

CONTROL SYSTEM & SOLUTIONS

Global case study collection



A wide variety of suitable systems for every scene



Daikin air conditioning systems are used globally, in a wide range of applications. Our solutions are not only for commercial buildings, but also for houses, stores, hotels, hospitals, schools, high-rise buildings, and compound buildings. Our extensive product lineup equips us with the ability to meet each of our customer's needs, from energy saving operation to comprehensive air conditioning management.

ANYTIME, ANYWHERE



Easy control by smartphone, tablet and PC

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SVM Series system overview

Total facility management by smartphone, tablet and PC.

The diagram shows a 'Floor' unit connected to a 'Control room' via a 'DALI' and 'WAGO' interface. The control room is connected to a 'Router' and a 'PC'. A 'Smartphone' and 'Tablet' are also shown connected to the system. A man is shown using a smartphone, with the text 'Remote monitoring More flexibility!'.

Smart Control SVM Series

Model	Key Feature
SVMP1	Total facility management by smartphone
SVMP1T	Control by dedicated touch screen
SVMP2	Option for iTM to add smartphone accessibility
SVMPR1/2	Smartphone control for residence (AC only)
SVMPH1	Smart home system
SVMP2/3	Hotel guest room controller
SVMP1	Billing system
MSMPN1	Multi site control

PPD (Power Proportional Distribution) software

Air conditioning bills can be issued by one click!
An iTM option to calculate electricity for each tenant. With SVMPS1, owners can easily generate electricity bills for each tenant.

The diagram shows a computer screen displaying a software interface, connected to a 'Router' and a 'Smartphone'.

MSM (Multi Site Management)

Building managers can monitor and control building facilities from just one screen on their PC.

The diagram shows three sites (Site A, Site B, Site C) connected to a central 'MSM' system. Each site has a 'VRV' unit and a 'Router'.

iTM

Intelligent Manager
DCM601A51

- Air-conditioning control
- Lighting control (DALI-compatible)
- Equipment control

iTouch Controller, LonWorks interface and other products are available. Please contact your local Daikin dealer for more information.

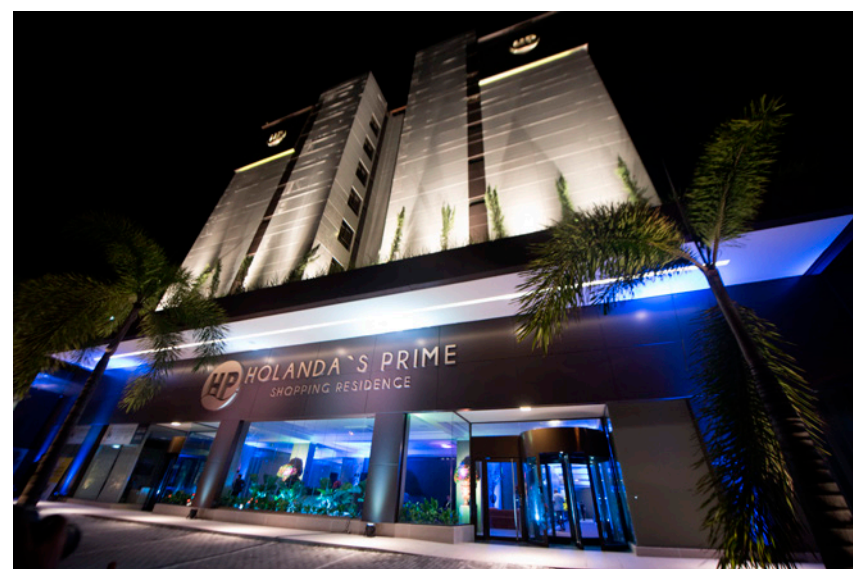
BACnet® interface

VRV interface for use in BACnet®
DMS502B51

Seamless connection between VRV system and BACnet® open network protocol.



1 Holanda's Prime



Project Outline

Holanda's Prime is an innovative building that embodies practicality, sustainability, nature, and well-being. Sophisticated and for mixed use, the building is designed to offer the best in comfort along with energy saving, state-of-the-art technologies to the 176 apartments and 27 high-end stores. The building is inspired by the largest cities around the world without forgetting the tranquility of being just 100 meters from the sea. The initial solution proposed was to use individual split systems. However, joint efforts and strong partnership between Daikin McQuay Brazil Recife Branch and the installer DPI enabled to completely revise the air conditioning and automation project to a one based on the VRV system.

