

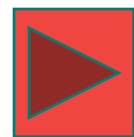
De CO₂-voetafdruk van IT binnen uw eigen organisatie



Jan Van Assche Joelle Tcherkezian



**Senior Key accountmanagers
CHG Meridian**





CIRCULAR ECONOMY. SUSTAINABILITY IN IT.

Jan Van Assche, Senior Key Account Manager

Joelle Tcherkezian, Senior Key Account Manager

13 June 2023

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General Introduction

02

Circular Economy –
Refurbishing &
Remarketing

03

carbonZERO –
Road to CO2 Neutrality

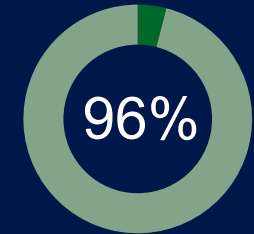
The CHG-MERIDIAN Group in figures: 2022

Development of lease origination (€ billion)



Total technology portfolio financed and managed as at Dec 31, 2022

€8,95 billion



Refurbishing Rate

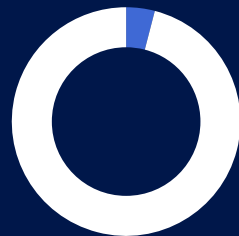
Volume of lease origination broken down by technology sector



Information Technology



Industrial Technology



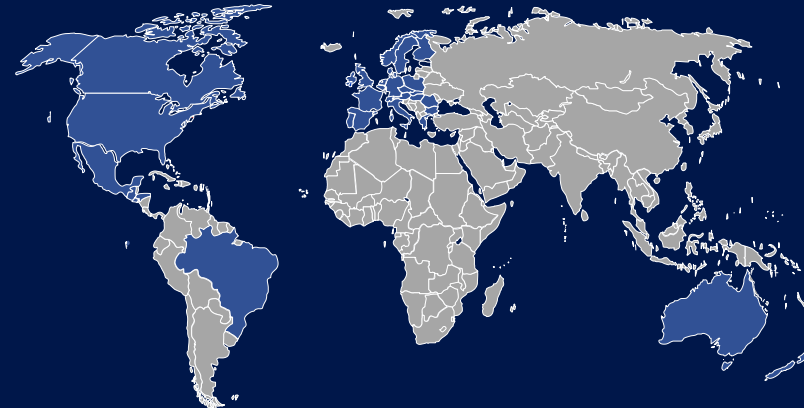
Healthcare Technology

30 countries

More than 1,300 employees

+1.000.000

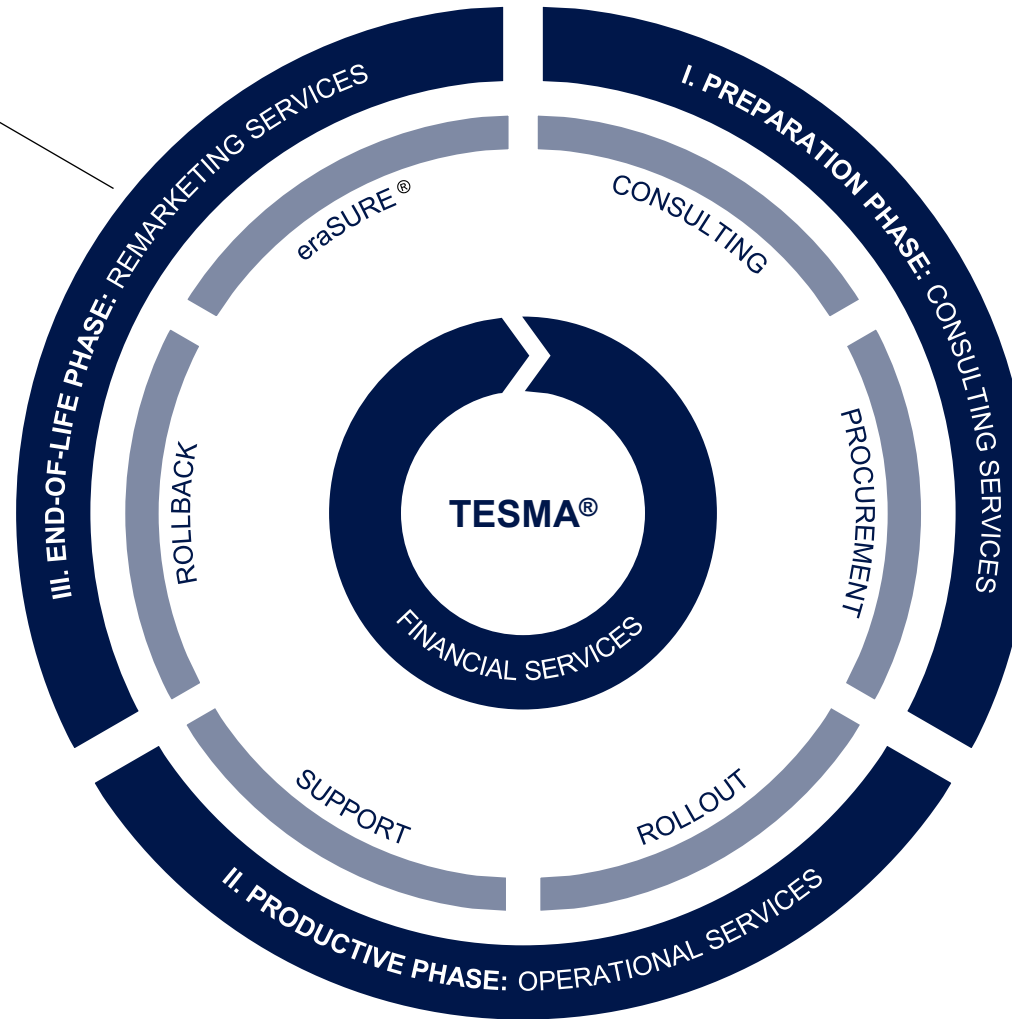
Assets around the world were given a second life



End-of-(1st)life phase

End-of-life SERVICES

- Logistics
- Certified data erasure
- Auditing
- Remarketing



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End-Of-Life Logistics: our core business

1. Certified Data erasure

2. Refurbishing

3. Remarketing & Recycling



Production and Remarketing

11.500 sqm
area for production,
warehousing and
eraSURE®

+ 1.000.000 assets
number of remarketed
devices 2022 (max.
capacity per year)



Eco-profile of the Technology Center



>96% of the devices are refurbished for a 2nd Lifecycle.

<4% are recycled professionally with certified partners.

50% of the energy requirement is produced by our photovoltaic system

Additionally required energy exclusively comes from renewable resources

ISO 14001 Environment management

Some Thoughts



- Time of use versus useful life?
- Lifecycle management ?
- Employer benefit ?
- ...


Our ISO-certifications



ISO
9001:2015

Quality Management

Systematically improve process flows and thus also the output quality




ISO
14001:2015

Environment Management

Systematic reduction of our environmental impact including emissions and waste


Includes our asset management as well as end-of-life process with certified data erasure, destruction and remarketing.



ISO
27001

Information Security Management


Systematic protection of information and ensuring the availability of IT systems



ISO
27701

Personal Information Management

Systematically ensuring compliance with data protection regulations regarding personal data



