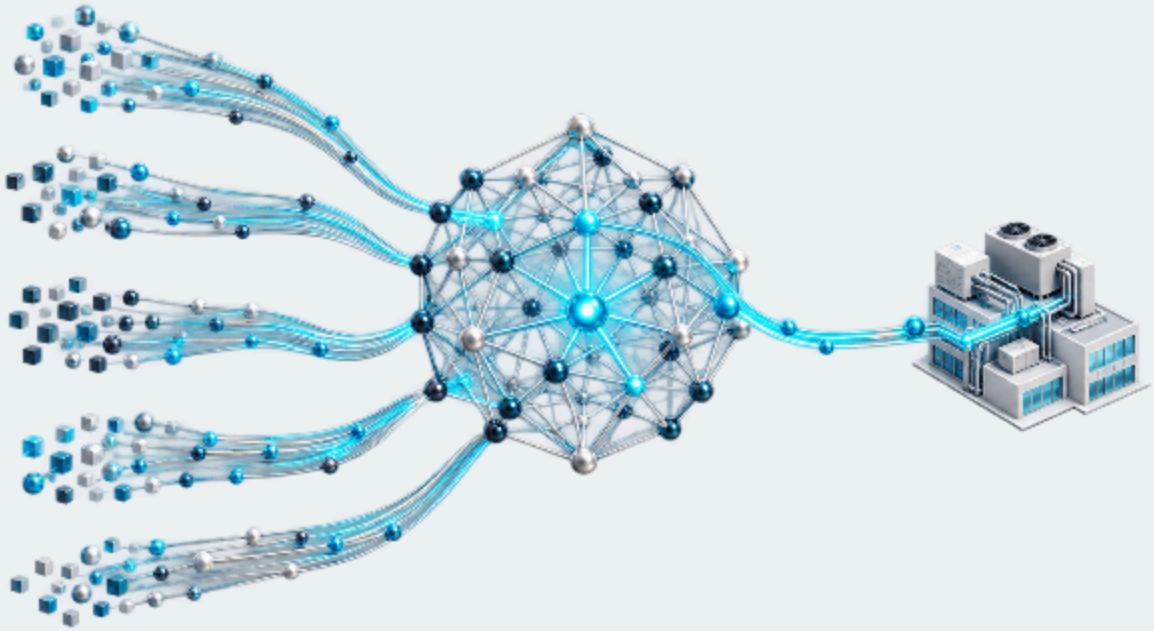
# AI that improves how buildings run

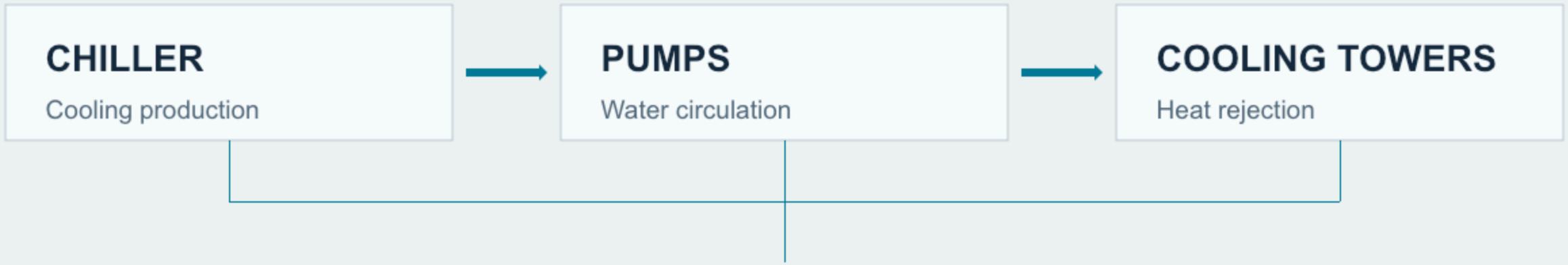
Better operating decisions.
Within your approved limits.



Connected to your existing BMS

# One plant. Several operating decisions.

Changing load and weather affect the whole system




## A shared objective

**Lower total plant energy use within operating requirements**

ClimaMind evaluates coordinated targets as conditions change.

# What ClimaMind does with your data

Example scope: condenser-water pumps and cooling-tower fans

01

## Read

BMS trends, metering and operating context

02

## Evaluate

Pump and fan frequency targets

03

## Apply

BMS executes targets in the approved scope

04

## Measure

Plant response informs the next evaluation

Site-specific targets

Operating limits constrain the evaluation

# Why ClimaMind can reduce energy use

Savings come from better operating choices as conditions change

## The opportunity

Fixed targets or separate control loops can leave the plant away from its lowest-energy operating point.