Location: João Pessoa, state of Paraíba, Brazil

Number of floors: 10

Total floor space: 2,500m²

Construction: 2016

Daikin Systems Installed

[Air conditioning systems]

ODU: VRV IV 660HP, 30 units

IDU: Round flow cassette type, 78 units

Wall mounted type, 488 units

[Control systems]

iTM: 2 units

iTM Plus adapter: 8 units

SVMPC1: 1 unit

Power Proportional Distribution (PPD) software

Owner's Requirements

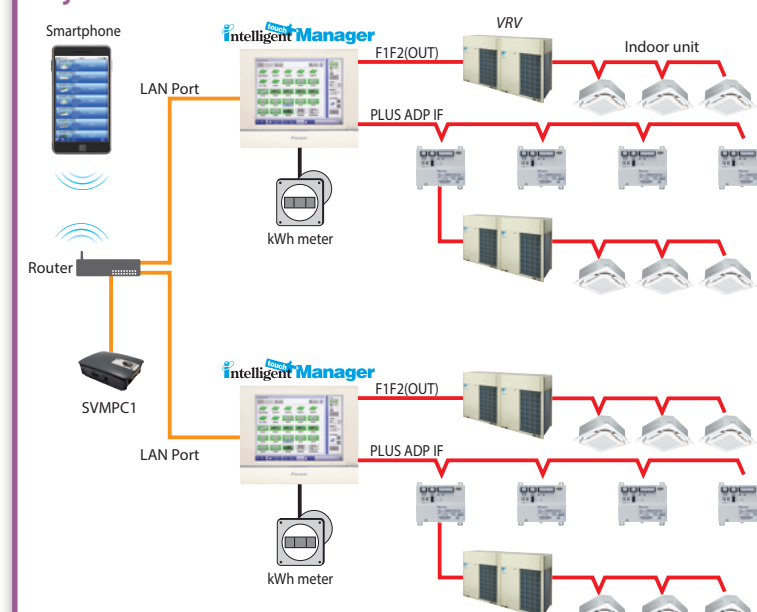
- To generate electricity bills according to the actual use
- To enable end users and maintenance company to easily control air conditioning from their smartphone
- To turn ON/OFF air conditioning automatically without manual operation
- To have setpoint restriction and individual remote controller prohibition
- To automatically receive e-mail in the event of a system error or failure
- To reduce electrical infrastructure using VRV system instead of individual split units

Daikin's Solution

Use Power Proportional Distribution(PPD) software to gather the actual power use of each user in csv data format, and SVM to automatically generate electricity bills from that data. Centrally control time scheduling, setpoint and individual remote controller restriction by using iTM, to which end users and maintenance company can easily access via SVM to control air conditioning from their smartphones. All these functions facilitate the maintenance company's everyday work while offering a comfortable environment to the end users.



System overview





2 Sapphire Building



Project Outline

An office building with European architecture located near Westlake in Hanoi, which is a very nice place surrounded by famous hotels. From the 1st to the 7th floor is an office building, and the 8th and 9th floors are Penthouses.

Location: Hanoi, Vietnam
Total floor space: 2,210m²

Number of floors: 9
Construction: 2018

Owner's Requirements

- To monitor entire building by smartphone
- To generate electricity bill according to the actual use

Daikin's Solution

Use iTM to control the VRV indoor units, and SMVPC1 to control and monitor the building by smartphone as well as to generate electricity bills according to the actual use.

Daikin Systems Installed

[Air conditioning systems]
ODU: VRV IV 166HP, 22 units
IDU: Duct type, 44 units
Daikin air cooled water chilling unit, 2 units
FCU, 13 units

[Control systems]

iTM: 1 unit
iTM plus adaptor: 3 units
SMVPC1: 1 unit
Power Proportional Distribution (PPD) software: DCM002A51
SMVPC1 connection software: DCM007A51
BACnet® connection software: DCM009A51



3 Exatron



Project Outline

Exatron is an innovative company focused on developing the highest quality electro-electronic products and promoting energy saving and safety.

Location: Canoas city (RS), Brazil
Total floor space: 11,000m²

Number of floors: 1 factory floor and 4 administrative floors
Construction: 2018

Owner's Requirements

- To remotely monitor and control the building by smartphone
- Easy commissioning, automation, and future retro-commissioning of the HVAC system
- To make interlocks in the automation system in order to obtain and guarantee energy efficiency

Daikin's Solution

Use iTM and SVM to remotely control as well as monitor and manage the HVAC system of each environment. Use programs to set temperature restrictions, operating hours, interlocks, and log generation. These systems allowed the consultant Engemestra to fulfill their client's requirements while facilitating the work of the installer Klift Serviços de Climatização.

