



A dream team for the green dream  
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# “Recovery” a Circular Economy Project

10<sup>th</sup> German-Brazilian Dialogue on  
Science, Research and Innovation  
May 17<sup>th</sup>, 2023

**“Sustainable Energy  
Transition”**

**Gabriel Trevisan**

# Bosch – “Invented for Life”

## Who we are: our company in figures

In 2022



88.2

billion euros  
sales revenue



3.8

billion euros EBIT  
from operations



421,300

Bosch associates  
worldwide at year-end  
(approx.)



468

subsidiaries and regional  
companies in more than **60**  
countries

# Who we are

## Bosch Latina America



**Panama** since 2011



**Costa Rica** since 2015



**Colombia** since 2008



**Ecuador** since 2015



**Peru** since 2010



**Chile** since 2008



**Argentina** since 1924



**Brasil**

since 1954



**Campinas**



**Itatiba**



**Belo Horizonte**

**São Paulo**



**Sorocaba**



**Curitiba**



**Joinville**



**Pomerode**



**Paraguay** since 2019



**Uruguay** since 2016



Sales Office



R&D



Manu-  
facturing



Communication Center



**BOSCH**





## A few of our sustainability targets

Since 2020, the Bosch Group with its more than 400 locations worldwide has been climate neutral (scopes 1 and 2)

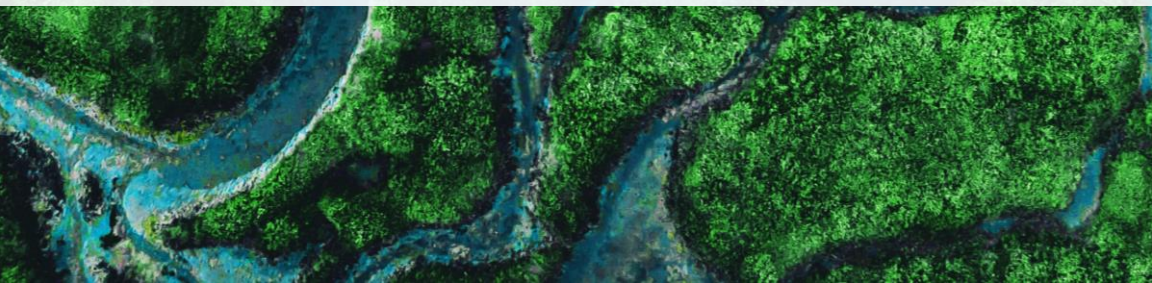


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**-15%**

absolute reduction in  
scope 3 carbon emissions  
by 2030\*

\*compared to 2018 baseline year



## Focal points of our sustainability management

We have summarized in the "New Dimensions - Sustainability 2025" target vision.

It describes six topic areas that set the framework for our activities in the coming years.

