



AI HVAC OPTIMIZATION FOR COMMERCIAL BUILDINGS

Reduce HVAC Energy Costs Without Replacing Your BAS

ClimaMind™ adds an AI optimization layer on top of existing BAS/BMS systems, helping operators deliver measurable HVAC energy savings without replacing control infrastructure.

Measured HVAC savings. No rip-and-replace. Clear pilot path.

10%-20%

Validated against historical baselines or A/B control periods.

No rip-and-replace

Works on top of existing BAS and BMS infrastructure already trusted by operators.

Advisory to auto

Starts in advisory mode and moves into automated optimization only after site validation.

What We Solve

Commercial buildings still waste HVAC energy because most plants rely on static rules that cannot keep up with changing weather and load.

Owners want measurable savings without rebuilding the control stack or increasing operational risk.

How ClimaMind Works

ClimaMind™ adds an AI optimization layer on top of existing BAS and BMS infrastructure, so site teams keep the system they already trust.

No rip-and-replace. No hardware rebuild. No system override. No downtime.

Operates within existing BAS and BMS safety boundaries.

Our reinforcement learning engine tunes setpoints inside site-defined safety boundaries while native controls remain responsible for protection logic.

Why Owners and Partners Care

10%-20% energy savings in mature deployments, with an operator-friendly rollout that starts in advisory mode before moving into automated optimization.

Layered guardrails, full transparency, and instant fallback keep manual override remains intact throughout the engagement.

Where It Fits Best

Commercial buildings, facility teams, and local contractors looking for a measured pilot without replacing the existing control stack.

Especially effective when the owner wants clear savings validation and a low-friction path to deployment.

Pilot Deployment Path

1. Feasibility review: confirm BAS data, controllable points, and operational constraints.
2. Pilot scope: define savings target, safety envelope, and site responsibilities.
3. Measured validation: verify results against a historical baseline or controlled alternating-day comparison.

Proof and Trust

Savings are validated using transparent baseline modeling or controlled A/B comparisons.

The control approach is informed by prior validation in complex HVAC environments before U.S. pilot deployment.

All calculations can be reviewed with the customer, and site teams can return to native control mode at any time.

PILOT CONTACT

Chuan He

Chuan He | Founder | ClimaMind™

AI Energy Intelligence for Buildings

+1 765-586-6347 | hechuan@climamind.ai | <https://climamind.ai>