## What the AI changes

Adjusts pump and fan targets to load and weather. Measured response informs the next decision.

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## Example: cooling-tower fan speed

More fan power can lower condenser-water temperature and reduce chiller power.

**The objective is lower TOTAL power: chillers + pumps + towers**

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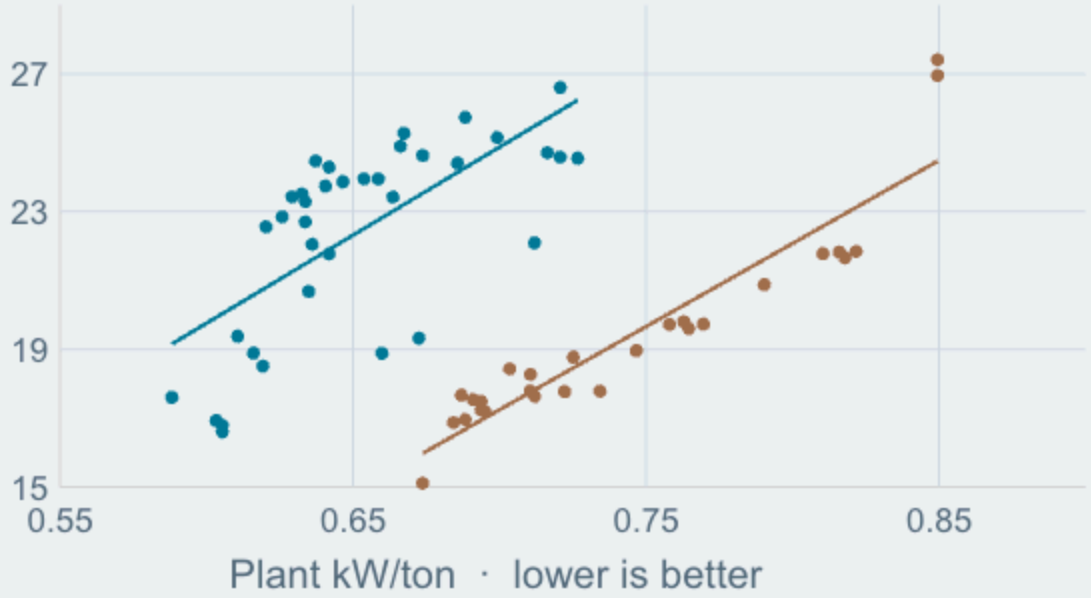
# Pharma case: daily performance across weather

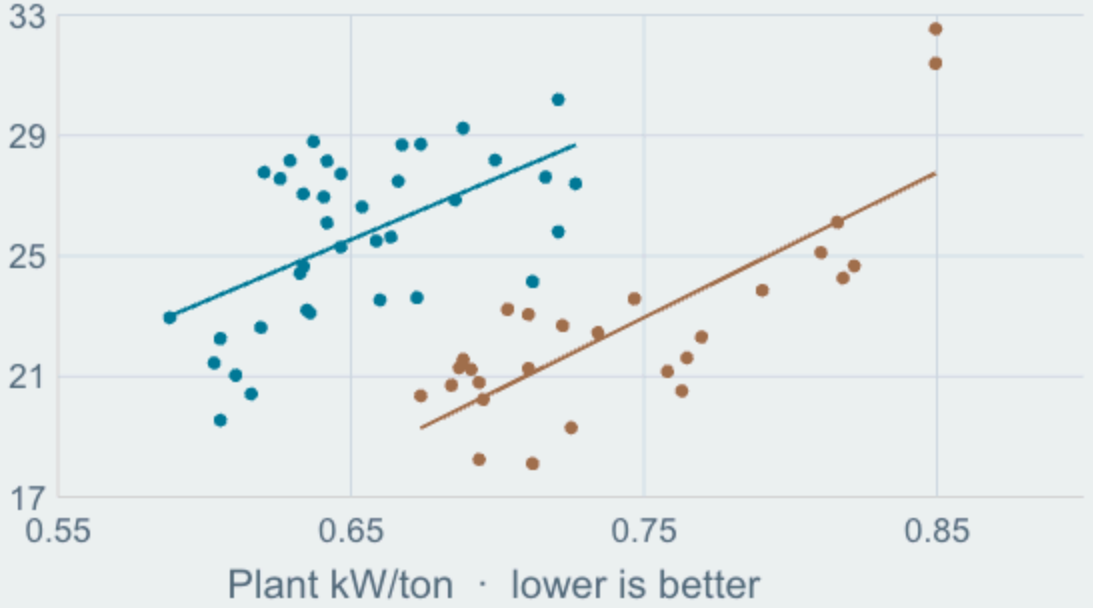
27 baseline days and 37 AI days, shown individually with fitted trends

