



Measured is not Managed

What an IT estate looks like once the levers suggest themselves

Cloud, applications & devices — end to end, from collection to committed action

Three jobs, one question

The cloud manager

Owns the cloud estate

Billing & usage data

The application manager

Owns what runs on it

Observability data

The inventory manager

Owns the device fleet

Inventory data

Where am I paying for more than I need?

How can I be more efficient? And what will that save me, in cost... and **carbon**?

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Insights

Recommendations

Value

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Cloud manager

Where am I wasting cloud spend, and what can I save in cost and carbon?

From the cloud billing and usage data you already have.

Demo

Cloud Monitoring

Emissions

Costs

Provider

This year

Total Emissions

424 tCO₂eq

-31% vs. previous year

Total Energy Consumption

2.47 GWh

-30% vs. previous year

Total Costs

7.69 M€

-46% vs. previous year

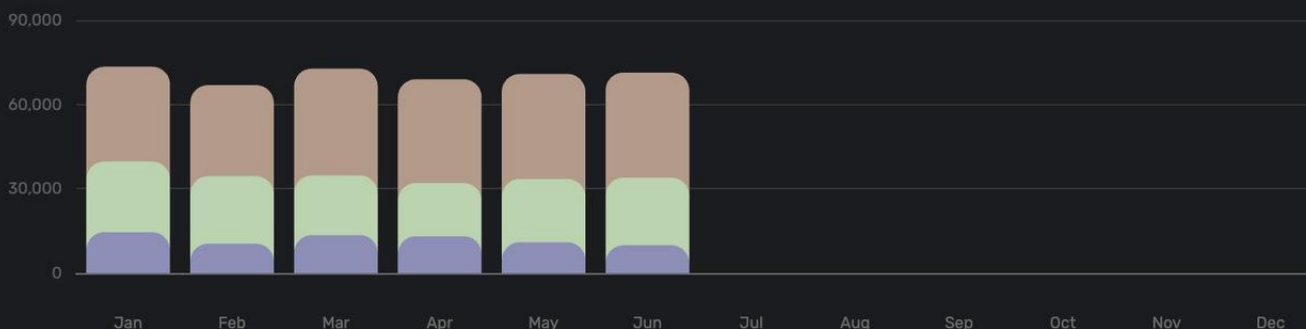
RECOMMENDATIONS

3 levers



Global Emissions

by provider



Top Emissions by

Accounts

Tags



Choose an account

Top Localization

France

173
tCO₂eq

Ireland

85.9
tCO₂eq

Brazil

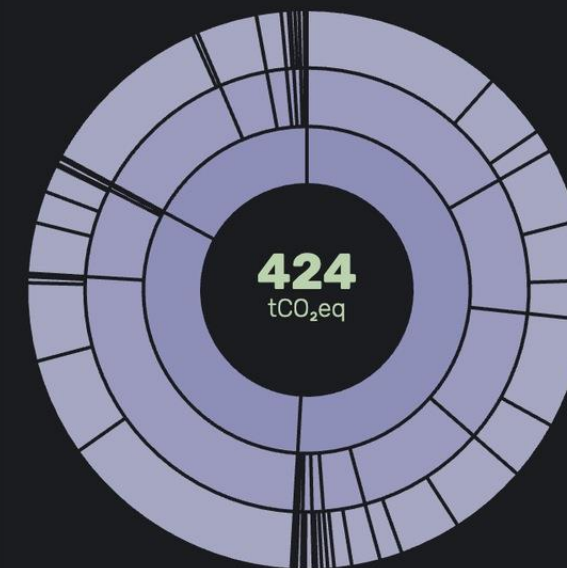
68.3
tCO₂eq

Spain

59.9
tCO₂eq

Un...

