

Environmental Sustainability at Thermo Fisher Scientific

Enabling our customers to make the world
healthier, cleaner and safer

Nov 2023

 The world leader in serving science



0.5MW rooftop solar installation at our Vilnius, Lithuania facility

CSR strategy and approach



Foundational to our commitment to doing business the right way

Ethics

Our 4i Values guide our behaviors and our colleagues' interactions with our customers, suppliers and partners, communities, and with each other.

Bioethics

As science advances at an unprecedented pace, we continuously focus on the ethical and social issues that relate to our role in biotechnology and biomedical research.

Human Rights

We are committed to upholding and respecting human rights by conducting business with the highest ethical standards and in compliance with applicable laws and Company policy.

Data Privacy

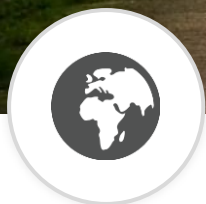
We value the privacy and protection of personal data, continuously reviewing our policies and understanding the unique privacy needs and solutions for our businesses.

Cybersecurity

Our globally recognized cybersecurity program is designed to protect the confidentiality, integrity and availability of data and systems within our environment.

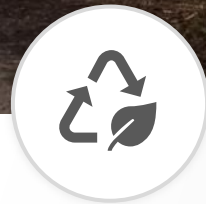
Our approach to environmental sustainability

Science-based and customer-centric to deliver innovative solutions



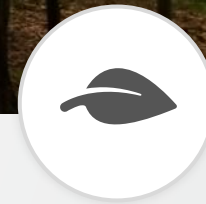
Net-zero

As the world leader in serving science, we support the urgent calls for action from scientists around the world to address climate change.



Nature

We recognize our role in protecting nature. That's why we are committed to preserving freshwater resources and managing waste.



Design for Sustainability

We seek to understand and minimize the environmental impact of our products and packaging — from design to end of life.

Working in partnership with our stakeholders is the foundation of our approach

Environment

By championing a healthy planet that sustains human health and natural resources, we can build a brighter future for generations to come. Through our culture of continuous improvement, we manage risks, reduce adverse impacts and unlock opportunities through collaborations that help our customers achieve their environmental sustainability goals. Together, we can maximize our collective contributions to:



Climate



Nature



Design for Sustainability



Climate

25%

reduction in absolute Scope 1 and 2 emissions since 2018

150

sites powered with 100% renewable electricity

240

new net-zero projects identified through two years of site energy assessments

900K

megawatt hours (MWh) of clean energy covering 100% of our current US electricity needs



Nature

14

certified zero-waste facilities

3,500

MTCO₂e in raw materials and new production avoided through refurbishing and recycling

4%

decrease in water withdrawal (excluding non-contact cooling water)

GIBCO

switched from destructive to non-destructive quality assurance testing of Gibco bottles, generating significantly less waste



Design for Sustainability

Through the power of innovation, we incorporate environmental sustainability principles into each design step to reduce our environmental impact.

