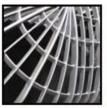


ESG & Carbon Neutrality Path

















Agenda

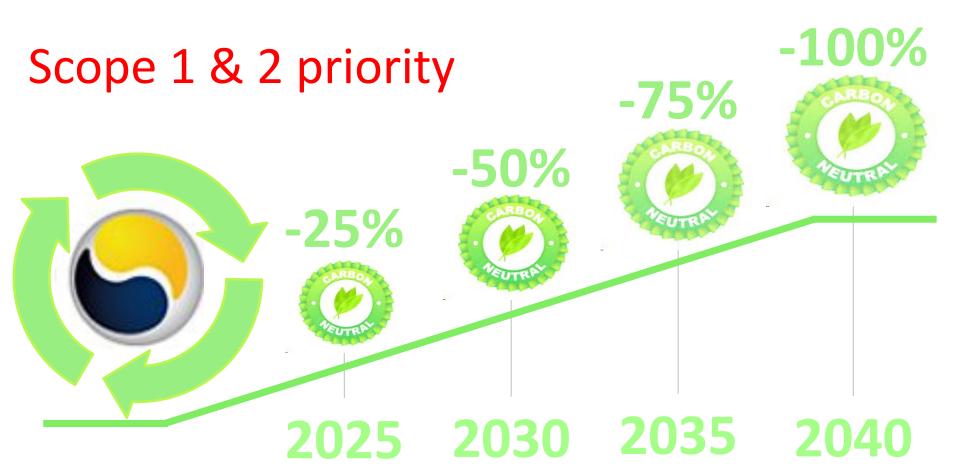


1	Rototech ESG Commitments
2	Carbon Neutrality plan



Scope definitions

- Scope 1 emissions from sources that an organisation owns or controls directly
- Scope 2 emissions that a company causes indirectly and come from where the energy is produced
- **Scope 3** emissions that are not produced by the company itself and are not the result of activities from assets owned or controlled, but by those that it's indirectly responsible for up and down its value chain





Step 1.
Initial Assessment

Step 2.
Use «green» energy

Materials

Step 4.
Electric/Hybrid machines

Re- Use scrap

5 Steps process



Step 1.
Initial Assessment

Step2. Use «green» energy Step 3.
Use «Green»
Materials

Step 4.
Electric/Hybrid machines

Step 5. Re- Use scrap

Project Summary – Initial Assessment

○ Cerved RATING AGENCY

Notified Body for assessment

Initial assessment on CO2 emission:

- Scope 1: defined as the CO2 produced by internal produced
- Scope 2: defined as the CO2 produced by energy provide

In Rototech case, for year 2023, those values are (in CO2 ton

Scope 1 1.911 CO2 ton Scope 2 831 CO2 ton

2.742 CO2 ton



SCOPE 2 | Emissioni indirette da energia acquistata (elettrica e/o termica)

Le aziende riportano le emissioni indirette generate dall'acquisto di elettricità o calore o vapore importati e consumati dall'organizzazione. Per molte aziende, l'elettricità acquistata rappresenta una delle maggiori fonti di emissioni di gas a effetto serra.

NOTA: *anche da fonti rinnovabili **autoprodotta mediante impianto di cogenerazione; escludere quantità di energia ceduta in rete;

Tipologie fonti.

Tipologie fonti	
Tipologia fonte energia	Ammontare
ENERGIA ELETTRICA ACQUISTATA*	кwh 3158592
ENERGIA ELETTRICA AUTOPRODOTTA**	kWh
"CALORE"	kWh
VAPORE	swh 2
OTALE EMISSIONI SCOPE 2 (TON CO2 EQ)	Scope 2 831



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Project Summary – Solar panels

Rototech will install solar panels on its plant rooftop (initially in Turin Plant, later to be extended to other plants) in order to produce 1,5 MW of green solar energy. Direct utilisation @Rototech site and sale of

excess energy to grid

Start date: Q1 2025

End Date: Q4 2025

Expected CO2 reduction: - 430 ton of CO₂/year





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Project Summary – Source "green " energy

Rototech is going to source electricity from providers that ensure such energy to be made from renewable sources, mainly hydroelectric units based in Piedmont region. Total already available energy: 700 MW.

Start from: Q1 2025

Expected CO2 reduction: - 400 ton of CO₃/yea<mark>l</mark>





Step 1.
Initial Assessment

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Project Summary - ISCC certified plastic material

In partnership with raw material suppliers, Rototech could supply ISCC certified materials produced in specific production sites that ensures polyethilene being generated from bio-ethilene source, still guaranteeing the key performance properties.

