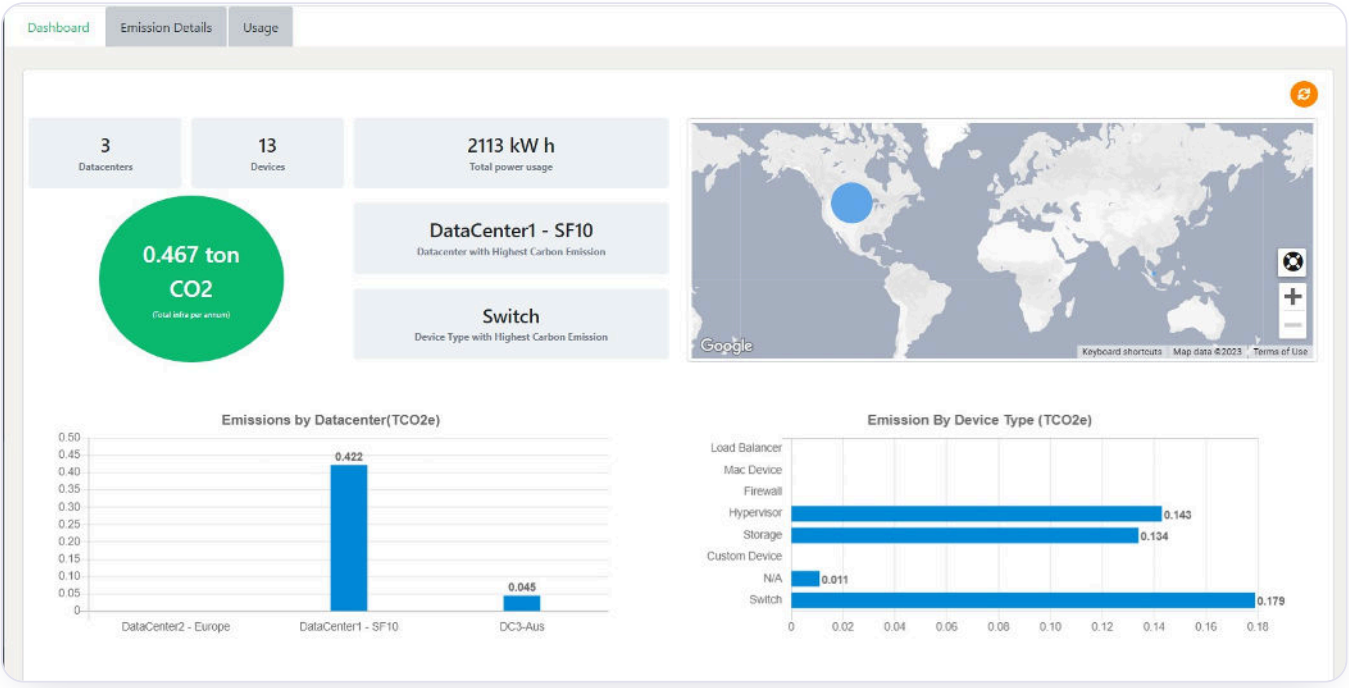
CERNE™ GREENOPS BY UNITYONE AI

Cut your IT carbon footprint without cutting performance

UnityOne GreenOps measures the carbon impact of your data centers, clouds and devices, tells you what to change, and proves the result, so sustainability becomes part of everyday IT decisions.



Live view of data center emissions, power use and the biggest sources of carbon.

15–40%
Reduction in carbon footprint
Published DCIM impact range.

~15–20%
Lower energy consumption
Tier III colocation case study.

Scope 1–3
Emissions accounting
Attributed down to the workload.

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WHY IT MATTERS

IT emissions are growing, and so is the pressure to report them

Data centers, cloud services, AI workloads and thousands of devices all use energy. Most organizations only see the total once a year, long after the decisions that created it.

