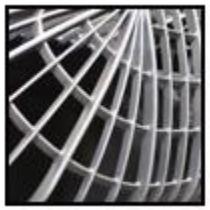
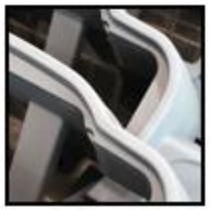
ESG & Carbon Neutrality Path


Agenda

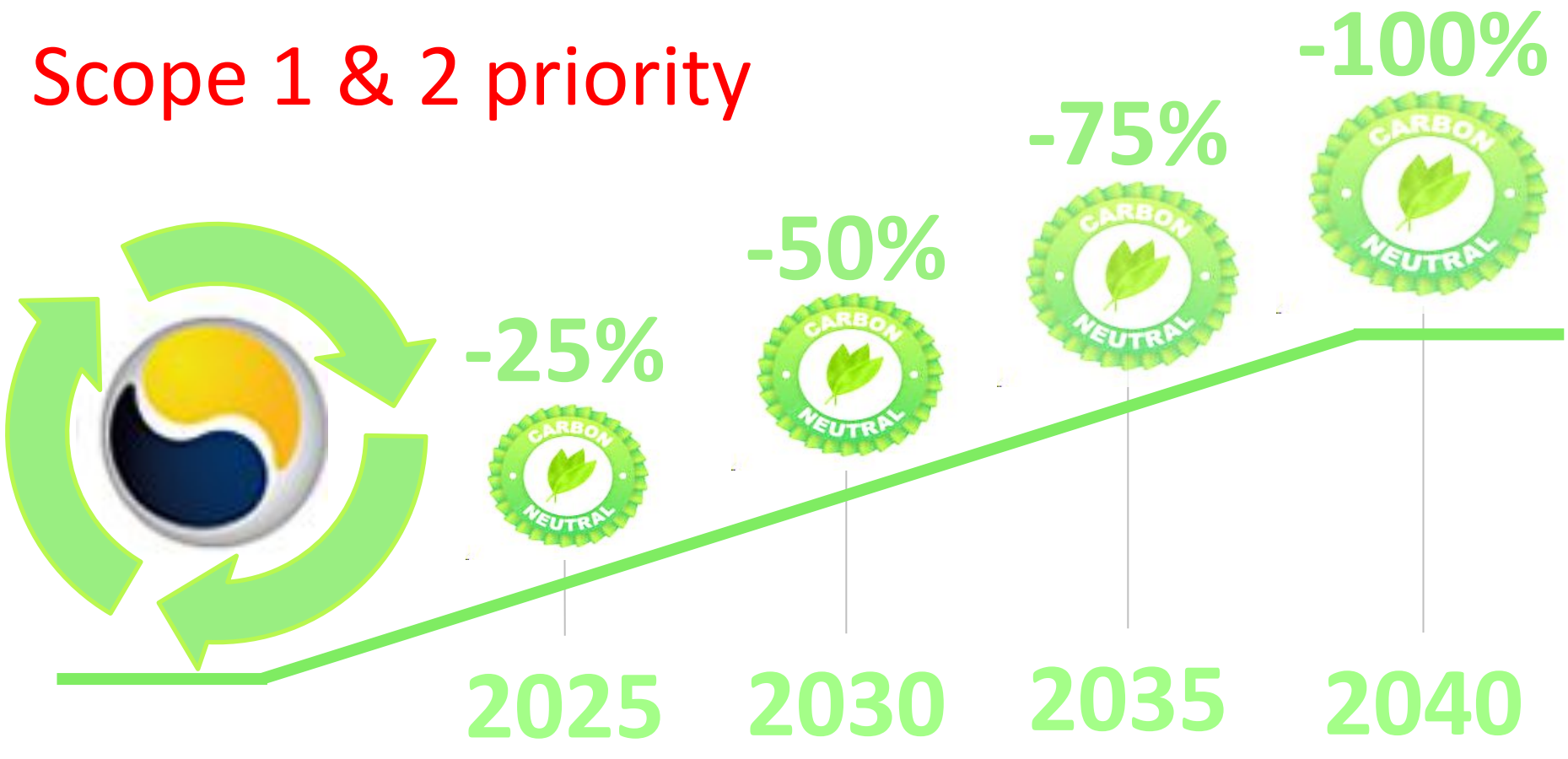
1	Rototech ESG Commitments
2	Carbon Neutrality plan