Less hazardous

Less waste

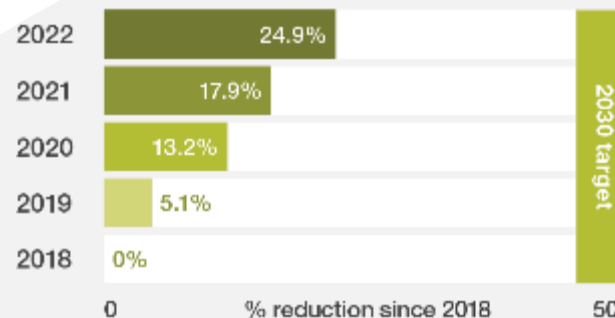
More energy efficient

Responsibly Packaged

Extended life

Scope 1 and 2

Progress toward 50% reduction by 2030



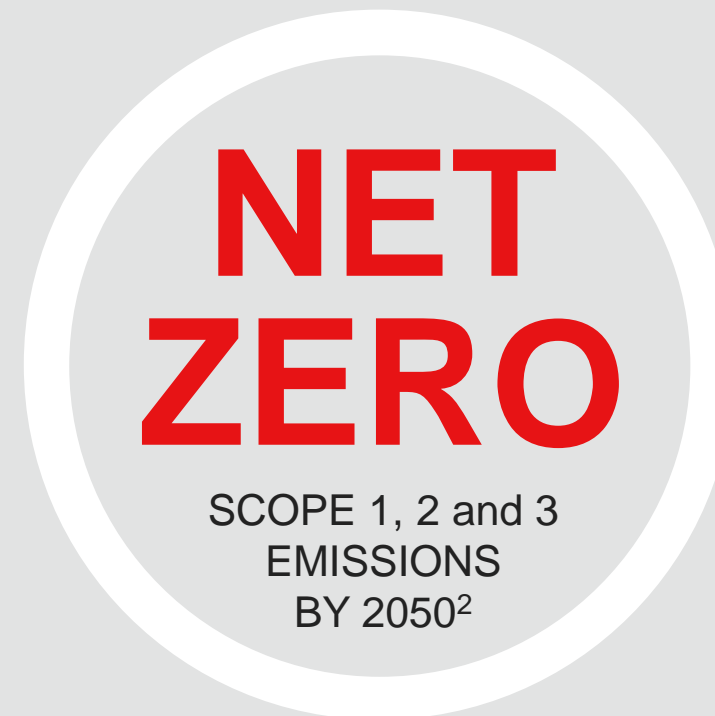
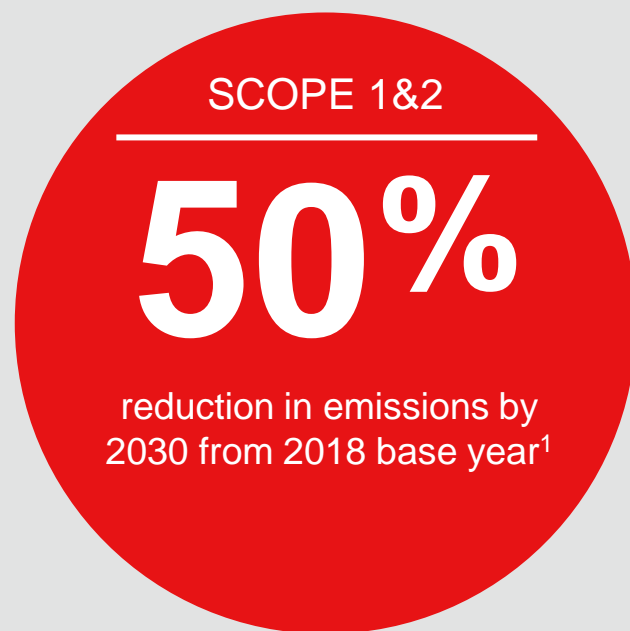
Scope 3

Progress toward 90% of suppliers by spend

	2021	2022
Suppliers with science-based climate targets	6%	13%
Suppliers committed to set a science-based climate target	9%	10%

Our path to net-zero

Our targets are aligned with the Paris Agreement's goal to limit global temperature increase to 1.5°C above pre-industrial levels as well as the Science Based Targets initiative's (SBTi) Net-Zero Standard.



Our targets are **validated** by the Science Based Target initiative



1 Exact target is 50.4%

2 Requires at least 90% reduction against the base year (2018 for Scope 1 and 2, 2021 for Scope 3) with long-term removal of any residual emissions generated after the target date

Advancing our net-zero plan

Supporting our customers' sustainability and innovation goals



High-impact investments

- Investing in **infrastructure**, software and human capital
- Developing long-term **financial plan** to realize emission targets
- Seeded **\$20 million in 2022** to start shift away from fossil fuels
- Established steering committees and **Board oversight** of climate program



Renewable electricity

- **Transitioning away** from fossil fuels
- Accelerating installation of on-site **solar**
- Increasing procurement of long-term **power purchasing agreements** (PPAs) to support development of new wind and solar facilities



