



Stay cool and healthier

with the self-learning building intelligence system that optimises thermal comfort, indoor environmental quality and energy efficiency





Green Energy Tech

Control

GET™ Control is a self-learning building intelligence system that utilises AI and IoT to optimise and regulate air-conditioning in buildings, based on changes in occupancy and ambient weather conditions. This innovative system which can connect to any building management system, enhances occupant well-being and thermal comfort, while maximising energy and operational efficiency. SP Digital has partnered 75F, a building intelligence solutions provider, to customise and implement this solution for Singapore's tropical environment.



SMART INSIGHTS
ENERGY EFFICIENCY
OCCUPANT EXPERIENCE
SUSTAINABILITY



Monitoring &
Analysis



Forecasting
AI



Alarms & Fault
Detection AI



Distributed
Energy Resources



IEQ &
Microclimate



EV Charging
Station Network



User
Engagement

**GET™
Insights**

Analyse and optimise utilities
to manage costs and
carbon emissions

**GET™
TenantCare**

Digitalise tenant utilities
and billing to improve efficiency
and revenue assurance

**GET™
Control**

Intelligent IEQ control
system for enhanced
occupant comfort

**GET™
Engaged**

Educate and engage
stakeholders to
advance sustainability

**GET™
Mobility**

Intelligent and reliable
charging station management
for a better EV experience

GET Control is an innovative solution in the SP Digital GET suite.

Designed to enable decarbonisation of the built environment, the GET solutions harness the power of AI and IoT, integrating different building systems and diverse data sources for a seamless utilities management experience. GET enables building owners and facility managers to leverage smart insights to optimise energy efficiency, enhance occupant experience, and advance sustainability efforts.

Key Benefits

-  **Better Comfort and Productivity**
Eliminate hot and cold spots with proactive regulation of indoor air temperature
-  **Energy Savings and Carbon Reduction**
Potentially save up to 30% on cooling energy and 18% on carbon emissions; enabling properties to become green buildings
-  **Efficient Retrofit Installation**
Quickly retrofit devices to existing equipment and save up to 25% on man-hours compared to a Variable Air Volume (VAV) system replacement
-  **Improve Operational Efficiency**
Pre-empt thermal comfort concerns and remotely manage at a micro-zone level through any device, eliminating the need to house data servers and a dedicated response terminal in the building
-  **Self-optimising and Predictive Controls**
Cloud-based AI enhances autonomous control capabilities by continuously commissioning and learning from the building's energy usage patterns

How it works

1 Optimisation

Self-learning building intelligence system that optimises and regulates air-conditioning in buildings

2 Control

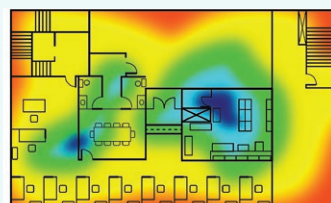
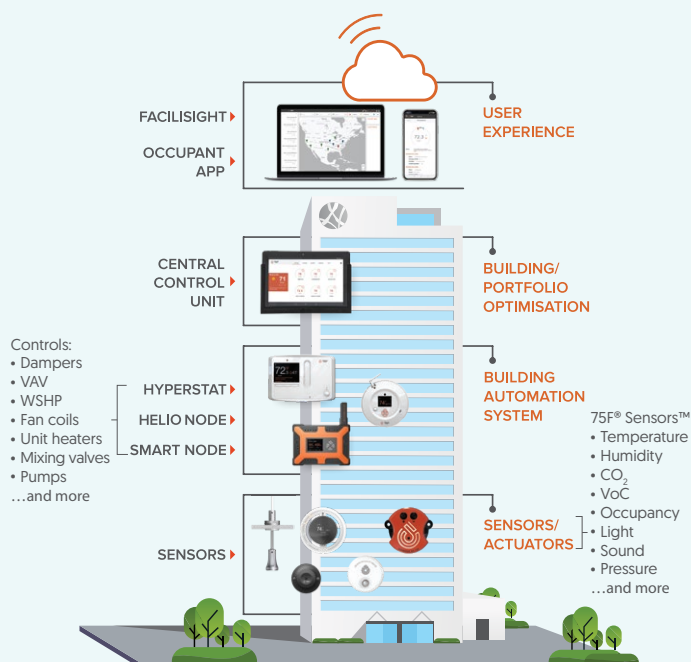
Smart damper system divides large open plan office into micro-zones with individual airflow control on each air-conditioning diffuser

