

CERNE™ DCIM VALUE REPORT

The business value of AI-powered DCIM

What changes, and what it is worth, when you replace spreadsheets and siloed tools with one live view of your data center and an AI coworker that acts within your rules.

~40%

More usable capacity

Unlock stranded rack space and power.

15–40%

Lower carbon footprint

Monitor and optimize energy consumed.

20–30%

Faster time to resolution

Correlated alerts and AI-assisted root cause.

40–60%

Less manual overhead

~90% of routine operations automated.

In this report

1 · Where the value comes from

2 · Proof from a Tier III colocation operator

3 · Worked example: a 200-rack data center

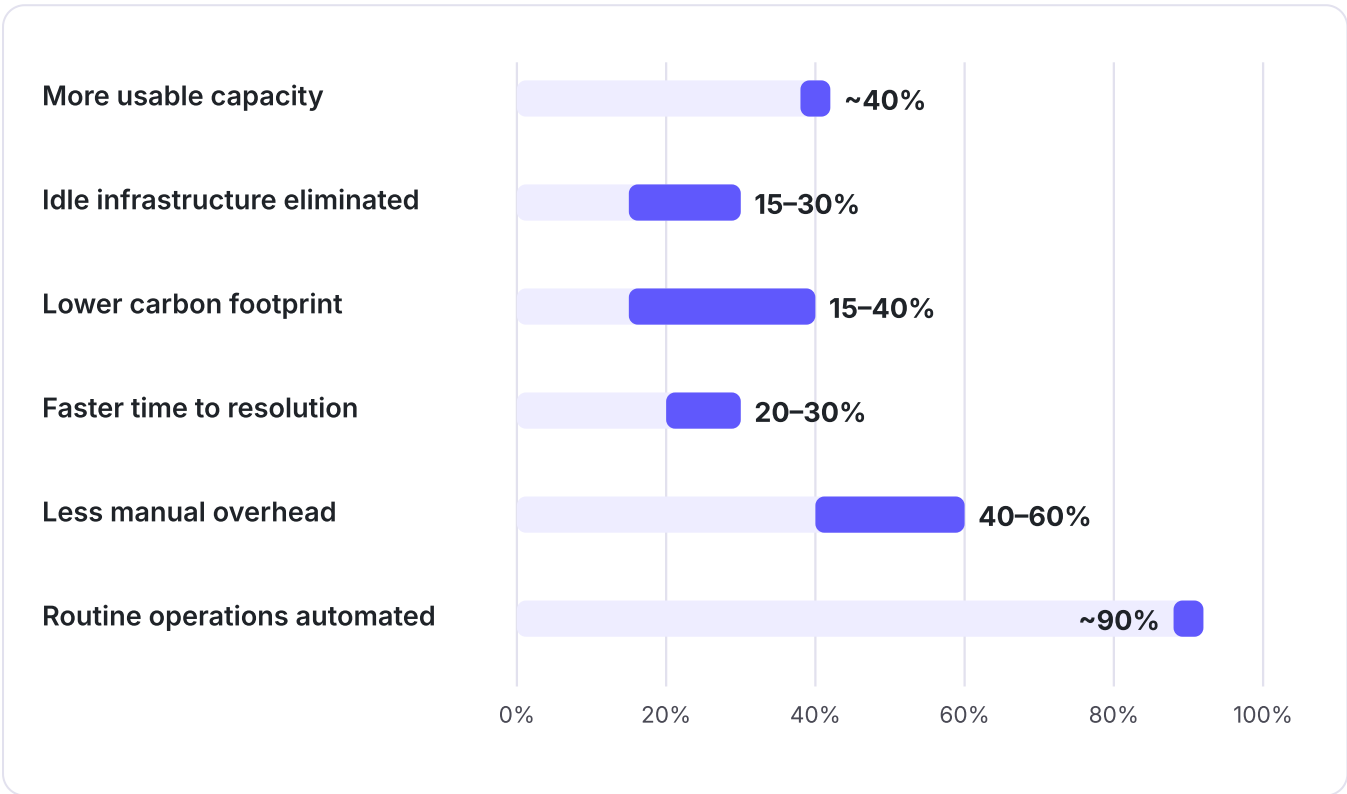
4 · Value beyond the numbers

Percentages are UnityOne AI published DCIM figures from unityone.ai. The worked example on pages 4–5 is a model built on stated assumptions, not a quote or guarantee.

1 · WHERE THE VALUE COMES FROM

Four sources of value

Published improvement ranges for Cerne™ DCIM. The dark bar shows each range; the light bar runs from zero.