Without GreenOps

- Emissions reported once a year, not managed
- Data center, cloud and device data in separate tools
- Changes that save carbon but raise cost or risk
- Reports that are hard to trace or audit

With UnityOne GreenOps

- Live emissions across the whole estate
- One view of data center, cloud and devices
- Recommendations that balance carbon, cost and performance
- Audit trails and reports ready for ESG

Three steps: measure, optimize, govern

MEASURE

Account for every layer

Energy, PUE, carbon intensity and Scope 1, 2 and 3, attributed to the workload.

OPTIMIZE

Cut waste and emissions

Rightsizing, GPU efficiency, storage lifecycle and workload relocation, tested first.

GOVERN

Prove it

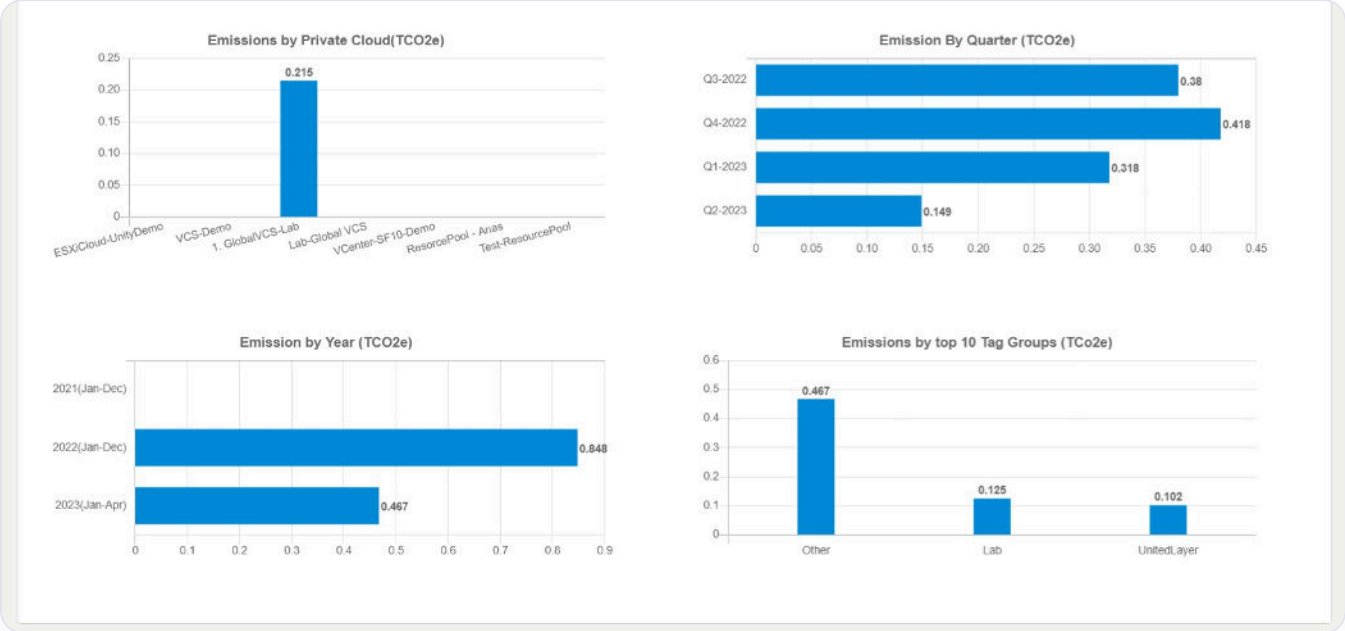
Budgets and targets, policy-as-code, approvals, audit trails and reporting.

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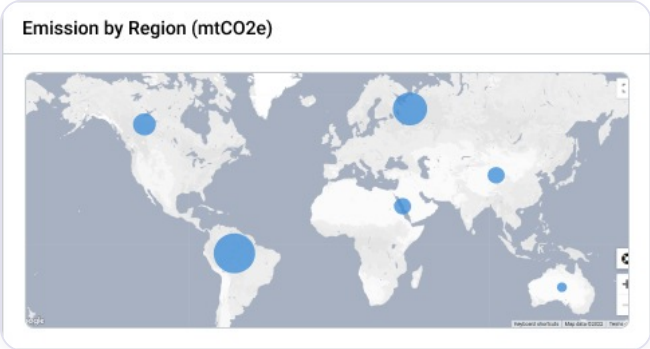
SEE YOUR FOOTPRINT

Every site, cloud and device in one view

See emissions by data center, private cloud and public cloud, then drill into regions, device types and your own tags.