3 Smart

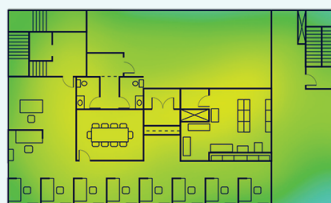
Uses AI and IoT to reduce energy consumption, taking into consideration factors like occupancy and weather conditions to optimise airflow to evenly cool areas – furthering the case for smart buildings

4 Efficient

Helps save energy, improve operational efficiency and occupant comfort, and can be cost effectively deployed in a minimally invasive and scalable manner



Before implementation:
Hot and cold spots in office space

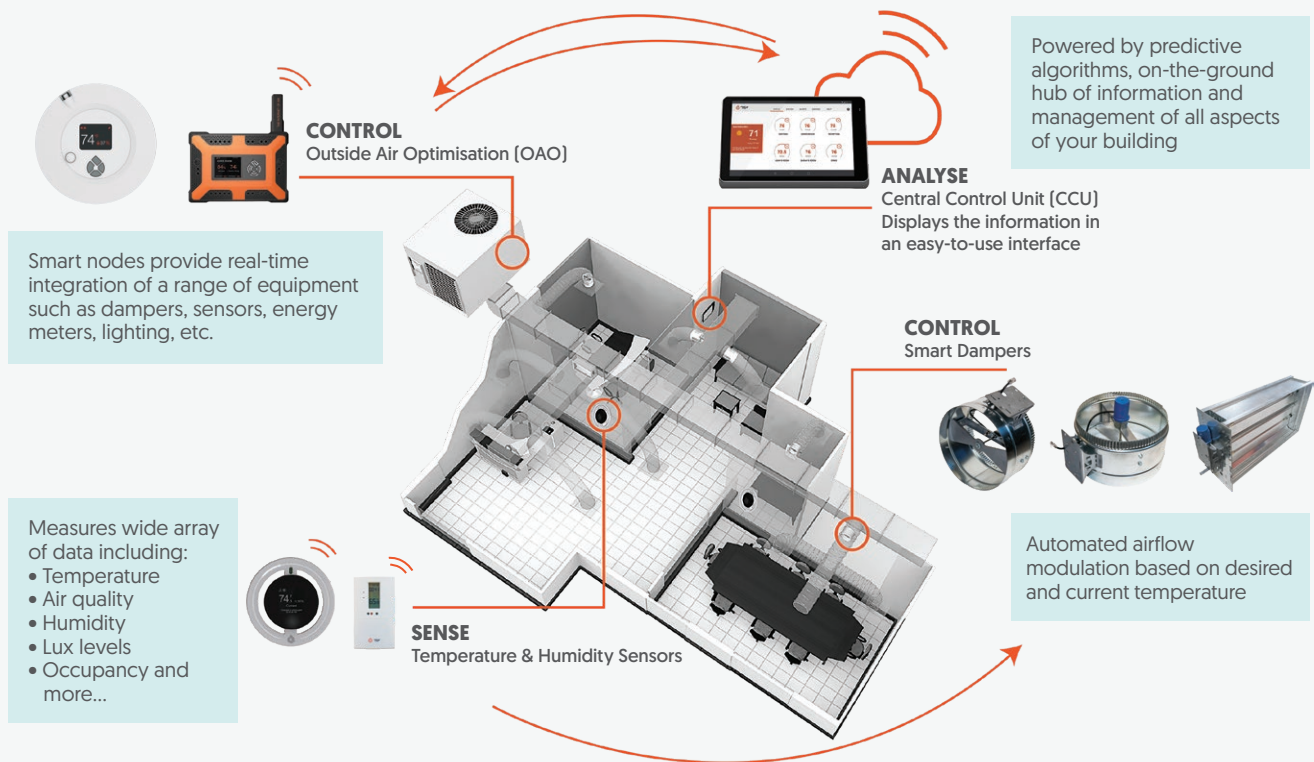


After implementation:
Office space is evenly cooled

Key Product Features

Dynamic Airflow Balancing (DAB)

Dynamic Airflow Balancing (DAB) is a proactive zone control system that remotely monitors and controls conditions in individual spaces for optimised comfort and efficiency. Predictive machine learning algorithms optimise temperature capacity by redirecting conditioned air to the spaces that need it most, a strategy which is proven to lower utility consumption.