Service distribution



Select a service above

Overview

Decarbonize

Action Plan

Simulators

Modules

Cloud & On-prem

Cloud

On-prem

Workplace

Devices

Digital Workplace

GreenApp

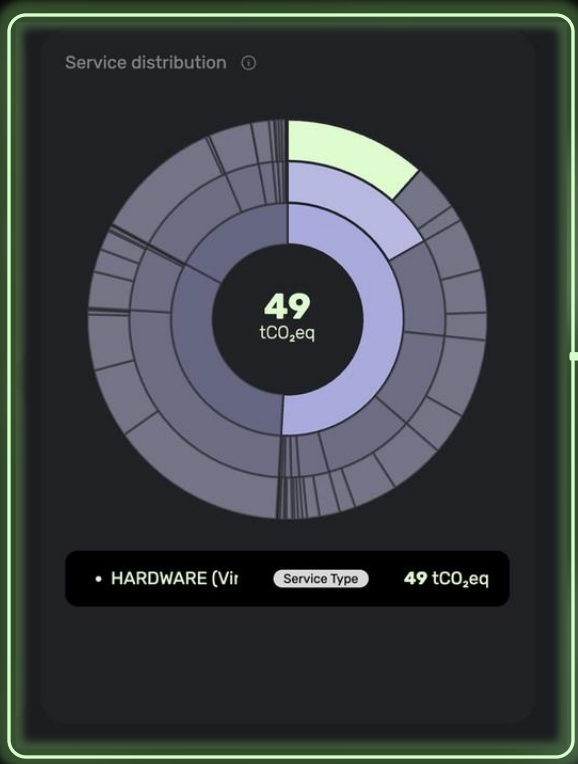
Data Export

Settings

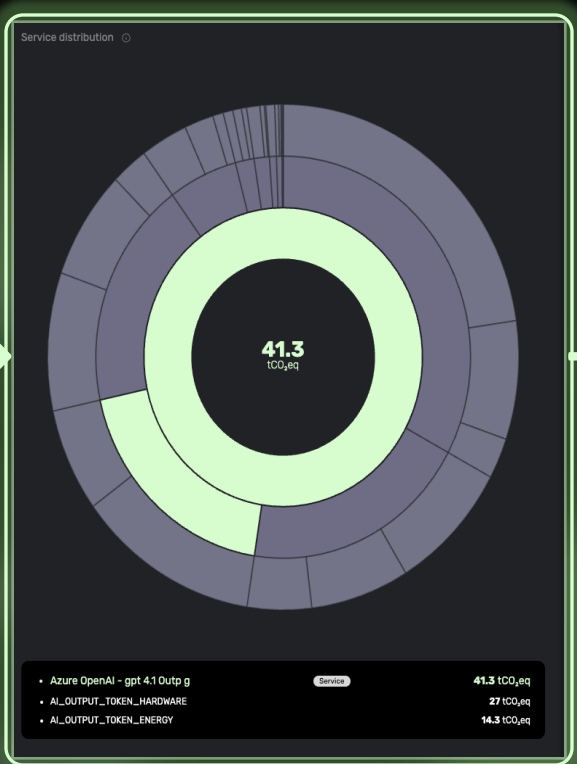
BackOffice

Log Out

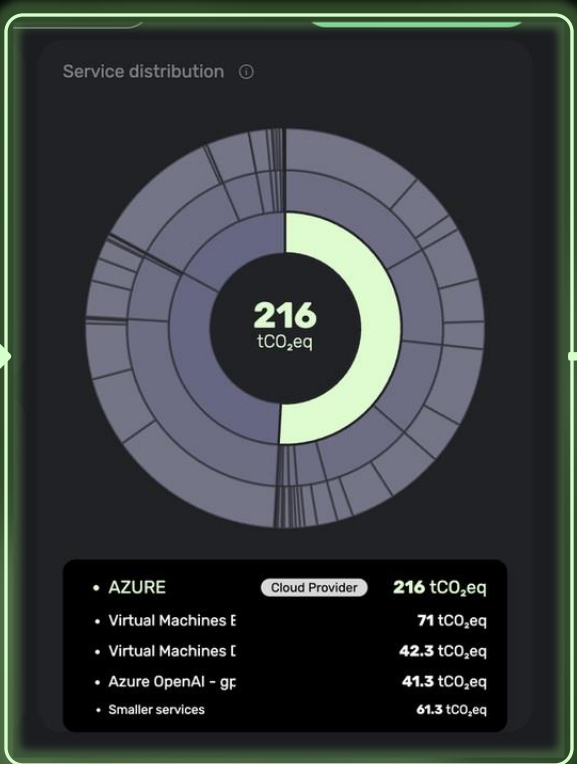
1 · component



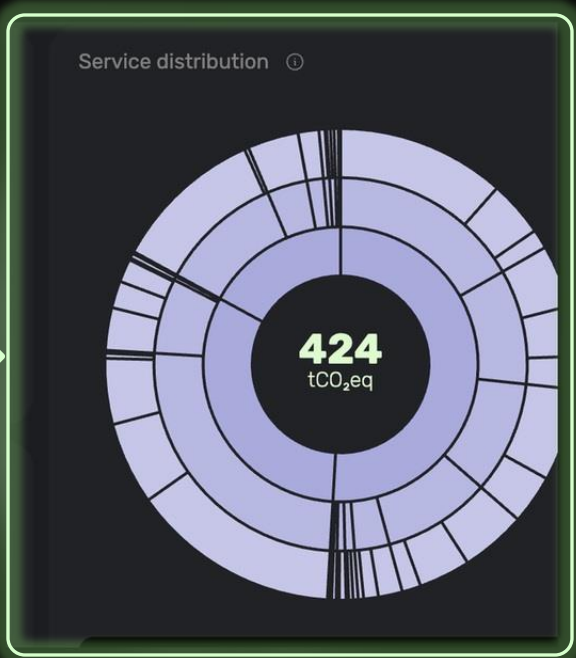
2 · service



3 · provider



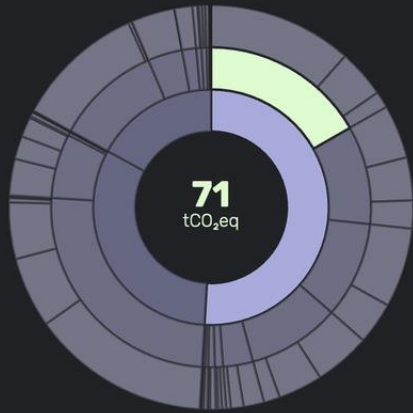
4 · total footprint



The largest single service, in detail

Virtual Machines Ev3 – E16 v3 in FR Central: 71 of Azure's 216 tonnes, 452 MWh and 644 k€ for the year, all on the ops account.

Service distribution ⓘ



- Virtual Machine **71 tCO₂eq**
- HARDWARE **49 tCO₂eq**
- MEMORY **16.4 tCO₂eq**
- COMPUTE **5.62 tCO₂eq**
- Smaller services **0 kgCO₂eq**

What this cannot tell you

Whether these machines are the right size.

< Virtual Machines Ev3 Series - E16 v3 - FR Central (Service)