Daikin Systems Installed

[Air conditioning systems]
ODU: VRV 278HP, 14 units
IDU: Duct and Cassette type, 44 units
HRV: 2 units
DX-AHU: 30TR, 3 units
25TR, 1 unit

[Control systems]

iTM: 1 unit
SVMPC2: 1 unit
Central remote controller: 1 unit



4 Piramal Healthcare



Project Outline

Piramal Healthcare houses pharmaceutical research laboratories and office areas.

Location: Mumbai, India
Number of floors: 7
Total floor space: 13,352m²
Construction: 2015

Owner's Requirements

- To control VRV from both iTM and BMS.

Daikin's Solution

Install Modbus interface cards to integrate BMS into VRV.

Daikin Systems Installed

[Air conditioning systems]
ODU: VRV X 1,154HP, 85 units
IDU: Duct type, 23 units
Wall mounted type, 19 units
Compact cassette type, 16 units
Round flow cassette type, 411 units

[Control systems]

iTM: 2 units
iTM Plus adaptor: 6 units
HA interface adaptor: 4 units



5 China Steel Machinery Corporation Administration Building



Project Outline

China Steel Corporation was established in 1971 and has the largest steelmaking plant in Taiwan. The group comprises 25 subsidiaries, and China Steel Machinery Corporation (CSMC) is one of them. All of its key directors and supervisors work in this building, just like the brain and heart of CSMC.

Location: Kaohsiung, Taiwan
Number of floors: 6 floors
(1 basement floor)
Total floor space: 7649m²



Daikin Systems Installed

[Air conditioning systems]
ODU: VRV IV 316HP, 23 units
IDU: Round flow cassette type, 159 units
Duct type, 4 units

[Control systems]

iTM: 1 unit
SVMPR2: 1 unit
Power Proportional Distribution (PPD) software
WAGO

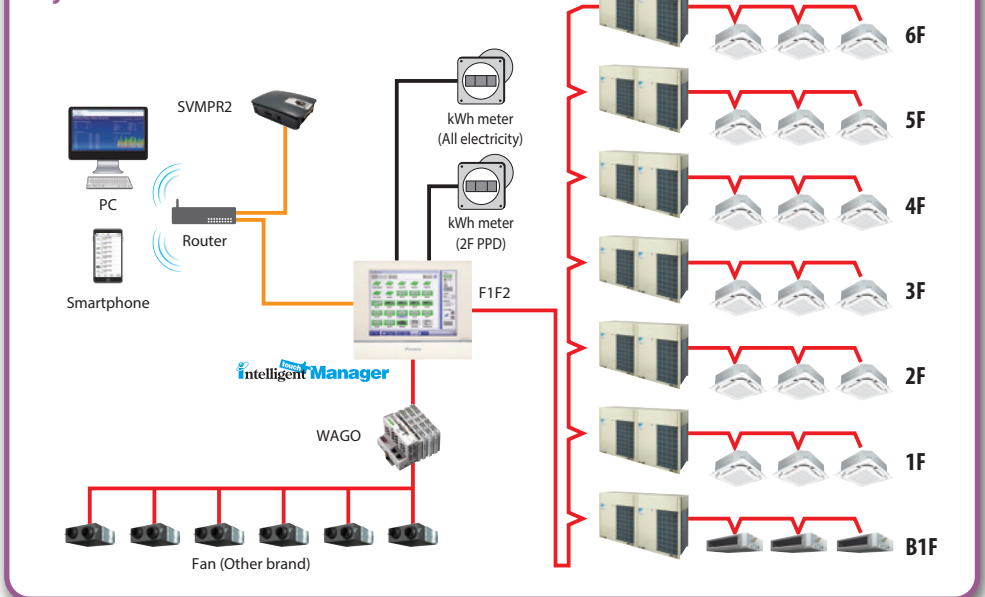
Owner's Requirements

- To improve the conditions below:
 - Aged chiller equipment
 - Wasted energy
 - Complicated control
 - Difficult AC management
 - Poor comfort level (Imbalanced air distribution)
- To analyze power consumption of each department in real-time

Daikin's Solution

Replace all of the chiller systems with VRV IV which has high operation limit (49°C) and uses refrigerant cooling technology. Regarding control system, Daikin implemented iTM with PPD to simplify the power consumption analysis, and SVM to monitor the VRV system from any location via internet and local network. Regarding third-party fan control, only WAGO needed some work. The VRV system materializes the All-in-one concept. SVMPR2 as a service tool enables dealers, contractors, technical engineers, and CSMC to stay updated on the status of the AC system. If anything goes wrong, Daikin is able to respond quickly.