Baseline AI operation

**Wet-bulb temperature (°C)**




**Dry-bulb temperature (°C)**

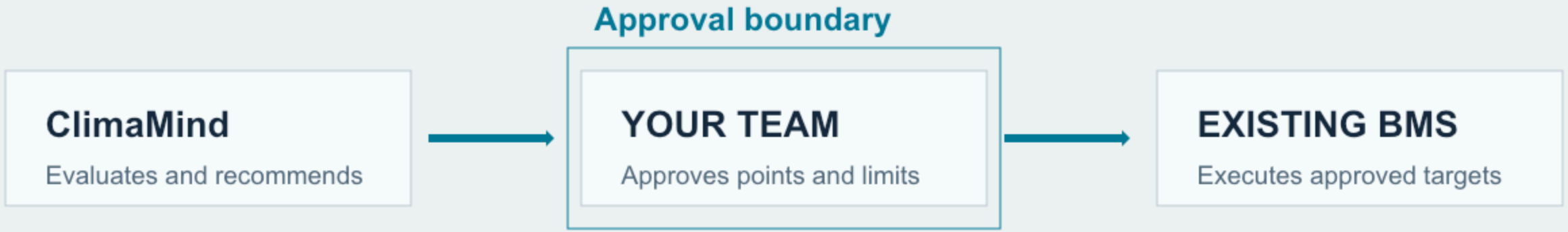



Each dot is one day. Read horizontally: at the same temperature, left means less energy per ton.

AI trends sit left of baseline trends. Weather-only fits do not isolate load, hours or other changes.

# Your team authorizes every control scope

Advisory comes first. Automated writes require separate approval.




## Before automation

Agree fallback and responsibilities.
Validate operating limits and action records.

Existing BMS safeties and operator override remain

# Your first site starts with available data

One BMS-controlled chilled-water plant with usable energy measurement

**01 / FIT**

## Share available exports

Trends, metering and equipment information

Candidate scope + data gaps

**02 / ADVISORY**

## Review the proposal

Operating limits and measurement approach

Approve scope or stop

**03 / PILOT**

## Evaluate the result

Authorized operation with ongoing site review

Expand, revise or stop

# Value depends on agreed measurement

A clear baseline makes results and fees easier to assess

## MEASURE THE RESULT

### Energy

Boundary, baseline, weather, load and hours

### Operating performance

Comfort, process needs and equipment limits

## AGREE THE COMMERCIAL MODEL

### Performance-based

Qualified sites. Fees linked to agreed, measured and verified savings.

### Subscription

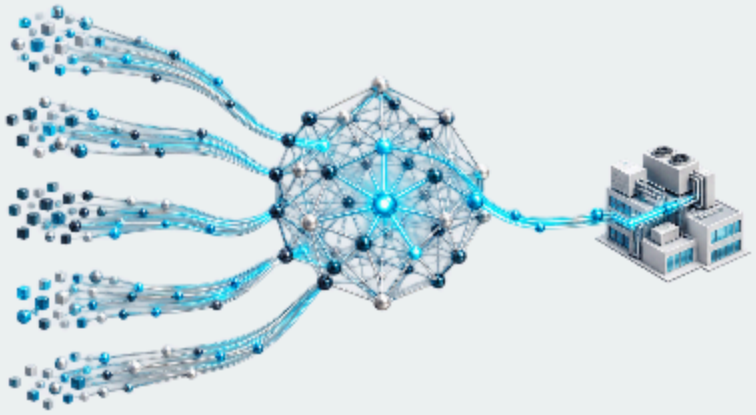
Annual fee for a defined scope and measurement method.

**Compare measured energy value with fees and site effort**

# One plant. One operations contact.

## For the first review

**Available trend exports and equipment information**



## You leave with

A candidate scope, data gaps and a proceed-or-stop decision

**info@climamind.ai**

# Appendix / Responsibilities by stage

| Stage | Your team | ClimaMind | Decision |
|---|---|---|---|
| **Fit** | Share trends, equipment and metering information | Review data and propose scope | **Proceed or close gaps** |
| **Advisory** | Review recommendations and operating limits | Prepare a bounded pilot proposal | **Approve scope or stop** |
| **Pilot** | Authorize scope and review operations | Apply approved scope and evaluate results | **Expand, revise or stop** |

Timing, access and effort follow the initial review

# Appendix / Site and control checklist

## Data readiness

Plant configuration and equipment
BMS trends and point lists
Metering boundary and available history
Operating sequences and constraints

## Control readiness

Approved write points and limits
Fallback and operator override
Action records and responsibilities
Baseline and review method

The site review determines what is ready and what needs work