Emissions

Costs

ops

This year

Total Emissions

71 tCO₂eq

-20 % vs. previous year

Total Energy Consumption

452 MWh

-18 % vs. previous year

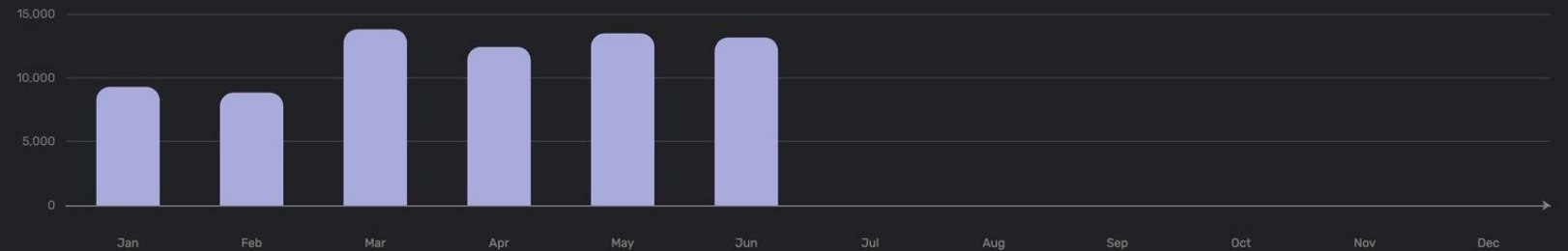
Total Costs

644 k€

-33 % vs. previous year

Global Emissions ⓘ

by account



Emissions Breakdown ⓘ

Name	Emissions	Δ previous year
ops	71 tCO ₂ eq	-39 %

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30 days costs

7.55 k€

30 days carbon emissions

116 kgCO2eq

Assets count

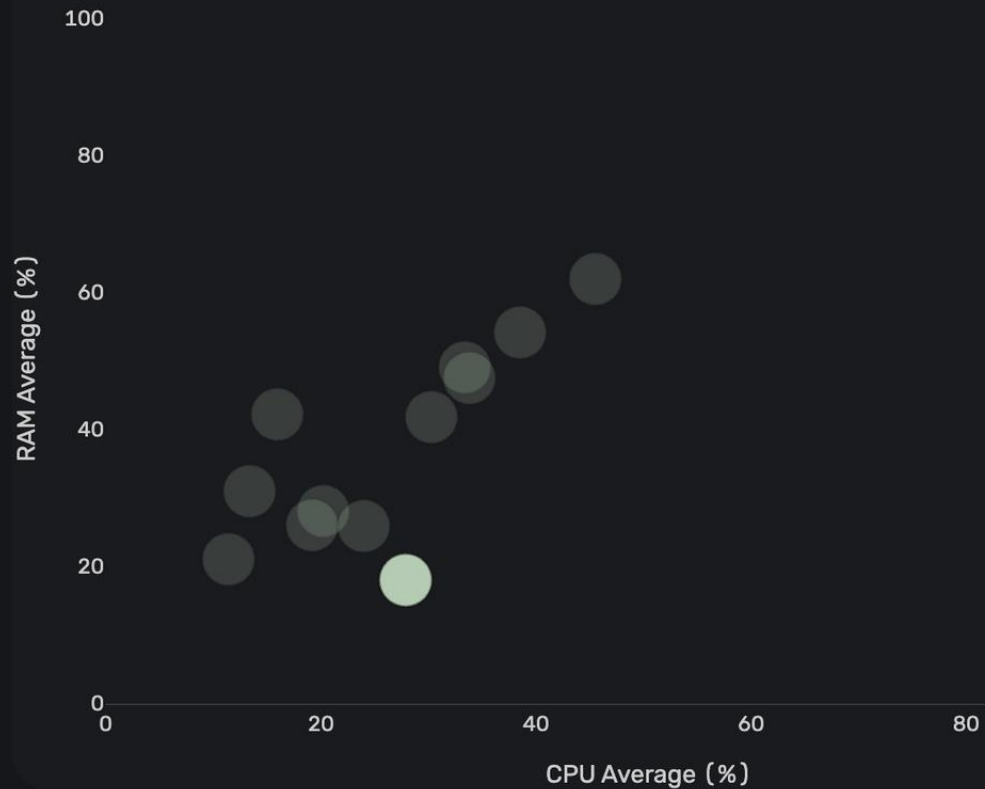
12 units

Efficiency matrix

VM Optimization

Anomalies Detection

Select asset(s)



Recommendations

Active

Snoozed

30 days potential savings

-261.0 € -3.46 %

30 days emissions potential cut

-3 kgCO2eq -2.61 %

STANDARD_DS3_V2

STANDARD_D2PLS_V
5Impact
on 30 days

- 3 kgCO2eq

68%

Action +

Savings
on 30 days

- 261 €

68%

Snoo... ⌚

Compare models



Cloud resource optimisation

Average CPU across, average RAM up. Every one of them sits below half its CPU.

Application manager

**Which applications can I
safely right-size?**

From the observability data you already have.

Beta

Simulators

Digital Workplace

 **GreenApp**

Log Out

 +2.87

Matrix

< 1 of 1

Select an application to explore its architecture

14.2 kgCO₂eq

CO2 reduction /

Architecture Deep-dive

Applicative

Infra

Hosts

host-vm-cache-01
26467.0 gCO2eq

host-vm-queue-01
24753.7 gCO2eq

host-vm-night-dev-01
11849.0 gCO2eq

host-vm-filesrv-01
10658.6 gCO2eq

host-vm-wiki-01
8989.9 gCO2eq

[PRODUCTION] Silent Zeppelin (silent-zeppelin)

Domains: Sopht

Infra sources: Kubernetes

Virtual Machine

D

Global EcoScore

EcoScore ?