System overview





PROJECT 6 Anabuki central building



Project Outline

Anabuki Central Building is an office building owned by Anabuki Kosan, the core company of the Anabuki Group. Anabuki Group conducts business under its corporate philosophy: Contribute to the creation of culture and history in the local society through housing and value-creating real estate business. When replacing the air conditioning system, other equipment were replaced to raise the energy efficiency of the whole building to realize ZEB (Zero Energy Building).

Location: Takamatsu, Japan
Number of floors: 9
Total floor space: 4969.19m²
Construction: 1984 **Replacement:** 2018

Daikin's Solution

Daikin checked the power usage of HVAC and the entire building, and proposed to replace the air conditioning equipment and improve the layout of the units. To make the building more energy efficient and ZEB-conscious, Daikin proposed to replace the lighting with LED because it dissipates less heat, consumes less power, and its illuminance can be controlled by using iTM and DALI (dimming function). Another proposal by Daikin was the renovation of the building structure to improve the heat insulation performance. As a result, the building now requires 40% less air conditioning capacity.

Daikin Systems Installed

[Air conditioning systems]
ODU: VRV X 212HP, 26 units
IDU: Cassette type, 105 units
Outdoor air processing unit, 9 units

[Control systems]
iTM, WAGO, DALI, BACnet® interface

Owner's Requirements

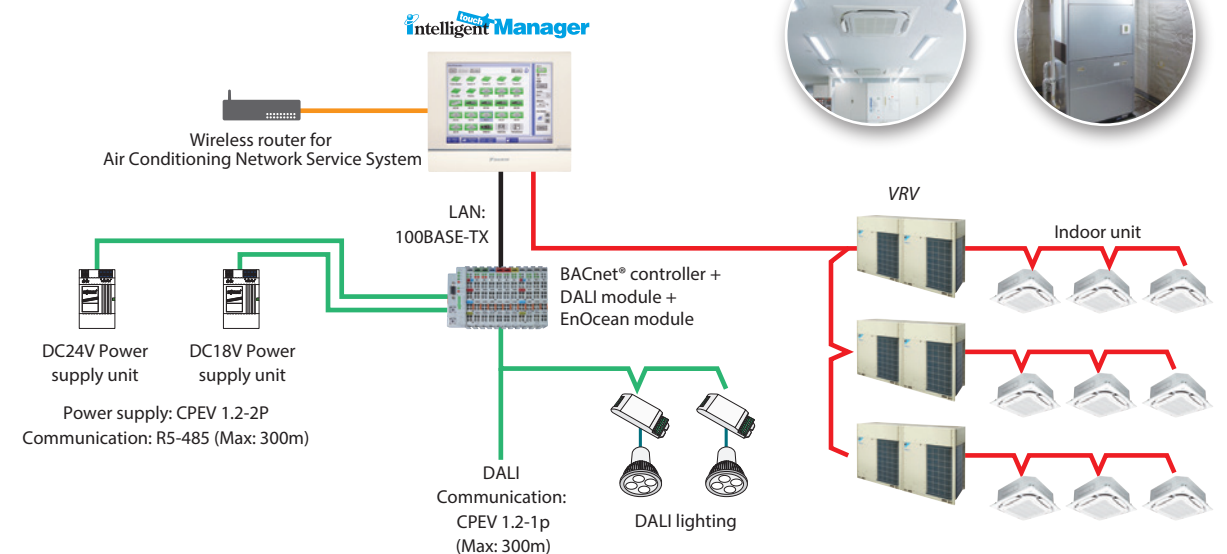
To reduce service maintenance, which has been increasing due to malfunctions or bad condition of the air conditioning system.

iTM
WAGO, DALI

The two major factors of power consumption in an office building are generally air conditioning and lighting.

iTM can control both of them from one system.

System overview



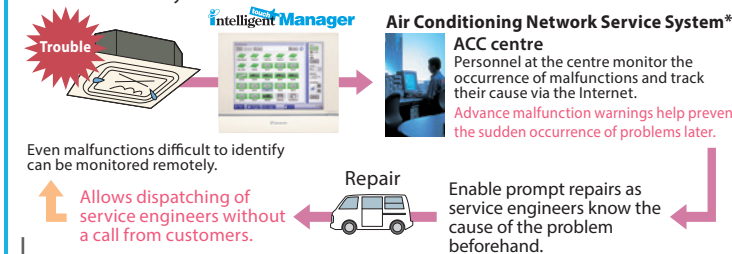
What is Air Conditioning Network Service System?

Preventive Maintenance

The intelligent Touch Manager can be connected to Daikin's own Air Conditioning Network Service System to remotely monitor and verify the operation status of VRV systems. Due to its ability to predict malfunctions, this service provides customers with additional peace of mind.