# Circular Economy at Bosch

## Circular Economy Strategy



### Materials efficiency

The best solution for the environment is to use fewer materials



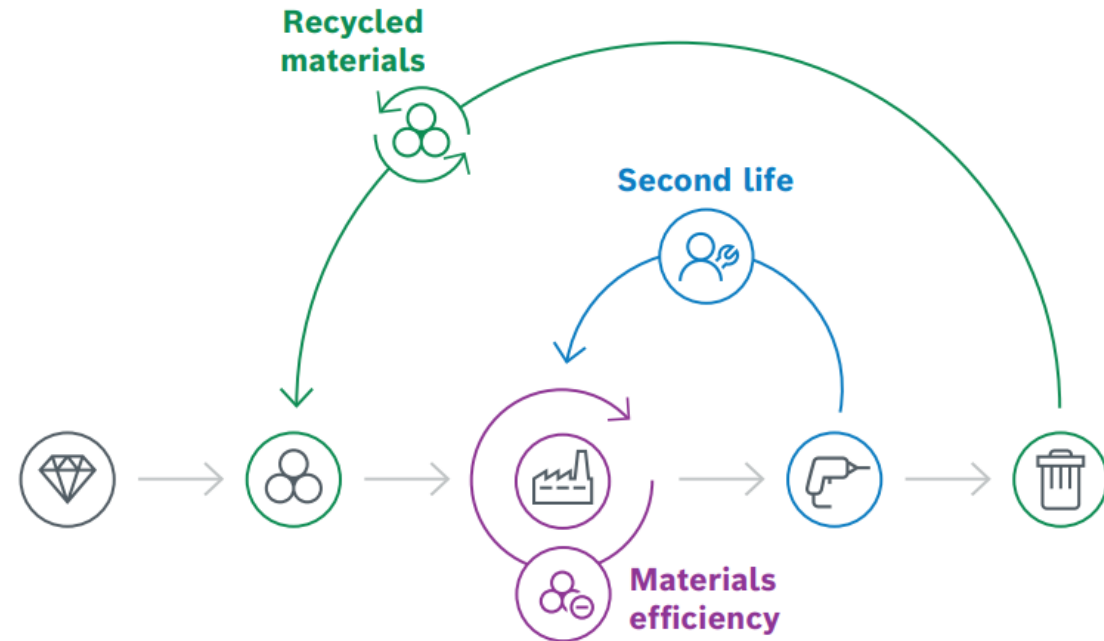
### Second life

Reuse, repair and reman to extend a product's life cycle  
Closing the loop within Bosch



### Recycled materials

Use of recycled materials  
Closing the loop outside Bosch





# “Recovery” Project – collect end-of-life products

## Why did “Recovery” start?

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**MITIGATE PRODUCT FALSIFICATION**

Control the product life cycle and mitigate possible falsification

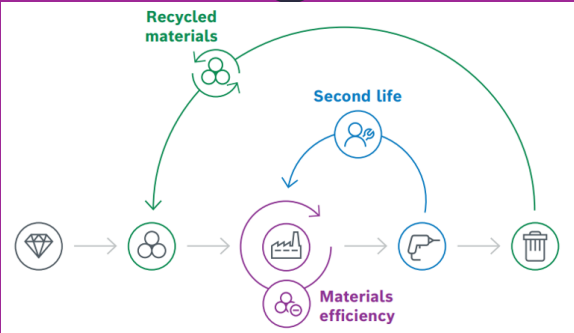
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**AVOID ENVIRONMENTAL RISKS**

Reinforce the environmental responsibility and appropriate disposal of our products

