



Revolutionizing the Way Buildings Breathe

The Challenge – Inefficient Air Management



Outdated ventilation strategies are costly and ineffective



Traditional HVAC systems operate at fixed rates, causing:

- Unnecessary energy consumption & high operational costs
- Compromised indoor air quality (IAQ) and occupant health
- Inefficient heating & cooling, leading to discomfort



Buildings need a data-driven, adaptive solution to optimize air management

The Solution – Sol-In’s Smart Air Management



AI-powered real-time monitoring & airflow optimization



Adaptive ventilation, heating, and cooling based on actual occupancy patterns



Seamless IAQ monitoring for enhanced well-being and compliance



Optimized HVAC operations, reducing costs and emissions



Intelligent air management for maximum efficiency and well-being.

Enhancing Building Operations



**Smarter, Healthier,
Sustainable Spaces**

How It Works – AI-Driven Airflow Optimization



Real-time data collection:

Tracks occupancy, IAQ metrics, and environmental conditions



AI-driven analytics:

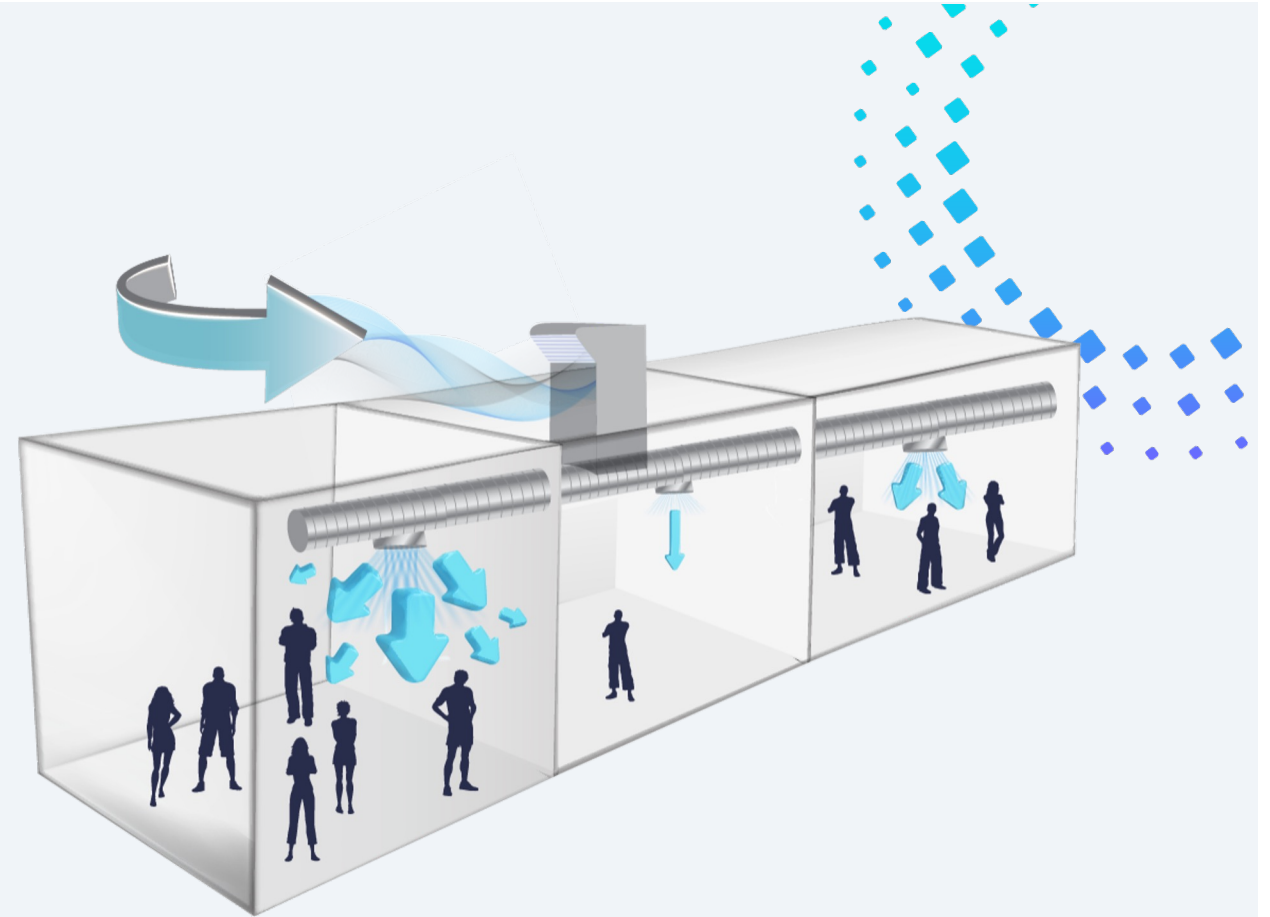
Predicts airflow needs and adapts dynamically



Smart automation:

Optimizes HVAC performance for efficiency & comfort

Sol-In's proprietary algorithms accurately detect occupancy trends, enabling precise, demand-based airflow adjustments.



