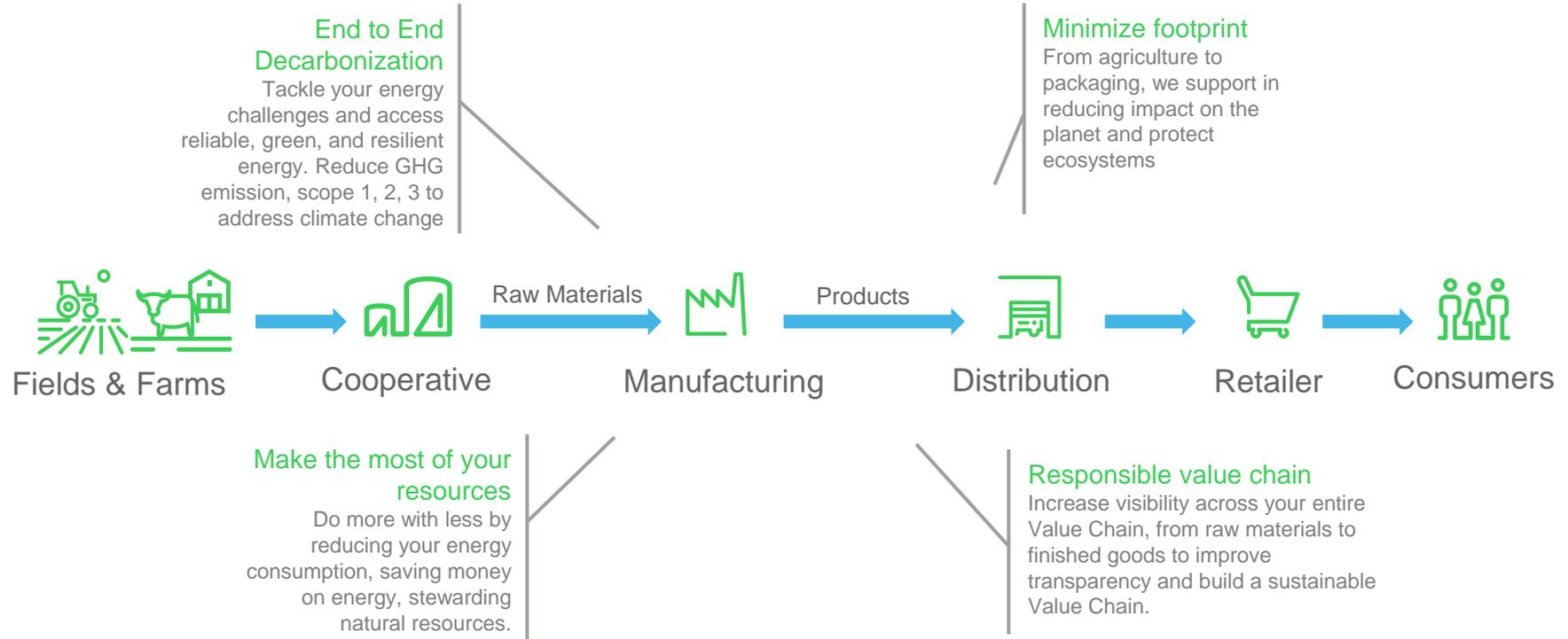
## Responsible Value Chain, end to end

Increase visibility across your entire Value Chain, from raw materials to finished goods to improve transparency and build a sustainable Value Chain.

Build a **sustainable** Value Chain

# Energy & Sustainability

Reduce your environmental footprint and meet your sustainability goals



# Reduce your environmental footprint and meet your sustainability goals

Let's engage in this journey!

- Towards **Net Zero**
- **Doing more with less**
- **Minimizing impact on environment** from agriculture to packaging
- Building a **responsible and sustainable Value Chain**, end to end
- Communicating sustainability goals, projects and achievements with all company **stakeholders**.



Up to **50%**  
energy cost savings

Up to **-5%**  
of OpEx savings

Up to **40%**  
CO<sub>2</sub> footprint reduction.