ISO
45001

Occupational Health and Safety Management

Systematic prevention of accidents and diseases

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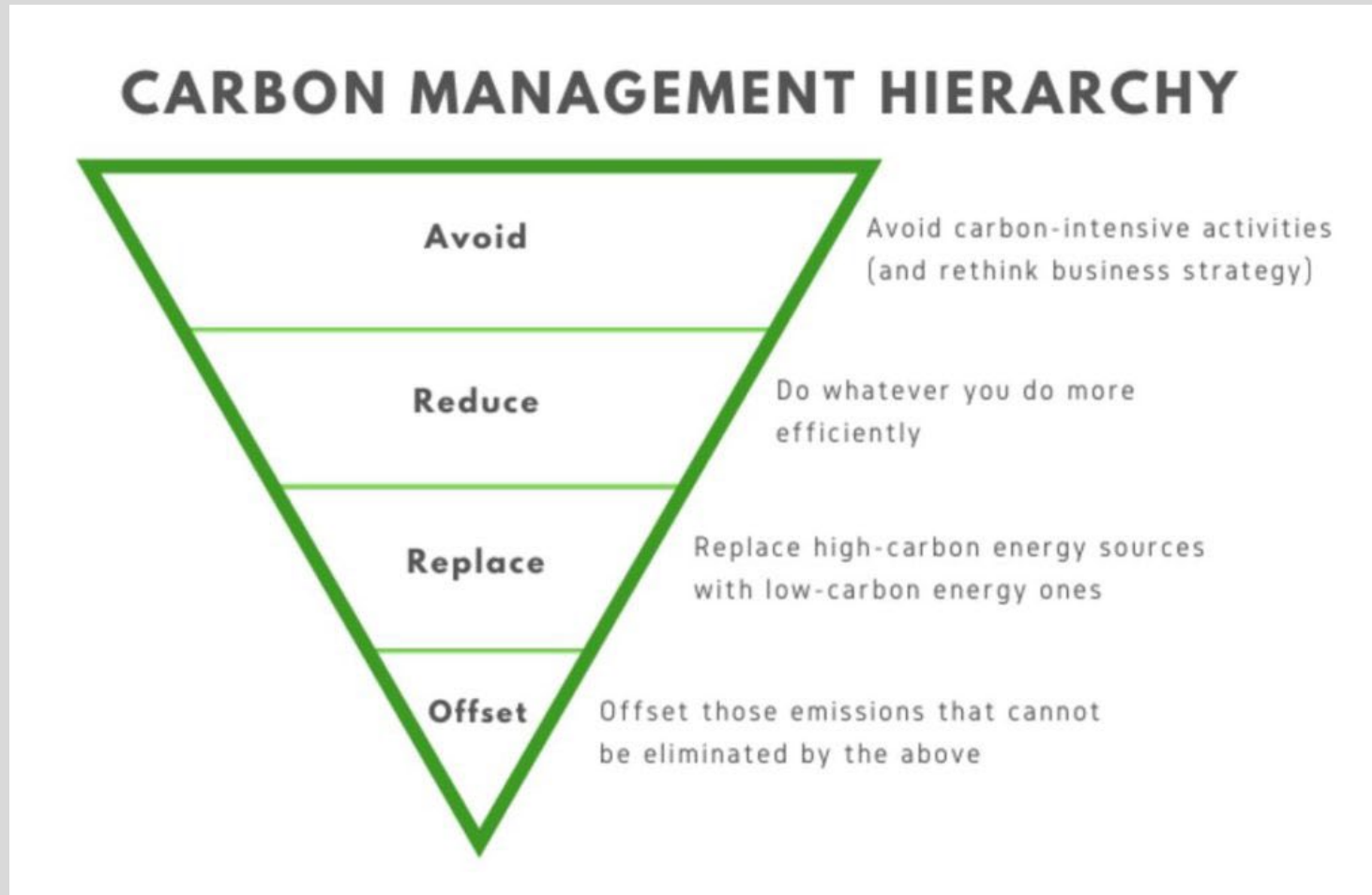
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carbonZERO –
Road to CO2 Neutrality

Carbon-neutral IT leasing with carbonZERO



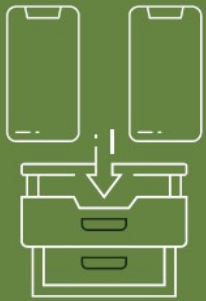
General Strategies found on the web...



Dr. Hans Friederich - <https://www.hansfriederich.com/2021/08/23/green-house-gas-reductions-and-removal-opportunities-and-challenges/>

The Green IT study*

Did you know?