Low

CPU

E

RAM

E

STORAGE

A

NETWORK

E

DATACENTER

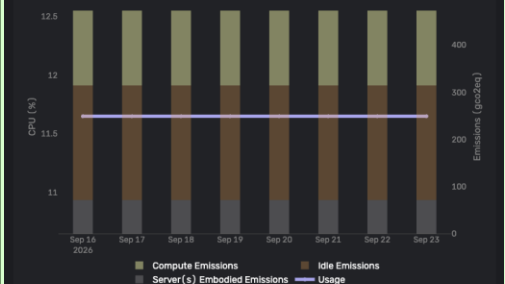
A

[demo] vm-filesrv-01 Deep-dive - CPU

CPU usage
11.7%

CPU Usage emissions (scope 2)
3.21 kgCO2eq

CPU - Usage & emissions



**CPU HOST DOWNSIZING BY
50%****CO2 reduction /
30d**
9.00 kgCO2eq

Reducing vCPU allocation curbs overprovisioning and improves utilization. This lowers electricity use (Scope 2) and, with consolidation, decreases physical server needs and embodied emissions (Scope 3).

See 2
options**RAM HOST DOWNSIZING BY
50%****CO2 reduction /
30d**
834 gCO2eq

Reducing allocated memory lowers baseline RAM power draw (Scope 2). It also increases VM density per host, enabling hardware consolidation over time and reducing embodied emissions (Scope 3).

See 3
options**MEMORY REQUESTS
WORKLOAD DOWNSIZING BY
50%****CO2 reduction /
30d**
0.00 gCO2eq

Lowering memory requests to match actual usage reduces reserved-but-unused RAM and lowers node baseline power (Scope 2). Consistent right-sizing improves bin-packing and allows operating smaller nodes or fewer nodes over time, enabling consolidation and reducing embodied emissions (Scope 3).

See 2
options**#1 - [demo] host vm-filesrv-01****CO2 reduction / 30d**
4.78 kgCO2eq**WHAT SOPHT DETECTED:**

- Env: "demo" (single environment – not scored)
- Crit: "Low"
- ✓ Peak CPU ref (max of p99 and 3h sustained): 15.0% (threshold 40%, derived from a 50% reduction and a 80% target margin)
- ✓ Avg CPU: 11.7%
- ✓ Stable CPU – StdDev over time: 0.5% (reference 5%)
- 0.0% of observed hours above 40% (saturation anchored on 1.0%)
- ⚠ Data amount: 480 exploitable hour(s) observed (data malus 14/20)

Select ↗

#2 - [demo] host vm-wiki-01**CO2 reduction / 30d**
4.23 kgCO2eq**WHAT SOPHT DETECTED:**

- Env: "demo" (single environment – not scored)
- Crit: "Low"
- ✓ Peak CPU ref (max of p99 and 3h sustained): 15.0% (threshold 40%, derived from a 50% reduction and a 80% target margin)
- ✓ Avg CPU: 10.2%
- ✓ Stable CPU – StdDev over time: 1.8% (reference 5%)
- 0.0% of observed hours above 40% (saturation anchored on 1.0%)
- ⚠ Data amount: 480 exploitable hour(s) observed (data malus 14/20)

Select ↗

Recommendations, quantified

CPU and RAM host downsizing. Each recommendation costed before anything changes.

The levers suggest themselves

No drill-down needed: these appear in GreenApp as soon as you open it, each with its CO₂ reduction already worked out.

Inventory manager

How do I get more life and value out of my device estate?

From the inventory data you already have.



