

Honeywell SmartAir™ Solutions



Precision engineered control strategies to maximise the efficiency of your HVAC systems

Honeywell

The expertise to take your HVAC controls to the next level of efficiency and comfort

What is Honeywell's SmartAir™ Solution?

SmartAir™ is Honeywell's set of proven control strategies and technologies to optimise energy use in Heating Ventilation and Air Conditioning (HVAC) systems.

The solution targets energy use in the air handling systems but can manage the operation of chillers, boilers and cooling towers to optimise energy use across the whole system.

It's ideal for existing buildings that are still running the control strategies they were commissioned with at the completion of construction.

Business Benefits

Honeywell SmartAir™ solutions have cut energy use in the systems they control by up to 50%-85%.

Honeywell has monitored the results of SmartAir™ implementations, capturing more than one million data points to verify the solution's performance. We have found that SmartAir™ delivers more stable air temperatures that other approaches – eliminating sudden changes in temperature and maintaining comfort conditions to greatly reduce occupant complaints.

The approach was developed in Australia and is ideally suited for climate conditions in this region, unlike other approaches developed overseas.

And SmartAir™ is founded on intelligent controls, so it doesn't require expensive upgrades to new cooling hardware.

How we Deliver SmartAir™ Solutions

A Honeywell energy specialist will assess the energy performance of your HVAC system and will select and tailor the most appropriate SmartAir™ strategies to optimise energy use while maintaining comfort.

Honeywell Building Solutions

Regional Head Offices for South East Asia, Pacific, Middle East & Sub Saharan Africa

Australia, North Ryde, NSW, +61 2 9353 7000

India, Pune, +91 20 6603 9400

Middle East, Dubai, United Arab Emirates, +971 4 3244 240

New Zealand, Auckland, +64 623 5050

South East Asia, Singapore, +65 6355 2828

Sub Saharan Africa, Midrand, +27 11695 8000

E-mail: energy.encyciency@honeywell.com

www.honeywell.com



The success of SmartAir™ is based on three key elements:

- More comfort parameters are measured than for traditional approaches and more measurement points are established
- Least cost algorithms are used to select air flow, air temperature and the mix of outside air
- Our skilled and experienced energy specialists tailor the strategies to match the exact needs of your building.

This enables Honeywell's SmartAir™ Solution to match energy use much more closely to the real need – the perceived comfort of occupants and the variations in thermal loads.

When the system design is finalised, our specialists deliver and integrate the necessary hardware and controls required to significantly reduce energy use. We are able to deliver SmartAir™ quickly through the use of modular packages of control algorithms and we take pride in upgrading live sites without disrupting normal operation of the building

We developed SmartAir™ to enable us to provide guaranteed energy savings in our Energy Performance Contracts. This approach has been a strong contributor to the A\$50m of savings we have delivered in this region – so we are confident that we can help you.

To find out more about how we can help, contact our energy team today.

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