Demand – Controlled Ventilation (DCV) vs. Conventional CAV



Traditional CAV systems:

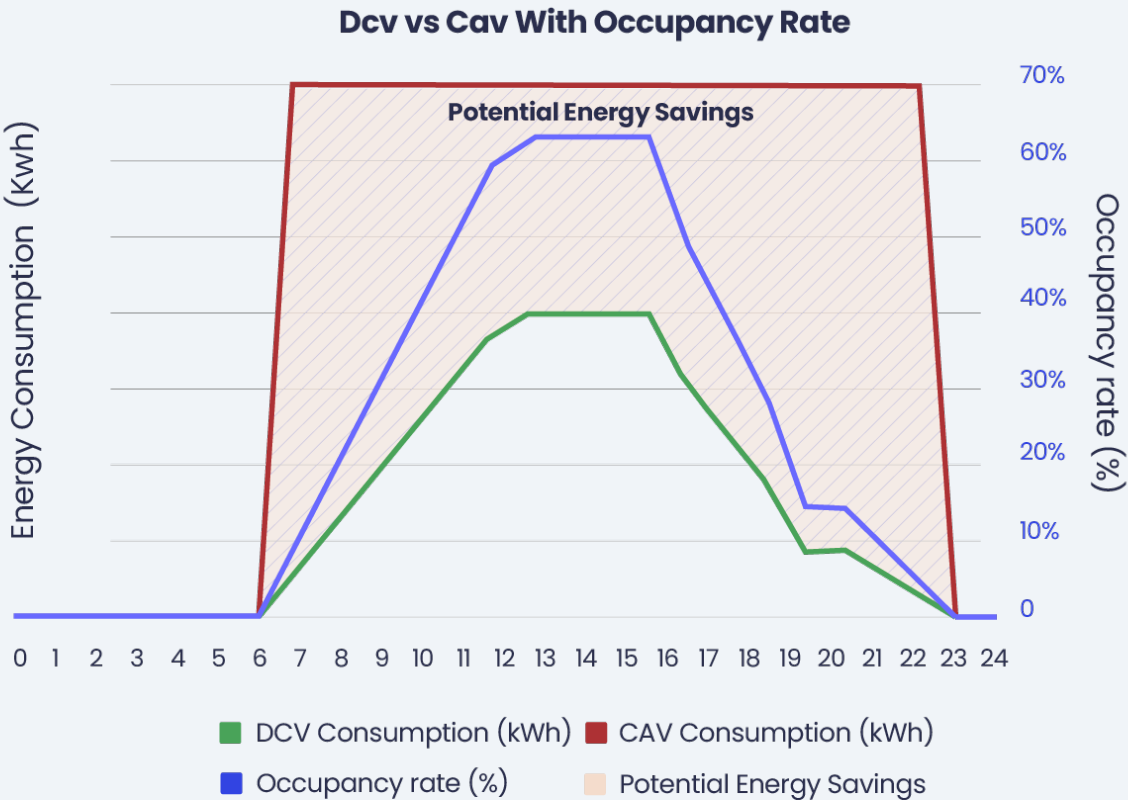
Fixed airflow, excessive energy use, and high costs



Sol-In's DCV system:

AI-driven airflow control for dynamic optimization

Reduces operational expenses, improves air quality, and enhances occupant comfort.



Measurable Benefits

01

Up to 30% Energy Savings

Reduces HVAC energy consumption with intelligent demand-based control.

02

Healthier Indoor Environments

Continuous IAQ monitoring maintains optimal air quality, reducing health risks.

03

Faster ROI & Cost Reduction

Lowers operational expenses and optimizes HVAC efficiency.

04

Sustainability & ESG Compliance

Supports carbon reduction goals and green building initiatives.



Compatibility & Certifications

Certifications

Supports LEED, WELL, RESET – Earns up to 14 LEED points



Compliance

Meets ASHRAE & global IAQ standards



Privacy & Data Security

Fully compliant with global privacy regulations, ensuring secure data handling



System Flexibility

Works as a standalone system or integrates with existing BMS



Sustainability

Reduces carbon footprint and aligns with Net Zero & ESG strategies



Why Choose Sol-In?

Full compliance with global sustainability standards

Proven cost savings and rapid ROI



Exclusive AI-driven occupancy detection & IAQ monitoring

Enhanced air quality and occupant comfort



Contact & Next Steps

 +972 54 336 6707

 lior@sol-in.systems

 www.sol-in.systems

 [LinkedIn](#)

**Let's optimize your building's air management.
Contact us today!**