Devices Monitoring

Location

Country

This year

Total Emissions

1.52 ktCO₂eq

vs. previous year

Total Energy Consumption

2.82 GWh

-7% vs. previous year

Devices over this Period

62.1 kunits

vs. previous year



RECOMMENDATIONS

5 levers

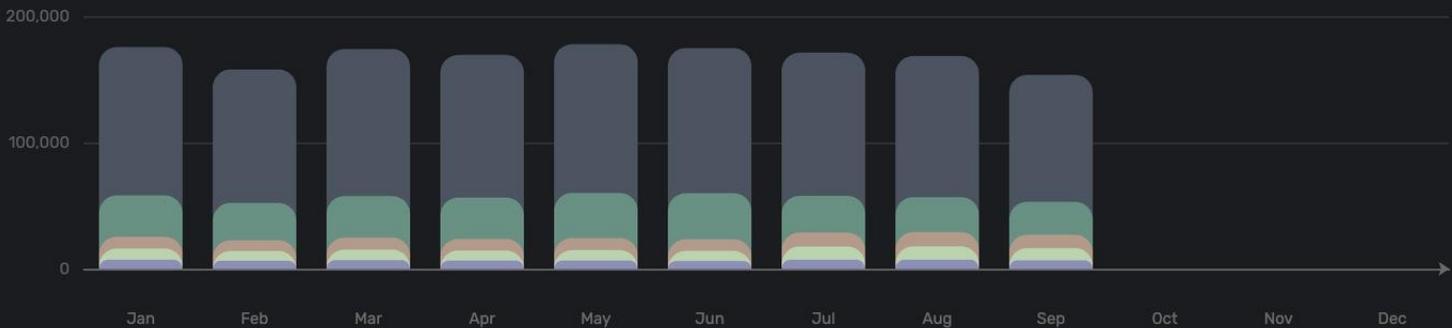


Global Emissions

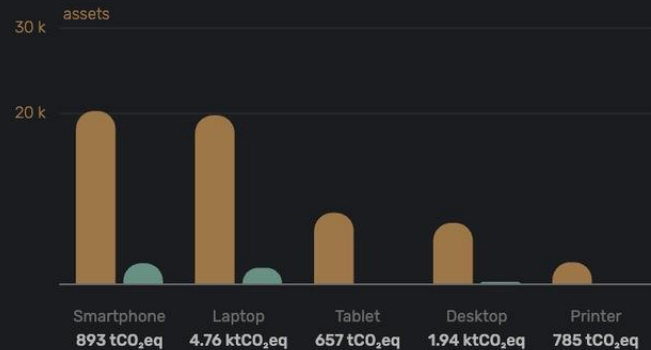
by category

Emissions

Energy



Scope 3 emissions



Usage Emissions Distribution

Laptop

Total 382 tCO₂eq

Share 73 %

Desktop

Total 122 tCO₂eq

Share 23 %

Printer

Total 8.44 tCO₂eq

Tablet

Total 5.75 tCO₂eq

Average Allocation

Per user

% in stock

	FR	DE
Laptop	0.95 per user	0.57 per user
Smartphone	0.48 per user	0.29 per user
Desktop	0.16 per user	0.09 per user

Physical Inventory

Input 3.62k units

Refurbished 53 % +382 %

Observed lifespan (avg.)

2.8 years +41 %

Output 32.4k units

Sustainable end-of-life 0 %

Laptops are your biggest source of emissions

73 % of usage emissions across 21,513 assets, 96 kWh each on average.