Emissions by private cloud, quarter, year and tag group.



Emissions by region.

Find the biggest sources
Sites and device types ranked by emissions.

Track progress
Trends by year and quarter.

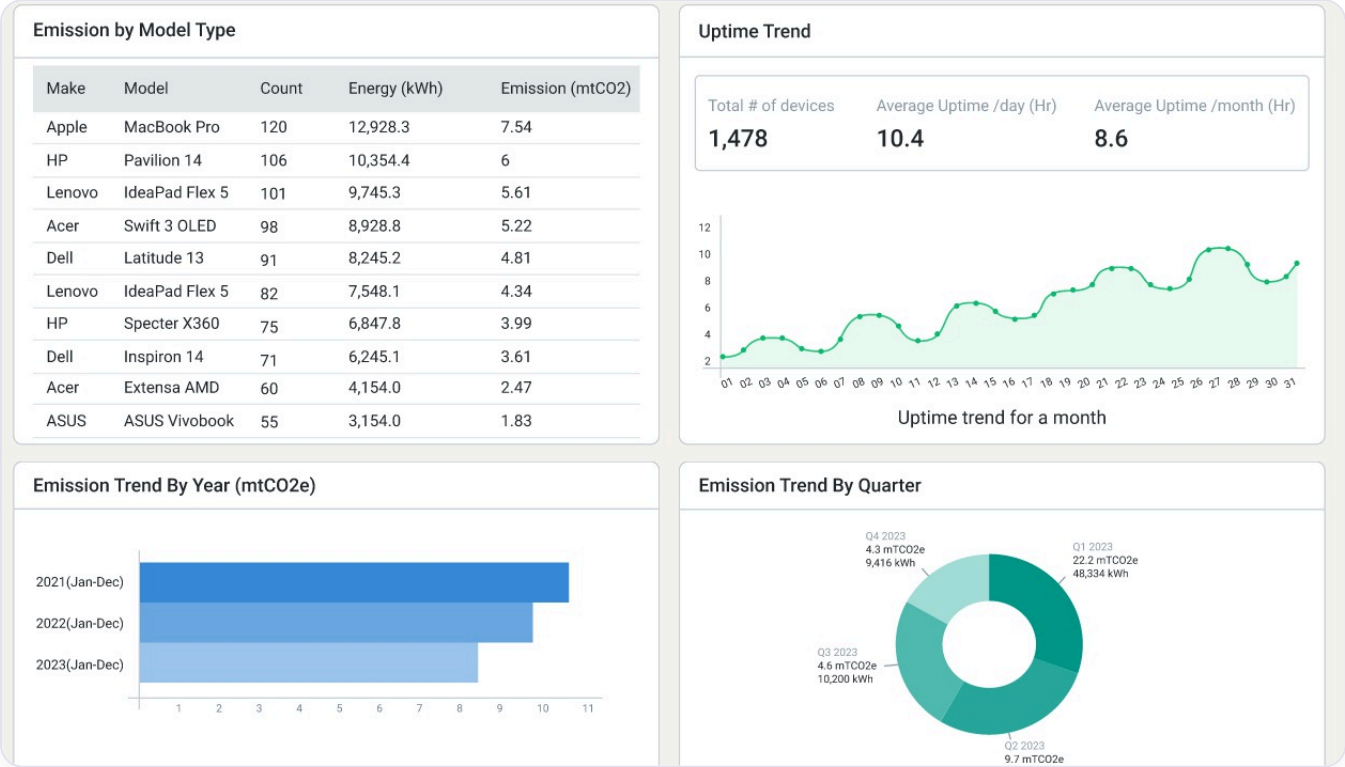
Use your own groupings
Teams, services and departments as tags.

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INCLUDE EVERY DEVICE

Laptops and desktops count too

End-user devices are a large part of the IT footprint. GreenOps shows energy and emissions by model, operating system, manufacturer and department.



