VERDIGRIS

The Future of Energy Management

for Data Centers

About Verdigris

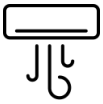
Verdigris is the leader in cloud-based, AI-powered energy data, helping data centers optimize energy usage with highly accurate, real-time insights across their entire infrastructure. Founded 13 years ago to solve energy challenges that traditional methods couldn't, we've now grown into the leading power data tool for the Data Center's business planning needs.

Legacy monitoring systems are up to 50% inaccurate when used for capacity planning and can't provide real-time, circuit-level insights across multiple facilities. Verdigris fills this gap with AI-powered solutions that deliver the accuracy and visibility data centers need to optimize performance and reduce costs.

How Are You Tackling Your Power Monitoring Challenges?

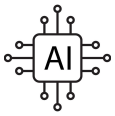
Stranded Capacity

- $10M–$15M in wasted construction expenses for each stranded MW
- Up to $1M lost revenue per MW of unused contracted power



Inefficient Systems

- Cooling systems set for worst-case scenarios waste up to 35% energy
- Chronically over-cooled environments divert potential power from servers



AI & GPU Expansion Risks

- Transfer of GPU loads during failures is more difficult than with CPUs
- GPUs are much more sensitive to power quality than CPUs

Real vs. Designed PUE

- Need to track PUE at rack, room, and facility levels in real time
- PUE shortcomings affect lease agreements and revenue

Power & Equipment Forensics

- Limited visibility into causes of power and equipment failures
- Need to detect server / equipment failures before they happen

Dynamic Power Chain Visibility

- Lack of real-time tracking for equipment on each circuit
- Inability to reliably plan expansions or track power usage across facilities

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Delivering Proven ROI for Data Centers

Find and Utilize Stranded Capacity

Stranded capacity means unrealized potential revenue and unnecessary building costs. For one customer, each megawatt of stranded capacity discovered was equivalent to $12M in avoided building costs, and utilizing an additional 1MW of capacity would yield $750k in additional revenue immediately.

Capital Project ROI

$30k / MW
for Verdigris installation

$2.4M / MW
in avoided costs

7900% ROI
on initial investment

SaaS ROI

Increased revenue and avoided costs = 4x Verdigris annual SaaS fees

400% Annual ROI
on SaaS investment

Maintain a Digital Twin of Your Power Chain

Annual power audits are critical for maintaining accurate circuit-level data and ensuring reliable power management in data centers. A 10MW facility typically spends $150K per year on manual audits to track power usage and prevent overloading circuits.

Capital Project ROI

$50k / MW
for Verdigris installation

$150k / MW
in avoided audit costs in year 1

200% ROI
on initial investment

SaaS ROI

Avoided costs = 15x Verdigris annual SaaS fees

1400% Annual ROI
on SaaS investment

Optimize Cooling in Real-Time to Improve PUE

A 220,000 sq ft New York City data center needed to improve their power usage effectiveness (PUE) and reduce energy consumption to improve operational efficiency. In addition, the customer faced significant financial risk due to Local Law 97, which penalizes high energy consumption.

Annual Savings

$21k / year
in avoided penalties

$24k / year
in energy cost savings

7.8% PUE reduction
with improved HVAC consumption

Project ROI

$153k
initial investment

$111k
utility incentive

116% ROI
with 10 month payback