2 out of 3

decommissioned IT devices end up at the bottom of a drawer or the back of a cupboard collecting dust!

* A study carried out by the **VITO** institute Belgium on behalf of CHG-MERIDIAN, compared different IT procurement models:



Conventional purchasing



Leasing



DaaS model

FINDINGS



-50%

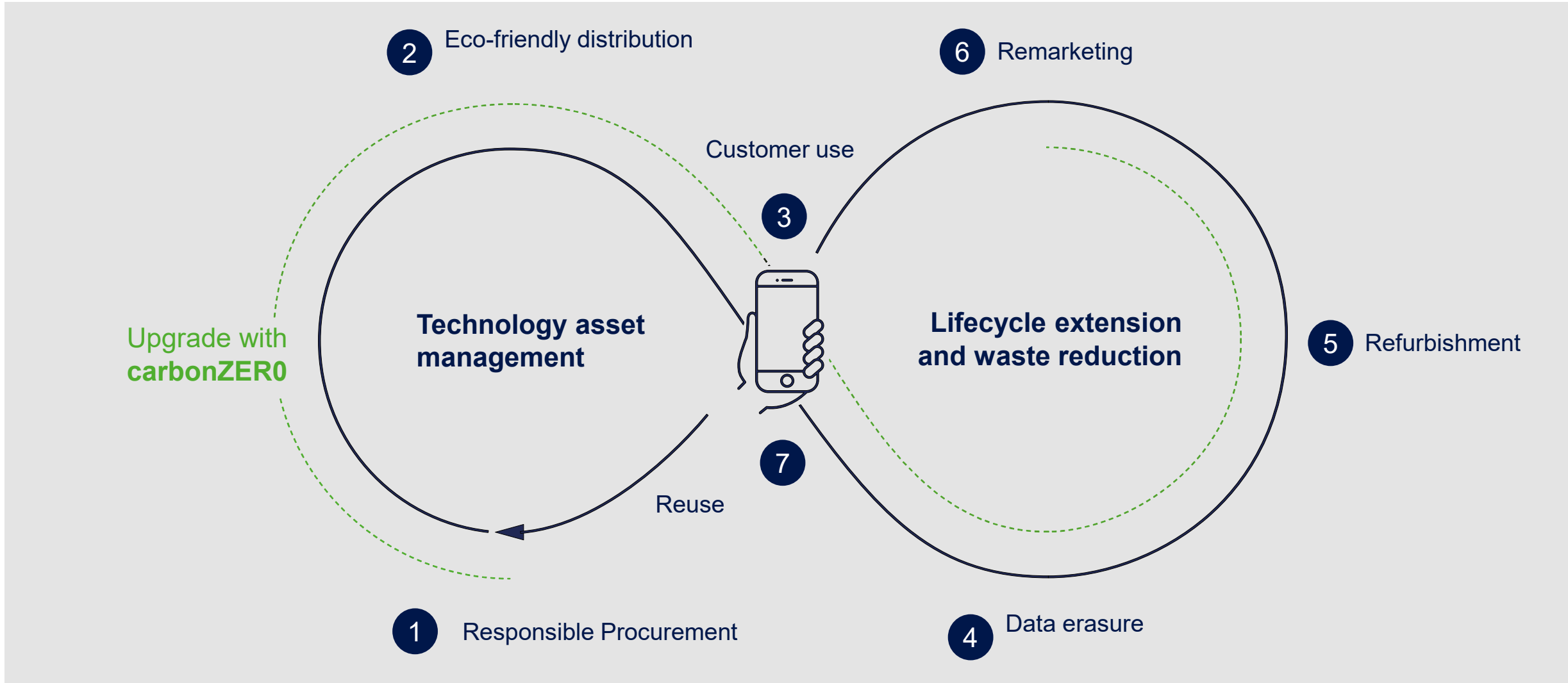
Usage models such as DaaS (rental), with successive cycles of use until the equipment reaches the end of its lifespan, have the potential to more than halve the greenhouse gas emissions associated with devices such as smartphones.