Supplier engagement

- **Engaging with suppliers** to reduce value chain emissions of our customers
- Using the industry leading **EcoVadis** platform to streamline engagement
- Taking near-term action to lower scope 3 emissions such as joining **United's Eco-Skies Alliance** to decarbonize business travel



More sustainable products

- Expanding our **greener product alternatives** and ENERGY STAR-certified products to help scientists advance sustainability in the lab
- Using the **green leaf symbol** to make it easier to find lower impact product options
- Leading participant in **My Green Lab's ACT** Environmental Impact Factor Label program

Our colleagues and other stakeholders are critical partners in helping us achieve our goals

Our carbon footprint

13.2 million metric tons of carbon dioxide equivalents (scopes 1, 2 and 3)

Suppliers – 65.7%

- Purchased goods and services 63.2%
- Capital goods 2.4%



Transportation – 10.2%

- Transport and distribution 10.2%



Operations – 6.3%

- Purchased electricity and steam 1.9%
- Fossil fuels and refrigerants 2.7%
- Fuel- and energy-related activities 1.1%
- Waste 0.6%



Colleagues – 4.1%

- Commuting 3.2%
- Business travel 1.0%

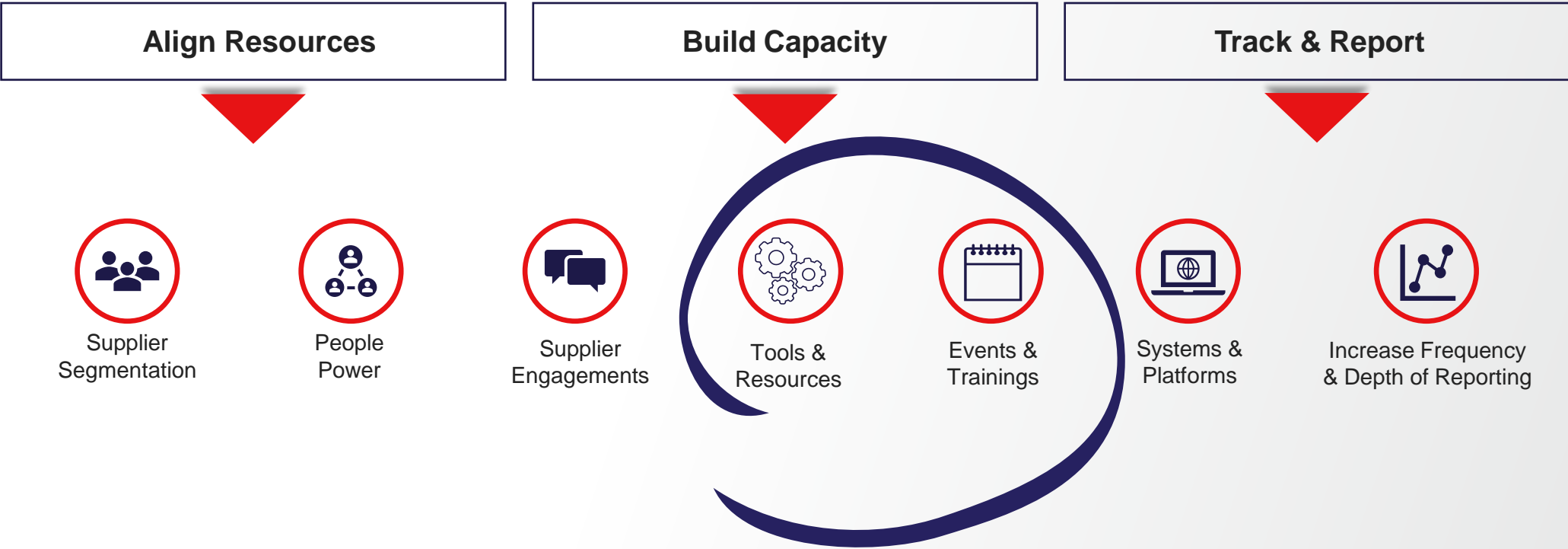


Product use and disposal – 13.7%

- Use of sold products 13.2%
- End-of-life treatment 0.4%



Driving Action with Suppliers





SUPPLIER DAY 2023

03

WE WORKED CLOSELY WITH THE THERMO FISHER TEAM TO DESIGN A PURPOSE-DRIVEN AGENDA ENCOURAGING THEIR SUPPLIERS TO JOIN THEM ON THEIR DECARBONISATION JOURNEY. NEW VIRTUAL FORMATS & AUDIENCE ENGAGEMENT TOOLS WERE KEY TO SUPPORT THE TEAM ON THIS IMPORTANT JOURNEY.