Enhanced convenience with link to the Air Conditioning Network Service System

The intelligent Touch Manager connects seamlessly to Daikin's 24-hour Air Conditioning Network Service System.



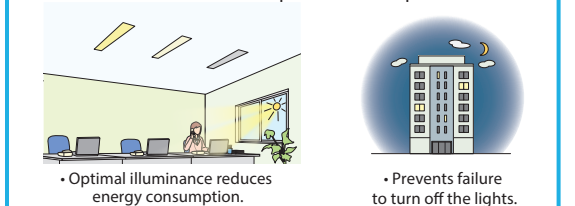
Remote monitoring by Air Conditioning Network Service System can not only prevent troubles such as emergency stop and repair, but also lead to less maintenance overall.

*Because of restrictions in applicable areas and release times, please consult a Daikin representative separately for details.

What can iTM and DALI do?

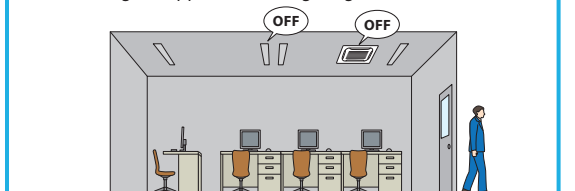
Case1

Switch-on / switch-off and illuminance are controlled based on a schedule to cut wasteful power consumption.



Case2

Occupancy sensors are used to eliminate both wasteful lighting and air conditioning. When a room is unoccupied, the air conditioning is stopped, and the lighting switched off.





PROJECT 7 Bank of China

iTM, SVM
Tablet control



Project Outline

Established in 1936 and including 13 sub-branches and 10 self-service banking outlets, Bank of China Singapore Branch manages and operates several regional business centres.

Location: Singapore
Number of floors: 18 (old wing) , 36 (new wing)
Construction: 1954 (old wing), 2000 (new wing)

Daikin Systems Installed

[Air conditioning systems]
VRV system

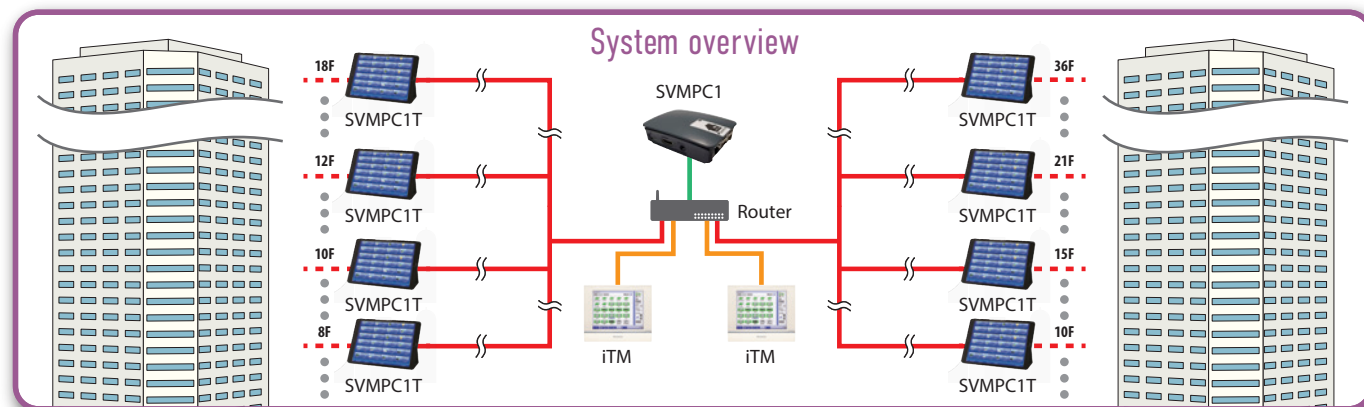
[Control systems]
iTM: 2 units
SVMPC1: 1 unit
SVMPC1T: 47 units

Owner's Requirements

- To monitor equipment at each floor
- To use smartphone as a remote controller and iTM as master control

Daikin's Solution

Use iTM + SVMPC1 to centrally manage the air conditioning for the entire building and SVMPC1T to individually manage the operation for each floor. Since automatic control settings such as schedules can be independently set for each floor, floor-specific air conditioning management can be performed independently in each floor. For the whole building, two iTMs are integrated with SVMPC1 so that they can be managed as one system.



PROJECT 8 Singapore Chinese Cultural Centre

iTM
SVM, WAGO



Project Outline

Singapore Chinese Culture Centre (SCCC) collaborates with arts and cultural groups and community partners to promote and develop local Chinese culture. Opened by the third Prime Minister of Singapore, Lee Hsien Loong, on 19 May 2017, the centre is designed for exhibitions, fairs, performances, seminars, talks, workshops, and other cultural activities.