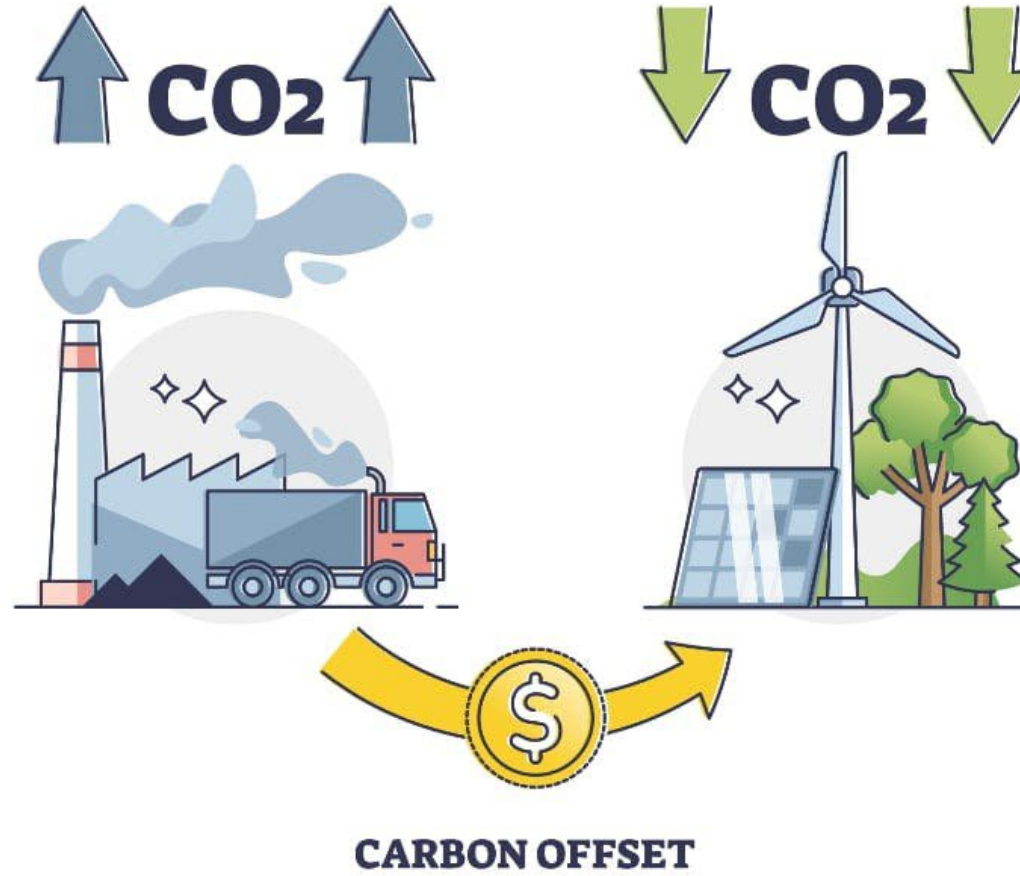
The consumption of raw materials can be reduced by as much as two-thirds when using the DaaS model rather than a purchase model if the purchased devices are not remarketed.



Lifecycle Thinking



“KEEP IT SIMPLE AND STUPID”