Capacity
Live space, power and cooling per cabinet reveals stranded capacity, so you defer build or lease.

Energy & carbon
Outlet-level power, heatmaps and a carbon reduction engine cut energy and emissions.

Operations
Correlated alerts, topology and AI root cause shorten every incident.

Productivity
Policies, workflows and AI agents take on routine work, with approvals.

2 · PROOF

A Tier III colocation operator recovers ~40% of stranded capacity

The challenge

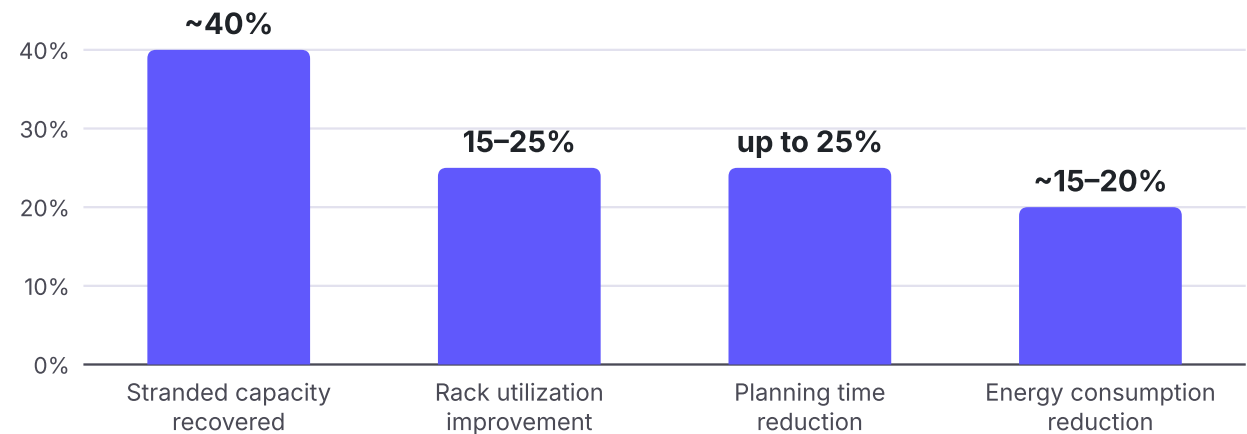
The operator couldn't tell how much usable capacity was left. Manual records and siloed power data hid rack space, outlet-level use and cooling headroom, risking unnecessary capex.

The solution

Agentless discovery and outlet-level power monitoring gave a live view of every rack. Scenario planning tested new deployments against real space, power and cooling.

Results achieved

Upper end of each published range shown.



The biggest win: capital avoided

By using existing space, power and cooling more effectively, the operator deferred multi-million-dollar build or lease spend.

Results as published on unityone.ai. Results vary by environment.

3 · WORKED EXAMPLE

What DCIM could be worth for a 200-rack data center

A transparent model. Each input is either a published UnityOne figure or a stated assumption you can replace with your own.

Input	Value used	Result
Site size	200 racks at 6 kW design capacity	1,200 kW IT capacity
Stranded capacity today	25% of design capacity (assumption)	300 kW
Capacity recovered	~40% of stranded (case study)	120 kW ≈ 20 racks
Cost of new capacity	\$10M per MW to build or lease (assumption)	
Average IT load	60% of capacity, PUE 1.5 (assumptions)	9.46 GWh/yr facility
Energy price	\$0.12 per kWh (assumption)	\$1.14M per year
Energy reduction	15–20% (case study)	
Operations team	6 FTE at \$120K loaded cost, 50% on manual tasks (assumptions)	\$360K manual work/yr
Manual work reduction	40–60% (published)	
Grid carbon factor	0.4 kg CO ₂ per kWh (assumption)	

\$1.20M

Capital spend avoided

120 kW recovered at \$10M per MW, one time.

**\$314K–
\$443K**

Annual operating savings

Energy plus manual labor time.