+



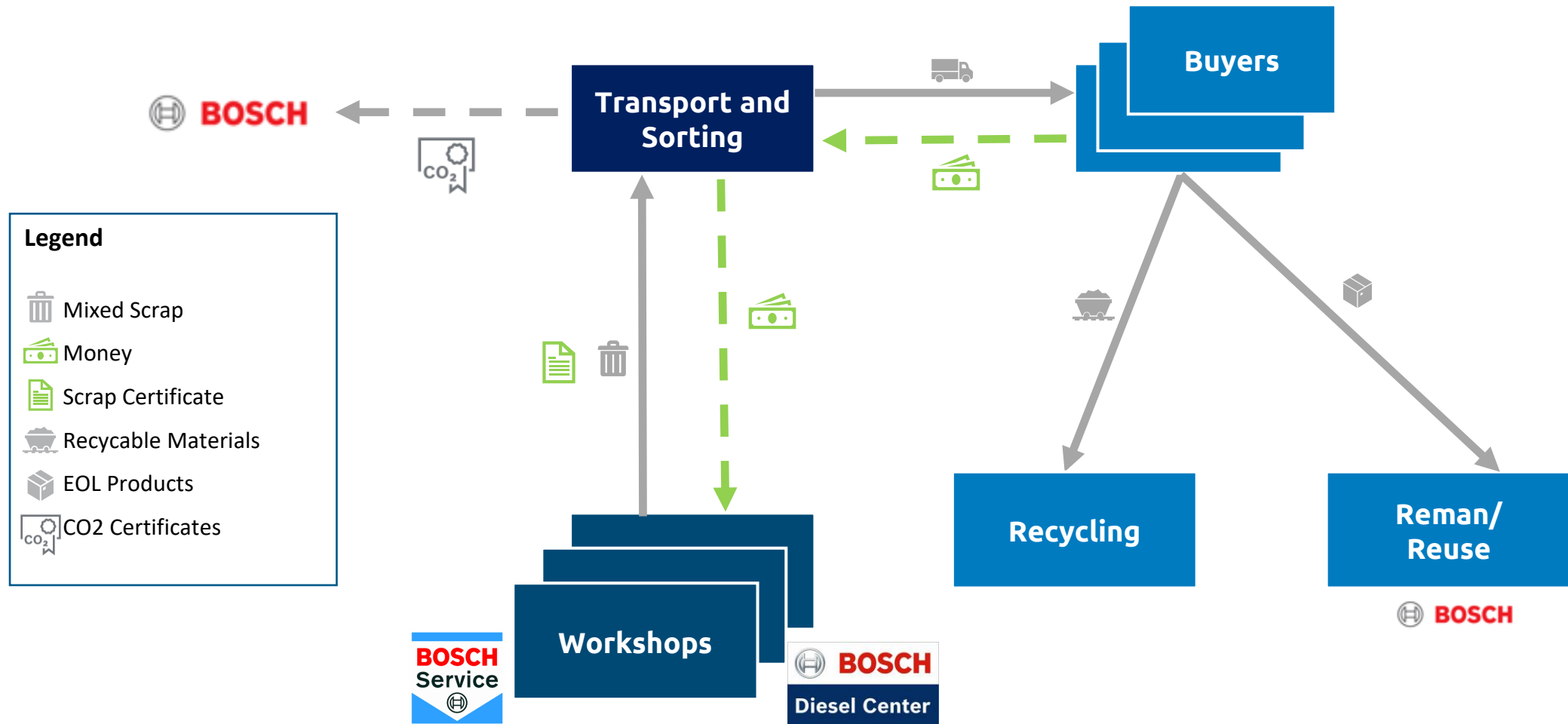
**CONTRIBUTE TO THE CIRCULAR ECONOMY**

Use, reuse or recycling concepts, contributing to reduce greenhouse gas emissions

Target: appropriate destination of end-of-life products based on a collaborative Circular Chain

# “Recovery” Project – collect end-of-life products

## How “Recovery” operates?





# “Recovery” Project – collect end-of-life products

## What have we achieved so far?

### From Jan.23 up to now

**> 100**

Bosch Workshop  
visited



**60**

Workshops signed the  
commitment to join  
the program

**11 Ton**

Saving CO<sub>2</sub>

**5,1 Ton**

End-of life products  
collected

### Potential Market (only Bosch workshops)

**~1.300**

Bosch Workshop  
Brazil



**~1.300**

Workshops signed the  
commitment to join  
the program

**16.770 Ton**

Saving CO<sub>2</sub>

**7.800 Ton/y**

End-of life products  
collected



# Project Barriers

## Policy and Regulation

- Lack of a reasonable framework, tax legislation and incentives

## Cultural habits

- Low awareness about Circular Economy concepts and values, mainly in small companies

## Infrastructure and Technology

- Insufficient infrastructure and technology to support Circular Economy, especially in remote regions

# Opportunities

## Economic & Environmental Benefits

- Increase competitiveness and reduce greenhouse gas emissions

## New Business Opportunities

- Possibility to include other companies and even automakers in this project

## Job Creation

- Social impact by creating formal jobs







## Recomendation

- Government acting as a trainer, “spreading the word” instead of only applying penalties
- Create economic incentives for recycling
- Simplify legislation and tax
- Invest in waste management infrastructure and incentive the creation of formal jobs (e.g., cooperative)

“Companies don’t have to choose between being profitable and doing what’s best for the planet. If the right path is chosen, both aims go hand in hand.”

Dr. Stefan Hartung, Bosch CEO

Thank you!

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