Rototech Carbon Neutrality path

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

Scope 1 & 2 priority



Rototech Carbon Neutrality path

5 Steps process

Rototech Carbon Neutrality path

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*

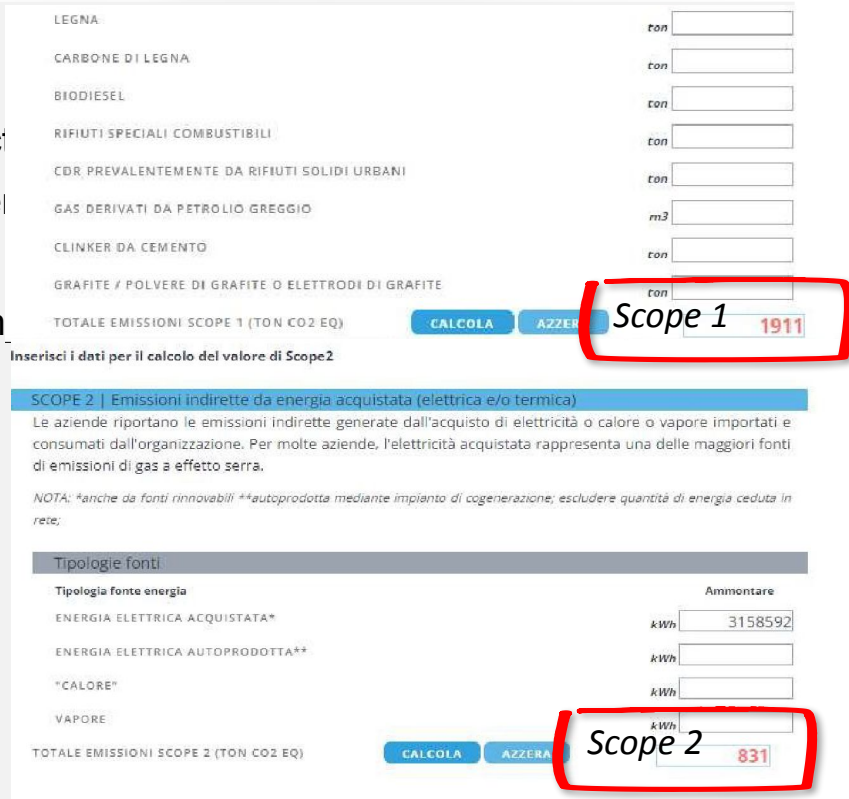
Initial assessment on CO2 emission:

- Scope 1: defined as the CO2 produced by internal produc
- 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



Rototech Carbon Neutrality path

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 – 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 CO_2/year~~

Rototech Carbon Neutrality path

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 – 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 CO_2/year

Rototech Carbon Neutrality path

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 - 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.

<u>To be managed</u>:

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

Start from: end 2026

Expected CO2 reduction: - 300 ton of CO_2/year

Rototech Carbon Neutrality path

Step 1.
Initial Assessment

Step2.
Use «green» energy

Step 3.
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Step 4.
Electric/Hybrid machines

Step 5.
Re- Use scrap

Project Summary – Reduced cycle time raw materials – LYB 1490

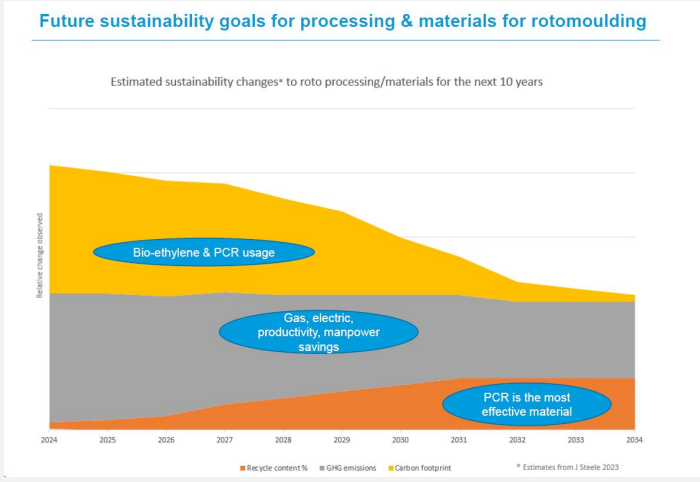
Reduce the carbon emissions by utilising a raw material (i.e. LYB 1490) which allows reduced cycle time thus requiring less energy for transformation

<u>To be managed</u>:

- Material Re-Validation, Re-homologation

Start from: Q1 2025

Expected CO2 reduction: - 100ton of CO_2/year



Rototech Carbon Neutrality path

Step 1.
Initial Assessment

Step2.
Use «green» energy

Step 3.
Use «Green» Materials

Step 4.
Electric/Hybrid machines

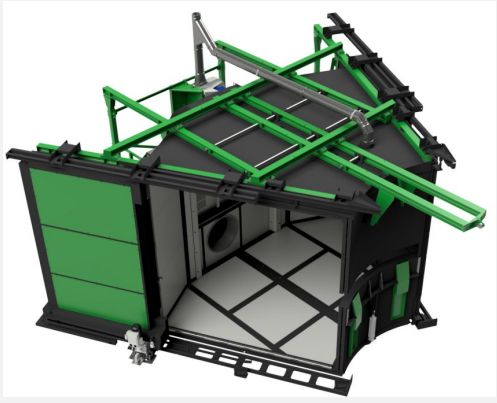
Step 5.
Re- Use scrap

Project Summary – 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

<u>To be managed</u>:

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



Start date: Q3 2025

Expected CO2 reduction: - 400 ton of CO_2/year

Rototech Carbon Neutrality path

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: Q3 2024

Expected CO2 reduction: - 250 ton of CO_2/year

Rototech Carbon Neutrality path

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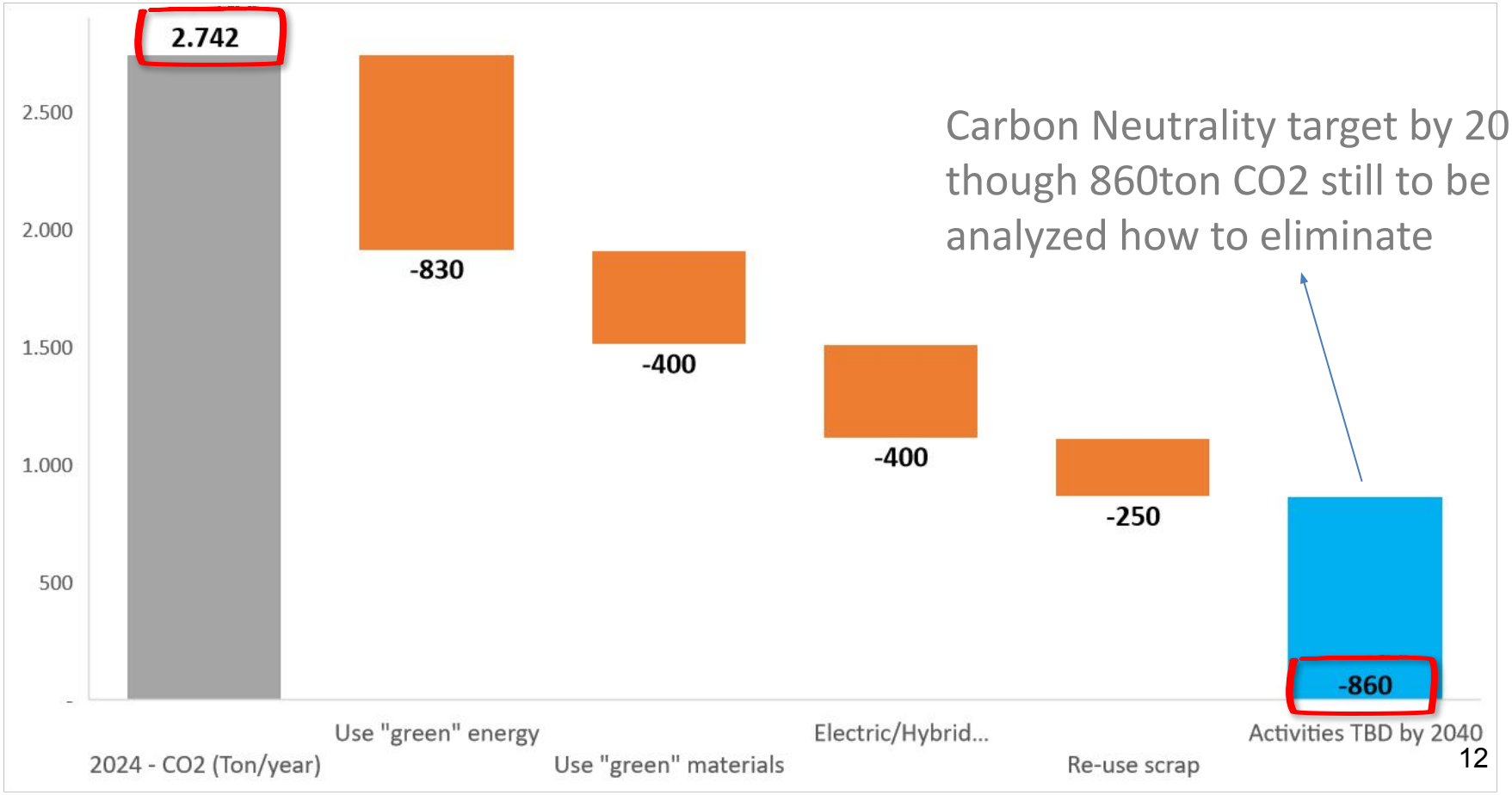

Carbon Neutrality target by 2024, though 860ton CO2 still to be analyzed how to eliminate

rototech
group

Thank you