Location: Singapore
Total floor space: 40,000m²
Number of floors: 16
Construction: 2017

Daikin Systems Installed

[Air conditioning systems]

ODU: 10HP, 1 unit IDU: Cassette type, 5 units
Daikin chilled water fan coil unit: 60HP, 10 units

[Control systems] iTM: 1 unit, SVMPC1, WAGO

Owner's Requirements

- To replace the existing subscription-based BMS from ABB
- To use smartphone as a remote controller

Daikin's Solution

Replace the existing BMS with Daikin's system which enables chilled water FCU and VRV control by smartphone. The solution uses a combination of iTM + SVMPC1 + WAGO: WAGO touch panel accessible from iTM via BACnet® to control the FCU and SVMPC1 to implement control by smartphone.



PROJECT 9 WAGO Japan Hyogo Service Centre

iTM
WAGO, DALI

Project Outline

WAGO Japan Hyogo Service Centre is located in the northern part of Himeji City, in a place surrounded by rich nature.

Location: Himeji, Japan
Number of floors: 5
Total floor space: 5243.8m²
Construction: 2007

Daikin Systems Installed

[Air conditioning systems]
VRV system

[Control systems]
iTM: 1 unit, WAGO, DALI

Owner's Requirements

- To control lighting in conjunction with air conditioning
- To implement demand control

Daikin's Solution

- Implement lighting control (ON/OFF, dimming) in conjunction with air conditioning by connecting WAGO and DALI to iTM.
- Use iTM to implement demand control. (Available only in Japan)





PROJECT 10 Chippewa Valley Electric Cooperative Cornell

iTM
WAGO



Project Outline

Chippewa Valley Electric Cooperative (CVEC) is a non-profit, member-owned organization which has a proud history of promoting energy saving solutions to its 7,500 residential and commercial customers.

Location: Wisconsin, USA
Number of floor: 1
Total floor space: 825m²
Construction: 2014

Daikin Systems Installed

[Air conditioning systems]
ODU: 18-ton VRV Water source heat recovery
IDU: Duct type, 13 units
4-way blow ceiling suspended cassette type, 1 unit

[Control systems]
iTM: 1 unit
BACnet® Client option: 1 unit
WAGO with BACnet® server: 1 unit
Navigation Remote controller: 14 units

Owner's Requirements

To have a highly efficient, easy to maintain, quiet, comfortable, and centrally controlled HVAC system to showcase in their new office

Daikin's Solution

Use Daikin's VRV W water source heat recovery system and centralised control system to create the showcase HVAC system that CVEC desired. Implement water flow modulation via iTM and WAGO using custom program. Use iTM and WAGO also for controlling related equipment other than the VRV system, including bathroom exhaust fans and energy recovery ventilators for the office area. Seamless, easy, and fast (it took only two days to be able to start up the entire system) integration of equipment control impressed CVEC very much.



PROJECT 11 Autonomous University of the West (UAO)

iTM



Project Outline

The Autonomous University of the West (UAO) was founded in 1970. It is located in the southwest of Colombia, in the coffee region comprising the departments of Valle del Cauca, Cauca, Nariño, Caldas, Risaralda and Quindío. The university undertook a technological renovation project for its four classroom blocks using Daikin VRV technology.

Location: Cali, Colombia
Number of floors: 6
Total floor space: 10,000m²
Construction: 2018

Daikin Systems Installed

[Air conditioning systems] [Control systems]
ODU: 680HP, 63 units iTM: 4 units
IDU: Wall mounted type, 7 units
Duct type, 203 units