Usage Emissions Distribution ⓘ

Laptop ✕

Share **73 % of emissions**
Count 21,513 assets

	Energy	Emissions
Average	96 kWh	17.8 kgCO ₂ eq
Total	2.06 GWh	382 tCO ₂ eq



Physical Inventory

Location

Country

This year

Inventory Evolution

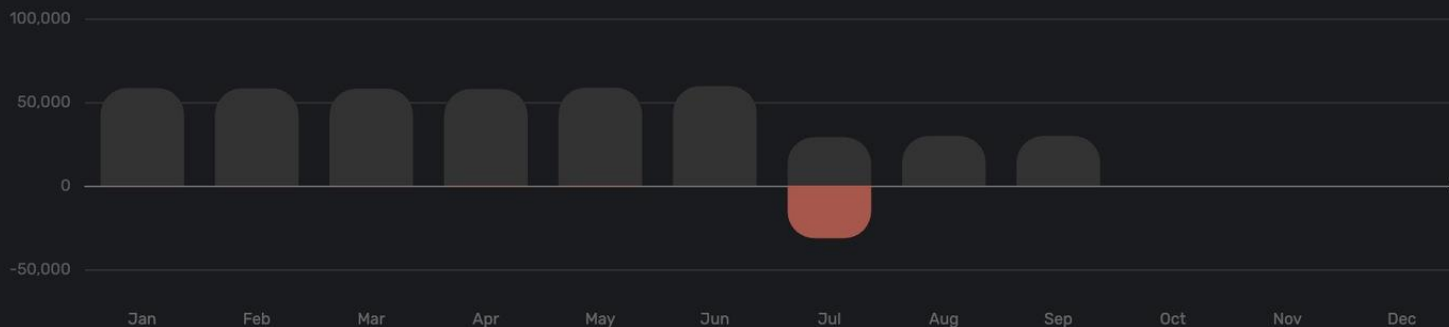
I/O Status

Purchased YTD

3.62k assets -78 %

Out of stock YTD

32.44k assets +1032 %



Distribution by age and category

Count Total Emissions Emissions per unit

	0 year	1 year	2 years	3 years	4 years	5+ years
Laptop	1.17 k assets	10.1 k assets	2.05 k assets	1.94 k assets	1.61 k assets	147 assets
Desktop	679 assets	1.16 k assets	1.15 k assets	976 assets	829 assets	79 assets
Smartphone	2 k	3.54 k	3.65 k	3.21 k	2.63 k	259



Dell Latitude E7280

out of stock (#), FR

New

Hardware

Emissions 244 kgCO₂eq
Lifespan 3 years (75% amort.)
09/29/2023

Devices List

Laptop

3 years

De	Bran	Mode	In	Out	Amo	Status
Dell	DELL	Dell L	09/29/2023	-	75 %	out of st
Thin	LENO	ThinkF	09/29/2023	-	75 %	out of st
HP E	HP	HP Eli	09/29/2023	-	75 %	out of st
CHR	ASUS	CHROI	09/28/2023	-	75.1 %	out of st
Thin	LENO	ThinkF	09/28/2023	-	75.1 %	out of st
HP P	HP	HP Pr	09/28/2023	-	75.1 %	out of st
Dell	DELL	Dell L	09/28/2023	-	75.1 %	out of st
HP E	HP	HP Eli	09/27/2023	-	75.2 %	out of st

1-50 of 1942

< < > >

Device Policy simulator

Alpha

← Previous

1 Select policy 2 Select category Sim

Select a new policy to simulate

↔ Extend devices lifespan

⚙ Repair retired devices

🔄 Renew with refurbished

👤 Enroll BYOD

👤 Provide COPE

Extend devices lifespan

💡 Avoiding purchase of new material by better using current devices, through better management (repair, stronger material...) & a sober renew policy

← Previous

Next →

RECOMMENDATIONS

5 levers

Devices Recommendations

Recommended efficiency levers 5

Extend employees material lifespan

-2.1 ktCO₂eq/year

▶ Simulate

🔗 Explore

Opt for refurbished when renewing employees' devices

-42.8 tCO₂eq/year

▶ Simulate

🔗 Explore

Increase the share of 'BYOD' / 'COPE' devices

Not estimated

▶ Simulate

🔗 Explore

Reincorporate and repair retired devices

Not estimated

▶ Simulate

🔗 Explore

Device Policy simulator

Alpha

[Methodology](#)

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1

Select policy

2

Select category

3

Simulation settings

4

Repairs settings

5

Create action

Create your action

Carbon reduction

– 179.2 tCO₂e

♥ 12%

Compared to yearly assets impact

Cost reduction

– 1,059,435 €

♥ 13.5%

Compared to yearly assets budget

[← Previous](#)[+ Add to plan](#)