568–757 t

CO₂ avoided per year

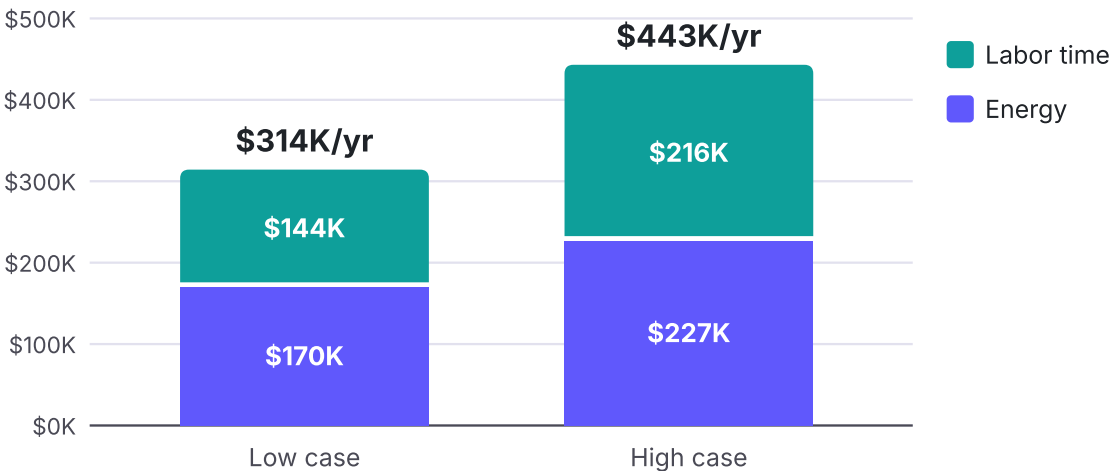
From 15–20% lower energy use.

3 · WORKED EXAMPLE, CONTINUED

Annual savings and three-year value

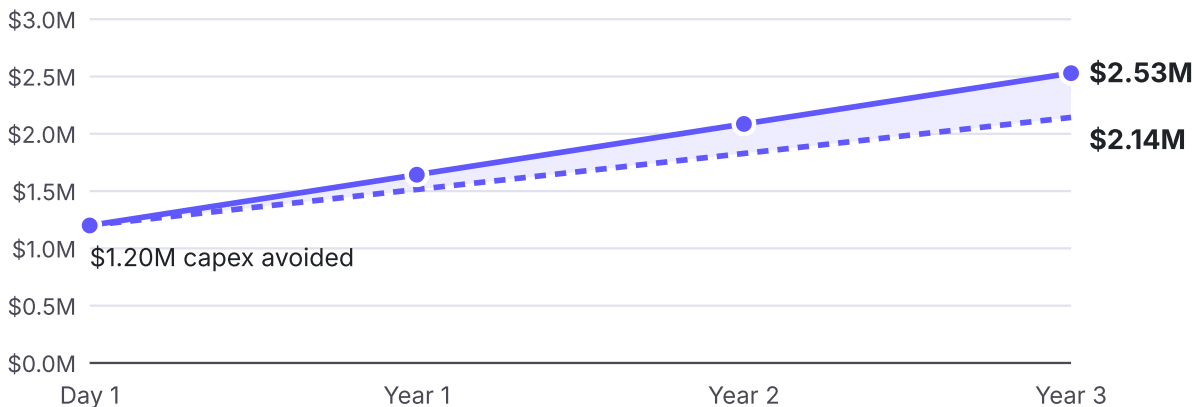
Annual operating savings

Energy: 15–20% of \$1.14M. Labor: 40–60% of \$360K manual work.



Cumulative value over three years

Capital avoided on day 1, plus annual savings. Solid line: high case. Dashed line: low case.



Three-year value: \$2.14M to \$2.53M, before subscription cost. Your own figures will differ. Replace the assumptions on page 4 with your data, or ask our team to model your site.

4 · VALUE BEYOND THE NUMBERS

What teams gain that a spreadsheet can't show

<div style="margin-bottom: 10px;">  Lower risk of outages Hot spots, configuration drift and capacity limits are caught early. </div> <div style="margin-bottom: 10px;">  Credible ESG reporting Energy and emissions per cabinet, site and year. </div> <div>  Expertise on demand Anyone can ask the AI coworker, whatever their experience. </div>	<div style="margin-bottom: 10px;">  Audit-ready governance RBAC, approvals and a full record of every change. </div> <div style="margin-bottom: 10px;">  One source of truth IT, facilities, cloud and finance work from the same data. </div> <div>  Fewer tools One platform for discovery, monitoring, automation and AI. </div>
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Build your own business case

Gather these inputs and our team will model your value with you:

- | | |
|--|---|
| <ul style="list-style-type: none"> ✓ Number of racks and design kW per rack ✓ Current utilization and known stranded capacity ✓ Cost to build or lease new capacity | <ul style="list-style-type: none"> ✓ Energy price, PUE and grid carbon factor ✓ Operations headcount and time on manual tasks ✓ Number of sites, clouds and tools in use |
|--|---|

GET STARTED

Model the value for your data center

Explore DCIM hands-on in the UnityOne AI Playground, or ask our team to build a value model for your sites.

▶ Enter Playground

✉ Contact Us

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