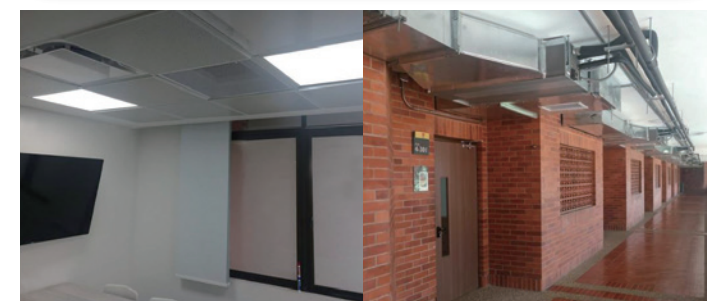
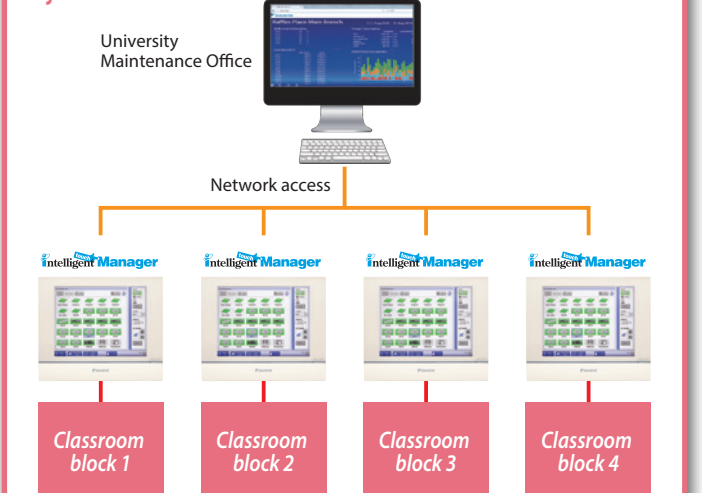
Owner's Requirements

- To manage several points from one place using the university's own network
- To control air conditioning easily even without special knowledge

Daikin's Solution

iTM enables to control all of the air-conditioned areas of the university, guaranteeing the comfort of students and staff, with the maximum level of efficiency possible. The university its satisfaction with the solution, telling "It has an intuitive interface, it's easy to operate" during the tour around the facilities of the university.

System overview





PROJECT 12 Tanglin Trust School



Project Outline

Location: Singapore

Owner's Requirements

To have a centralised control and monitoring of the AC system by smartphone

Daikin's Solution

The school campus has a total of six buildings, where each of them is locally managed by iTM and SVMPC1. All of them are centrally managed by MSM to enable management by smartphone.

Daikin Systems Installed

[Air conditioning systems]

ODU: VRV II, III, IV, SkyAir 2350HP, 208 units

IDU: 740 units

[Control systems]

iTM, SVMPC1, Multi Site Management (MSM)



PROJECT 13 Indian Institute of Technology Guwahati



Project Outline

Location: Guwahati, India

Owner's Requirements

To control and manage different indoor units from one central location

Daikin's Solution

Use iTM for its the easy-to-control, interactive panel. The implementation includes various energy saving functions, such as set temperature range control, scheduling and remote limitation.

Daikin Systems Installed

[Air conditioning systems]

ODU: VRV IV 480HP, 30 units

IDU: Cassette type, 200 units

[Control systems]

iTM: 1 unit

iTM

PROJECT 14 Indian Institute of Management Indore



Project Outline

Location: Indore, India

Owner's Requirements

To have an advanced centralised control and monitoring system for the air conditioning system

Daikin Systems Installed

[Air conditioning systems]

ODU: VRV IV 290HP, 17 units

IDU: Duct type, Wall mounted type, Cassette type

Daikin's Solution

Use iTM to fulfill the school's request. One of the key features introduced is PPD, which will be used to calculate the energy consumption of each individual indoor unit. It creates air conditioning billing reports quickly and automatically.

[Control systems]

iTM: 1 unit

Power Proportional Distribution (PPD) software

iTM
PPD

PROJECT 15 Delhi Public School



Project Outline

Location: Noida, India

Daikin's Solution

Use iTM to fulfill basic requirements and also provide many advanced features such as : scheduling for classrooms, interlocking for server rooms, and control from one centralised location.

Daikin Systems Installed

[Air conditioning systems]

ODU: VRV X 750HP, 50 units

IDU: Wall mounted type, 321 units

[Control systems] iTM: 1 unit

Owner's Requirements

As an educational institution, the school wants to schedule daily operation based on start/end times of individual classrooms and holidays set by using advanced control automation to maximize energy efficiency.

iTM

PROJECT 16 Gurukul School



Project Outline

Location: Chandigarh, India

Daikin's Solution

SVMPC1 solution was implemented to meet the requirements. SVMPC1 enables the school to control and schedule all indoor units from a smartphone / tablet using an interactive user interface. A benefit of this solution is that it enables the operating hours / schedule to be edited from outside the premises to make last-moment changes flexibly and comfortably.

Daikin Systems Installed

[Air conditioning systems]

ODU: VRV X 40HP

IDU: Cassette type, 15 units

[Control systems] SVMPC1: 1 unit

Owner's Requirements

- To schedule indoor units based on classroom timetables
- To control and monitor air conditioning from outside the premises by using a smartphone



PROJECT 17 Vila Galé Touros



Project Outline

The resort Vila Galé Touros is the new option of the Portuguese Vila Galé group. Near 80 km from the capital of Rio Grande do Norte, Brazil, the five-star hotel is located in a paradise beach village, surrounded by nature. The air conditioning and automation project based on the VRV system has been completed through the joint efforts and strong partnership between Daikin McQuay Brazil Recife branch and the installer Refriser.