What the extra years are worth

12 % of the fleet's impact

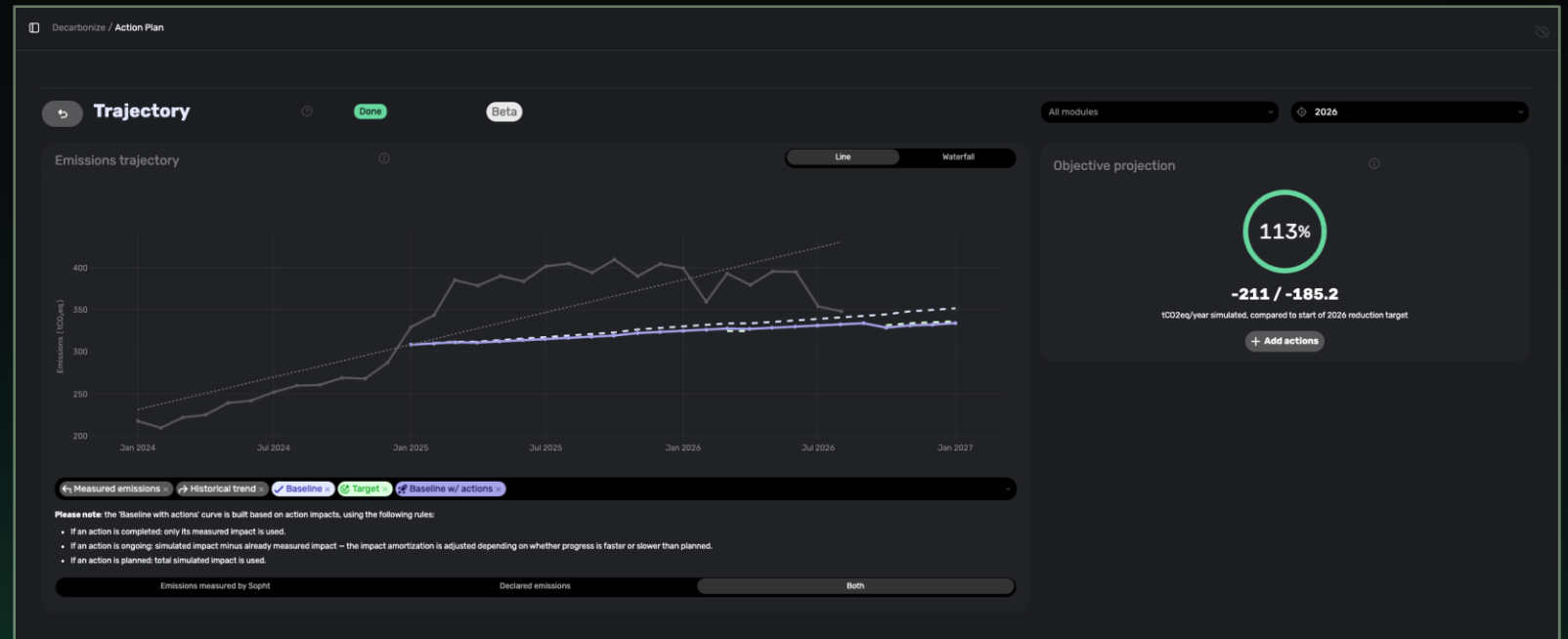
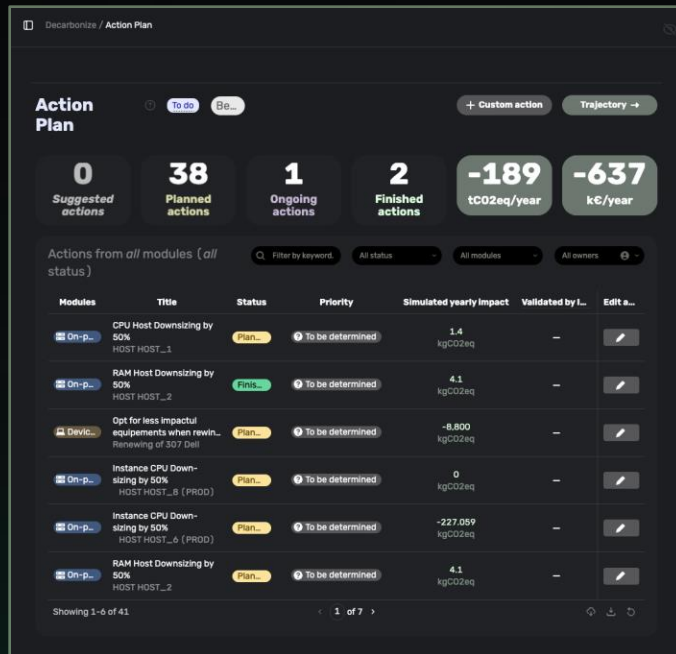
–1,059,435 €, 13.5 % of the yearly asset budget

Repairs are in the model

Keeping machines longer means some will need fixing. Step 4 sets that assumption, and its cost is netted against the saving.

Measured, then managed

Every recommendation, from any part of the estate, becomes a tracked action. The trajectory then shows whether it's delivering: simulated until an action is done, measured once it is.



One platform, many jobs

cloud

Found the waste

applications

**Identified what was safe to
change**

devices

Kept kit longer