To be managed:

- Excess of cost vs other grades
- Material Re-Validation, Re-homologation

Start from: end 2026

Expected CO2 reduction: - 300 ton of CO₂/year

Mass Balanced Certified Circulen Polymers



- ISCC PLUS is a certification system for companies that provide recycled or renewablebased product content using a mass balance approach.
- Using the mass balance approach, ISCC PLUS certification verifies that the mass balance accounting follows predefined and transparent rules
- ISCC PLUS is a standard well-recognized by all stakeholders for advanced recycled and renewable materials
- ISCC PLUS: now available for our Wesseling, Germany, crackers, European polymer sites and for certain grades of polyethylene and polypropylene produced at four of our U.S. manufacturing sites

Company confidential



Step 1.
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Project Summary – Reduced cycle time raw materials – LYB 1490

Reduce the carbon emissions by utilising a raw material (i.e. LYB 1490) which allows reduced cycle time thus requiring less energy for transformation

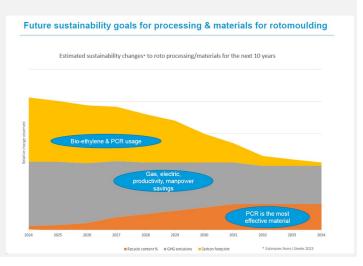
To be managed:

- Material Re-Validation, Re-homologation

Start from: Q1 2025

Expected CO2 reduction: - 100ton of CO₂/ye







Step 1.
Initial Assessment

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Use «green» energy

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Electric/Hybrid machines

Step 5. Re- Use scrap

Project Summary – Switch to Electric / Hybrid machines

Rototech is investing to reduce dependancy and use of natural gas for oven burners by adopting more Full Electric machines and converting Traditional machines to Hybrid. Smart machines are heating directly the mould, so less energy dispersion and if supplied with renewable energy, CO2 emission could be reduced to 0. Electricity shall be supplied by solar panels installed on roof top

To be managed:

- Payback on machines/molds
- Possible capacity constraints due to machine downtime

Start date: Q3 2025







Step 1. Initial Assessment Step2. Use «green» energy Step 3. Use «Green» Materials Step 4.
Electric/Hybrid machines

Step 5. Re- Use scrap

Project Summary – Re-Use scrap

Within environment certifications ISO 14001 and ISO 50001 Rototech is promoting its own scrap re-use and circularity.

Re-used raw material can either be sold or utilised for less technical applications (so called PIR - Post Industrial Reuse)

To be managed:

- Internal Scrap management
- Organize Ecological area
- Organise sub-supplier and auditing

Start date: Ų3 2024

Expected CO2 reduction: - 250 ton of CO₂/year



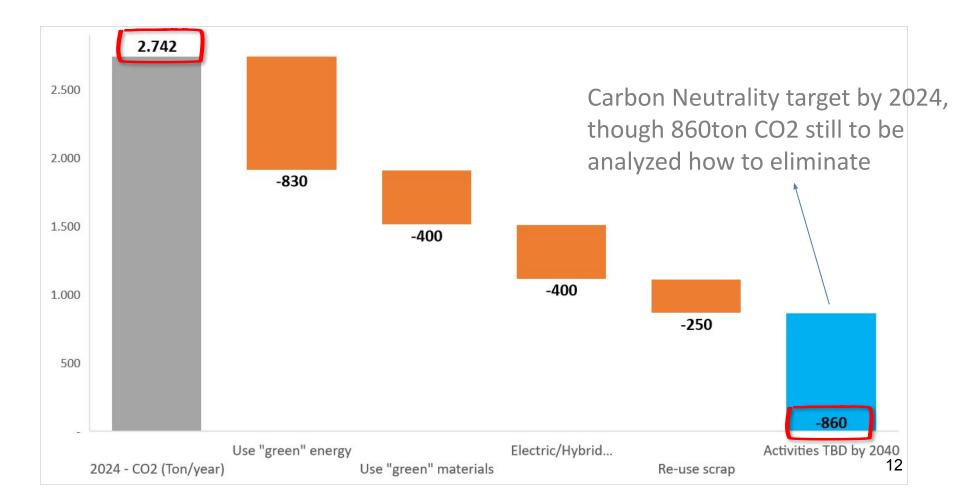
Step 1.
Initial Assessment

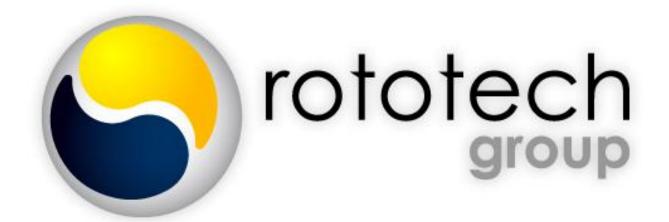
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Thank you



