

infinitAIZEN

Customer Story

Data center operations

Cooling that Anticipates Load

A data center operator cut cooling energy use by 20% and chiller-related downtime by 30%. InfinitAIZEN predicts demand and degradation on live telemetry, then acts only inside the limits its engineers set.

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Results

20%
Energy savings

5X
Faster detection

30%
Less downtime

The Goal

Cooling runs as efficiently as the load allows, and early signs of chiller degradation are caught while they are still maintenance items, not outages.
Facilities engineers stay in control of how far automation can go.

Why InfinitAIZEN

From signal to action
InfinitAIZEN closes the loop from a live signal to a governed action instead of stopping at a dashboard.

Predictions that hold up live
Foresight computes features the same way for training and live serving, so models stay accurate on real-time telemetry.

Engineers set the envelope
Operating limits are enforced as deterministic rules. The AI works inside them.

At a Glance

INDUSTRY
Data center operations

InfinitAIZEN PRODUCTS
Orchestrate + Foresight

SYSTEMS
Chiller and facility telemetry

DEPLOYMENT
Customer managed environment

Methods Used

- Foresight ML
- Rules
- Human gate
- Audit

How It Works

01 **Ingest**
Chiller and facility telemetry stream in real time alongside historical data.
Foresight ML

Foresight ML
Predict **02**
Models learn each chiller's normal behavior, anticipate cooling demand and detect efficiency degradation early.

03 **Check**
Orchestrate evaluates every recommendation against the operating limits and maintenance policies defined by the facilities team.
Rules

Human Gate
Act **04**
Recommendations inside the approved envelope proceed through the workflow. Anything outside it pauses for a facilities engineer.

05 **Check**
Each prediction, rule check and action is logged with the model version that produced it.
Audit

Want to find your Agentic AI maturity and gaps?

Take Sify's Agentic AI Assessment

10 questions, five minutes, see where your organization stands, identify your readiness and get practical next steps.

Know More



Build. Run. Govern.
AI at scale.

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