Laptop example

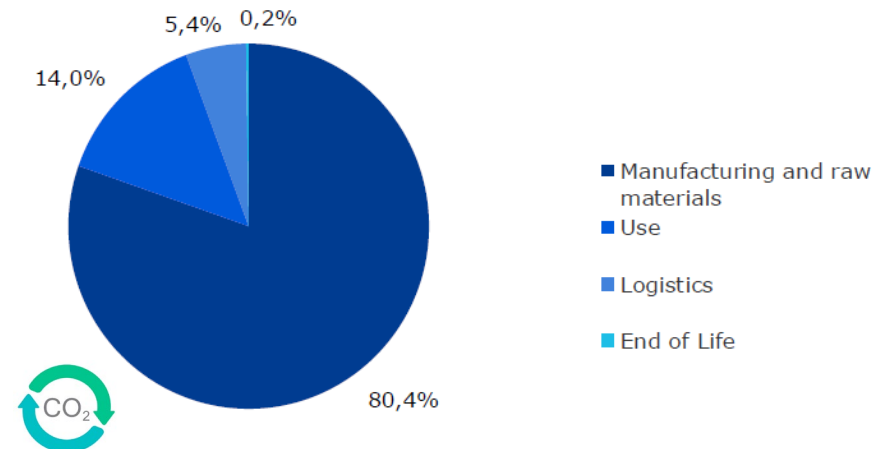
“Calculated the carbon emissions generated by the Leasing Asset Class Laptop including peripheral devices (i.e. mouse, keyboard, charging units) on behalf of CHGMERIDIANAG based on the „Greenhouse Gas Protocol Product Life Cycle Accounting and Reporting Standard“ (GHG Protocol).

For the calculation the "cradle-to-grave" approach was used, meaning that the life cycle phases included are extraction of raw materials, packaging, manufacturing, and delivery to the customer, the usage during the leasing schedule and the end-of-life phase.”

OFFSET 487 KG CO₂ / LAPTOP !

Project details		Laptop	
Product weight [kg]		approx. 2	
Amount [pcs.]		1	
Overview	Emissions [kg CO ₂]	Share	
Manufacturing and raw materials	356	80,4%	
Use	62	14,0%	
Logistics	24	5,4%	
End of Life	1	0,2%	
Sum Emissions	443	100,0%	
incl. Safety margin 10%*	487		

Share of the CO₂-Emissions



Laptop example

~2.000 laptops



~1.000 ton



~180 cars*



Carbon-neutral IT leasing with carbonZERO

Certified calculation CO₂ emissions

All greenhouse gases generated during the IT device lifecycle: production, transport, use & end-of-life phase.

Certified climate change mitigation projects

Support internationally certified climate change mitigation projects based on the UN's 17 sustainable development goals.

Low offset payments

Offsetting CO₂ emissions increases the monthly lease instalment by just a few cents.

Certificates

Internationally recognized certificate of the CO₂ emissions saved.

Our certified climate change mitigation projects



SOLAR ENERGY
in Jaloya, India

Gold Standard[®]

Efficient Technology Management[®]

carbonZERO project: solar energy, Jaloya, India

Solar energy, Jaloya, India

As part of this carbon offset project, solar parks were constructed in the Indian states of Maharashtra, Orissa, Jharkhand, Gujarat and Andhra Pradesh to use solar energy for sustainable power generation. The activities include the operation and maintenance of the photovoltaic plants, which generate around 349,000 MWh of electricity annually. The electricity generated is fed into India's state grid, replacing the equivalent amount of energy that would **otherwise have been produced by burning fossil fuels**. Thanks to the project, around 326,910 tonnes of CO₂ emissions can be avoided annually.

In addition to supplying clean electricity, the project also contributes to **infrastructure development** and the creation of **new employment opportunities**.

Project standard:
Gold Standard VER (GS VER)



Further information:
<https://www.climatepartner.com/1390>



CONCLUSION ?

GOOD IDEA ?



“E” & “E”



Sustainability: memberships

”

At CHG-MERIDIAN, we believe in end-to-end sustainability, technology2use management with the highest level of information security, fair competition, and respectful dialog with stakeholders.“

WE SUPPORT



Since 2021, the CHG-MERIDIAN Group has been committed to the UN Global Compact corporate responsibility initiative and its 10 principles in the areas of human rights, labor, the environment and anti-corruption.



Circular Economy Charter



SuRe Charter

Our contribution to UN Agenda 2030

At CHG-MERIDIAN we want to:

- ❖ be part of the solution to overcoming the challenges of our time
- ❖ actively shape the path toward sustainable development
- ❖ contribute to the achievement of the UN's Sustainable Development Goals (SDGs) and consider them a key factor in future business success



Q&A