Emilie Doods - Strategic Programme Design Director, Supplier Day



TOGETHER FOR A SUSTAINABLE TOMORROW

CHALLENGE

As the world leader in serving science, Thermo Fisher recognises its responsibility to serve the global community, with sustainability being a vital part of this commitment. The organisation looks to its trusted network of suppliers and partners to help make a difference in the community and reduce environmental impact. Thermo Fisher's goal was simple: to align its strategic suppliers and partners - many of whom had no known sustainability or carbon reduction plan - with its vision for a collaborative future and to explore together how to create real value for customers and society at large through sustainable initiatives.

SOLUTION

Thermo Fisher invited key suppliers, internal procurement community and key business stakeholders to take part in 'Together for a sustainable tomorrow' - a virtual event designed to equip suppliers with tools & best practices to get started / accelerate their journey to net zero. 114 supplier organisations from 20 countries came together for a 3-hour interactive agenda featuring Thermo Fisher vision keynotes, supplier and partner sustainability showcase presentations and breakout sessions that inspired and accelerated action.

IMPACT

The event enabled Thermo Fisher to clearly communicate the what, why and how of its sustainability ambitions and carbon reduction plans. By engaging closely with attendees, Thermo Fisher was able to paint a clearer picture of what suppliers' existing carbon reduction plans are and encourage them to commit to Science Based Targets. Fundamentally, the event delivered a strong call-to-action that would live on post-event: "Here's what we now want you to go and do", facilitated on a day-to-day basis by the Thermo Fisher supplier account team.

FAR-REACHING & SUSTAINABLE IMPACT

82%

COST SAVING
VS PHYSICAL EVENT PRODUCTION

252

TONNES CO2
SAVED THROUGH VIRTUAL EXPERIENCE

73%

ATTENDANCE
OF ALL THOSE WHO REGISTERED

END-TO-END VIRTUAL EVENT MANAGEMENT



DESIGNED

SUSTAINABILITY THEME
KEYNOTE GUIDANCE
AUDIENCE INTERACTION TOOLS
OUTCOMES BASED AGENDA DESIGN



PRODUCED

114 SUPPLIER ORGANISATIONS
20 COUNTRIES
19 SPEAKERS
376 REGISTRATIONS
3 BREAKOUT SESSIONS



HOSTED

PRE AND POST-EVENT ENGAGEMENT
EXPERT FACILITATION
CHAT, Q&A AND SURVEY INTEGRATION
BEST OF BREED VIRTUAL EVENT PLATFORM

MEANINGFUL & MEASURABLE ROI

95%

OF ATTENDEES DESCRIBED THE EVENT AS VALUABLE

87.5%

OF PARTICIPANTS WOULD LIKE TO SEE THIS EVENT HAPPENING AT LEAST ONCE A YEAR

87%

REPORTED A STRONG UNDERSTANDING OF THERMO FISHER'S SUSTAINABILITY STRATEGY & EMISSIONS REDUCTION PLANS.

Decarbonization Playbook for Suppliers

OUR GOAL

Reduce our Scope 3 emissions by creating and delivering a decarbonization 'how to guide' to our suppliers.

OUR APPROACH

- ✓ Leverage insights & best practices from existing playbooks
- ✓ Create the playbook outline, focusing the narrative approach on a broad audience with varying levels of decarbonization maturity
- ✓ Assemble an internal team of content contributors & Subject Matter Experts to author the playbook content
- ✓ Collaborate with a creative agency on the design
- ✓ Provide shoppable directory of consultancy support within the playbook. Allowing suppliers to self-service support based upon their needs.