Chiller Plant Manager

Simplify the complexities of managing your building's chiller plant. This cutting-edge IoT-based system controls plant equipment, energy consumption, and system performance. Its out-of-the-box digital twin of central plant equipment puts continuous plant monitoring at your fingertips.

Dynamic Chilled Water Balancing

An end-to-end solution for your chilled water system to maintain comfort while using less chilled water and saving more energy. The system understands, analyses and optimises the overall performance of your ACMV system, delivering you energy efficiencies.

Thermal Comfort

Having the right temperature can improve employee productivity by up to 10%. It also keeps everyone healthier, while reducing Air Conditioning and Mechanical Ventilation (ACMV) system costs and carbon emissions.

Our solution monitors and controls all factors that impact thermal comfort, including heat loads, set point of temperature, airflow and humidity, which are often beyond the capabilities of legacy control systems.

Integrated Indoor Air Quality Management (IAQ)

Volatile Organic Compounds (VOCs) are emitted as chemical gases into the air from objects such as building materials, office equipment, paints, cleaners, and aerosol sprays. VOCs buildup occurs in unused or partially occupied rooms or spaces. For Carbon Dioxide (CO₂), the opposite is true: high occupancy inside a zone or conference room without proper ventilation spikes CO₂ levels.

Our IAQ algorithm takes into consideration the target and threshold values of **CO₂** and **VOCs** at the **zone level**, to bring in more air when needed.

Outside Air Optimisation

The Outside Air Optimisation (OAO) is an application that combines hardware, software and real-time weather data to provide advanced sequences of operation from rooftop economisers to built-up air handlers in a wide range of commercial buildings. Facility managers who want to maximise efficiency, occupant comfort and indoor air quality (IAQ) should install OAO on all outside air applications. Customers can also add OAO to maintain pressure inside a building.

Epidemic Mode

Epidemic Mode is a new sequence of operations designed to maximise ventilation and outside air to maintain safe and healthy air-conditioned spaces in the event of a pandemic. It consists of two application profiles – Smart Enhanced Ventilation™ and Smart Purge™ – which update automatically via cloud as and when the latest guidelines change. Both are available with GET Control at no additional cost.

Energy Insights On-the-go

The GET Control solution comes with Facilisight®, a suite of web and mobile apps. This gives building operators actionable insights, and real-time monitoring and control of indoor air quality, comfort, acoustics, light and thermal levels.



Testimonial

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The GET™ Control solution was implemented at one of our SIT offices. Typical large office settings tend to have uneven indoor temperature distribution. With GET Control, the temperature within the zones in the office was well-balanced, improving the thermal comfort of the occupants. In addition, average energy savings of 30% for air-conditioning was achieved. As such, deploying SP Digital's solution helped us to achieve better productivity and energy savings.

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Why wait? GET Control today!



SP Digital, a wholly owned subsidiary of SP Group, leads the digital transformation for the group to enable decarbonisation of the built environment. Our vision is Empowering Sustainability with EnergyTech. We deliver innovative Green Energy Tech solutions, driven by data, AI and IoT to provide smart insights for building stakeholders to optimise energy efficiency, enhance occupant experience, and advance sustainability.

SP Digital also supports the 2030 Agenda for Sustainable Development and the Sustainable Development Goals in managing climate change, with a remit that covers residential, commercial, industrial and national needs. In addition, SP app, the greenest app in Singapore, connects our customers to updated energy consumption data, allows users to make bill payments and lead a more sustainable lifestyle through our GreenUP programme.



Contact SP Digital today

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