# Reduce your environmental footprint and meet your sustainability goals



## End to End Decarbonization

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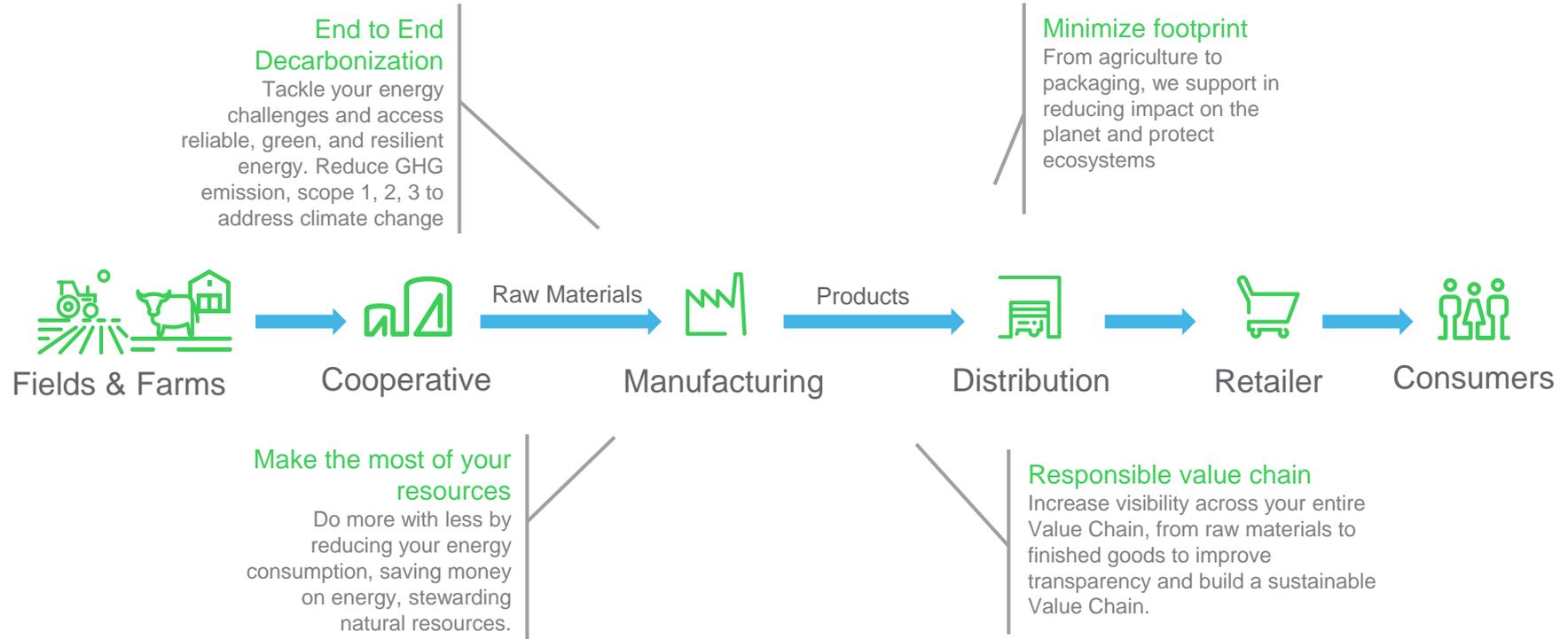
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# Energy & Sustainability

Reduce your environmental footprint and meet your sustainability goals



# EcoStruxure for Food & Beverage / CPG

**Agile manufacturing**  
Boost manufacturing flexibility and efficiency

- Manufacturing Operation Management
- Industrial Information Management
- Process Control System
- HMI and data Integration
- Process Automation
- Packaging Automation

**Efficient facilities**  
Safer, more available, and greener resources

- Smart Building Management
- Power Safety & Availability
- Power Quality & efficiency
- Renewable Energy & Microgrids
- IT Infrastructure Management

**Resilient supply chain**  
Manage complexity and reduce logistics costs

- Agriculture Efficiency & Sustainability
- Suppliers Management
- Supply Chain Optimization
- Cold Chain Monitoring
- Product Information Management

<b>Food Safety &amp; Traceability</b> Ensure compliance and trust across the product life cycle	<b>Energy &amp; Sustainability</b> Reduce footprint and meet sustainability goals	<b>Asset Performance</b> Maximize return on capital expenditure	<b>Workforce Empowerment</b> Improve staff knowledge, productivity and collaboration	<b>Digital Engineering</b> Cut time, cost and risks of capital project engineering
Food Defense	Sustainability Consulting	Assessment and Consulting	Operator Training Simulator	Electrical CAD
Cybersecurity Services	Energy Demand Services	Enterprise Asset Management	Augmented & Virtual Reality	Building Information Modelling
Digital Calibration	Strategic Energy Sourcing	Condition Monitoring	Workflow Management	Integrated Engineering-Design
Raw material traceability	Enterprise data management	Predictive Analytics	Staff Schedule Management	Digital Asset Visualization
Production traceability	Energy as a Service	Line & Process Optimization	Operator Knowledge Sharing	
Product Identification & Tracking		Modernization services		

Let's talk about

EcoEtruxure™

Innovation At Every Level

for Food & Beverage

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Life Is On

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