End-user device emissions by model, uptime and year.



Emissions by department.

Smarter refresh
Choose efficient models when replacing devices.

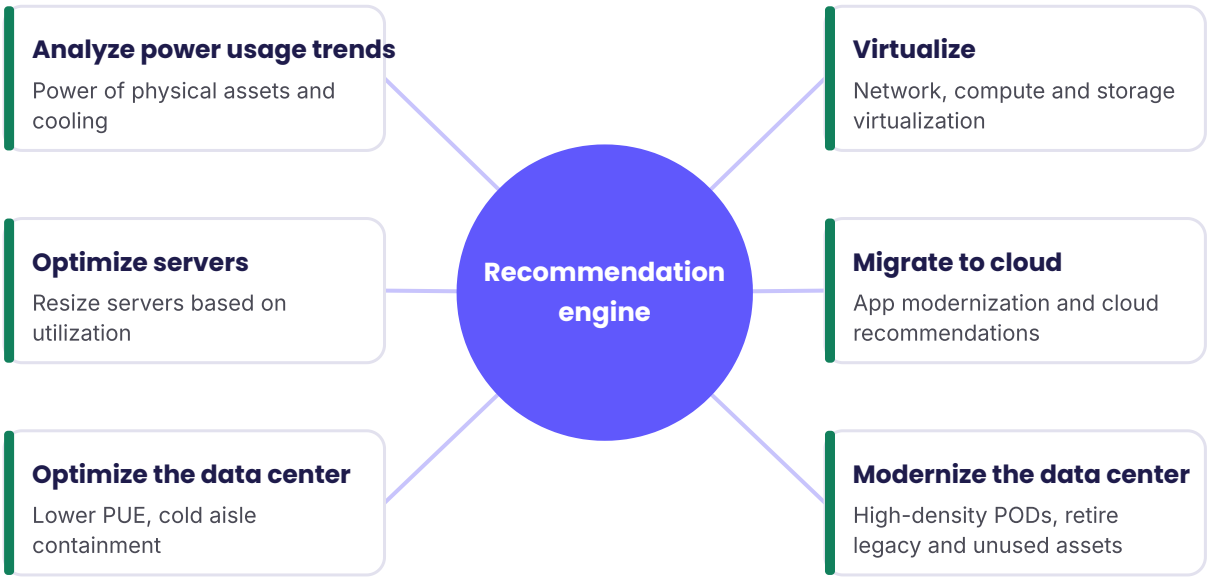
Team accountability
Each department sees its own footprint.

Less idle time
Uptime trends show devices left running.

KNOW WHAT TO CHANGE

Recommendations you can trust

The recommendation engine weighs carbon against cost, performance and data sovereignty, explains the expected impact before you act, and measures the real result afterwards.



Impact before action
Every recommendation explains its projected effect.

Proven savings
Realized results are measured and fed back.

No trade-off surprises
Cost and performance checked up front.

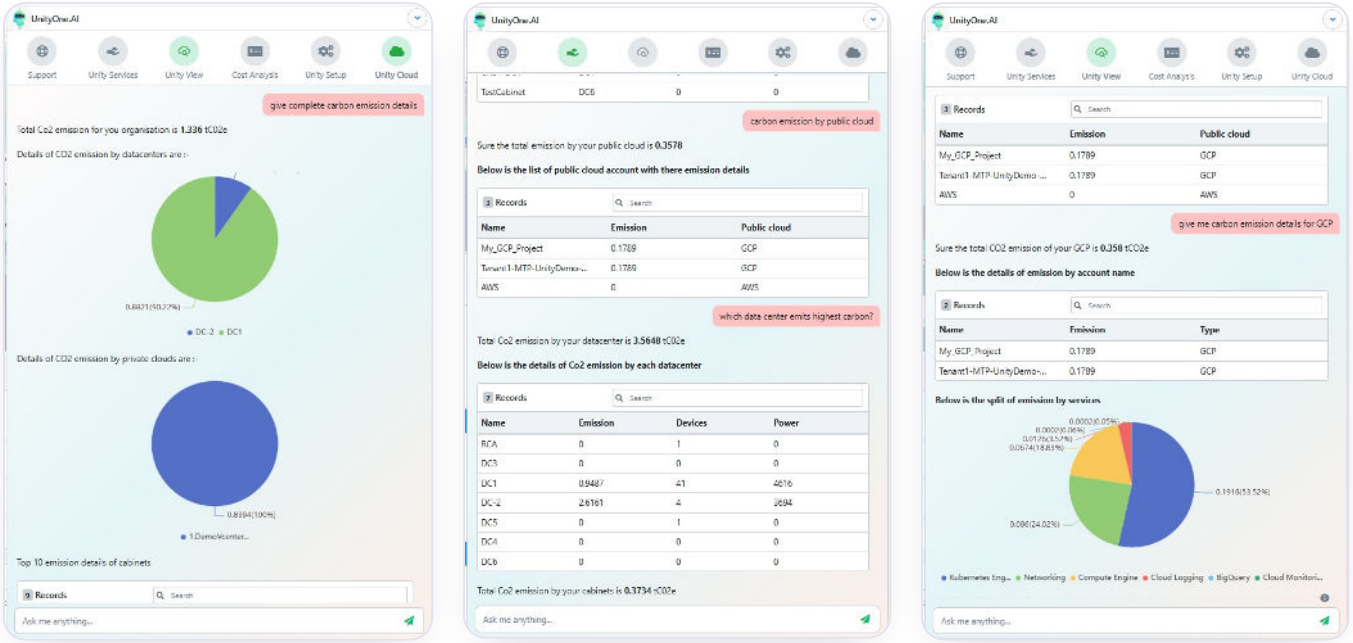
One model for everything
Data center, cloud and AI workloads.

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ASK IN PLAIN ENGLISH

An AI assistant for sustainability questions

Leaders and auditors can ask questions such as “Which data center emits the most carbon?” and get an answer with charts in seconds.



The UnityOne AI assistant answering carbon questions.

WHO BENEFITS

Built for everyone accountable for IT carbon

SUSTAINABILITY & ESG

Trusted numbers

Scope 1, 2 and 3 data traced to assets, with reports ready for disclosure.

IT & CLOUD OPERATIONS

Clear actions

Recommendations that cut waste without hurting performance.

FACILITIES

Efficient sites

Power, PUE and cooling insight for every data center.

IT LEADERS & FINANCE

Lower cost and risk

Energy savings and governed change, with an audit trail.

Getting started is simple

STEP 1

Explore

Try GreenOps in the UnityOne AI Playground.

STEP 2

Measure

Connect one site and one cloud and see your baseline.

STEP 3

Reduce

Act on recommendations and track the results.

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CUSTOMER STORY

An AI research enterprise improves GPU utilization and cuts avoidable energy use

The challenge

- GPU capacity distributed across on-premises, private and public cloud
- Energy-intensive workloads that were hard to optimize
- No workload-level view of utilization, power, cost, carbon intensity and criticality
- Risk of affecting priority AI workloads when reducing waste

The solution

- Unified GPU utilization, power, workload, cost and carbon telemetry
- Classified workloads by priority, flexibility, deadlines and resource demand
- Identified idle, underutilized and oversized GPU allocations
- Recommended carbon-aware scheduling, right-sizing, pooling and reclamation
- Applied policy controls, approvals, rollback and audit trails to every action

Impact achieved

- Improved GPU utilization and capacity for priority workloads
- Reduced avoidable energy consumption and carbon exposure
- Balanced carbon, cost, capacity and performance in workload decisions
- Governed optimization across data center, cloud and Kubernetes AI environments

As published on unityone.ai. The case study does not publish percentage results.

GET STARTED

See Cerne™ GreenOps in action

Explore the platform hands-on in the UnityOne AI Playground, or talk to our team about measuring and reducing the carbon impact of your hybrid estate.

Enter Playground | Contact Us

Email: contact@unityone.ai · Playground: cerne.unityone.ai · Sales: unityone.ai/contact-us

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