Location: Touros, Brazil

Total floor space: 113,000m²

Number of floors: 4

Construction: 2017-2018

Daikin Systems Installed

[Air conditioning systems]

ODU: Total 612 HP, 30 units

IDU: Wall mounted type, 488 units

Duct type, 26 units

[Control systems]

iTM: 3 units

SVMPC1: 4 units

Multi Site Management (MSM): 1 unit

Power Proportional Distribution (PPD) software: 3 units

Central remote controller: 1 unit

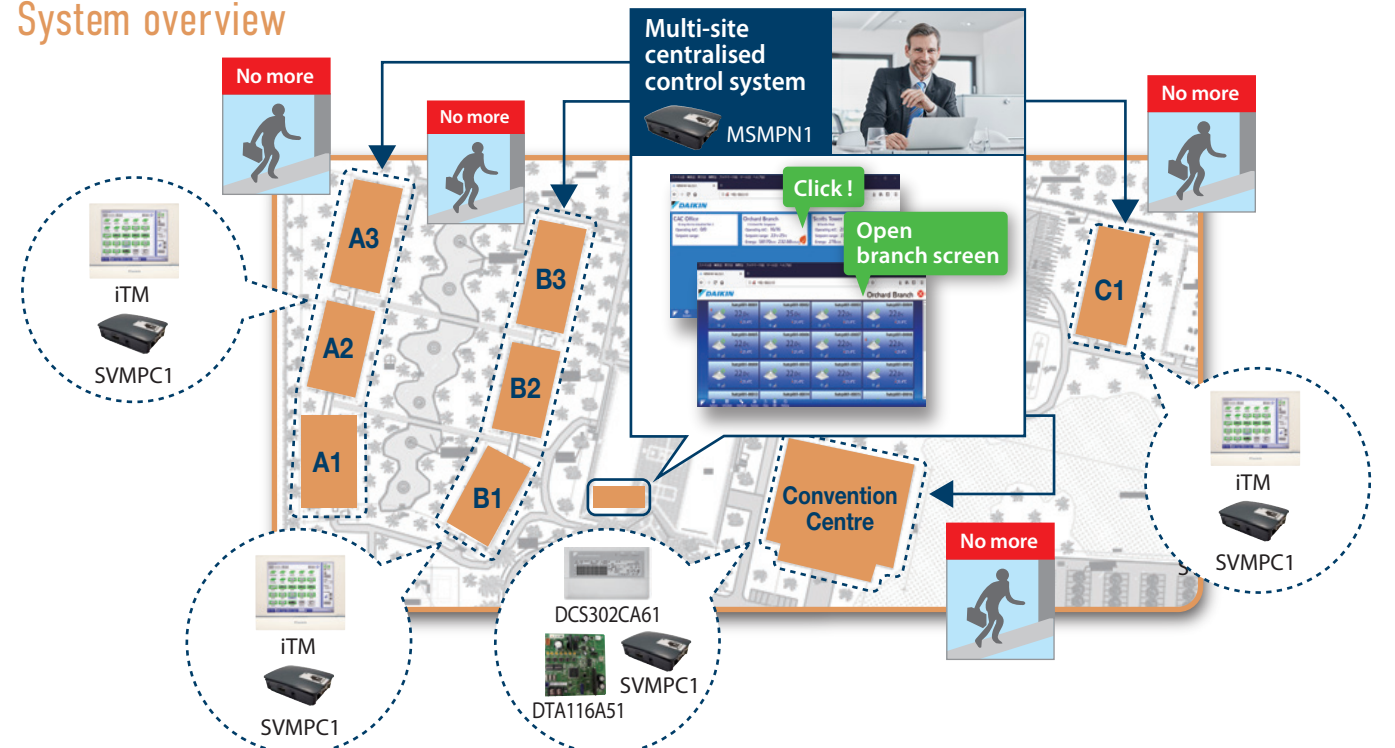
Owner's Requirements

- Manage several points from one place and access system by smartphone
- Time schedule for on/off and temperature restriction
- Energy saving management

Daikin's Solution

Use iTM and/or SVMPC1 to locally manage each block (A, B, C and convention centre), and MSM to control and monitor all of the blocks together. Use PPD to clarify the power used by each block and contribute to energy saving management.

System overview





18 Arborea Marina Resort

iTM, WAGO
BACnet® interface



Project Outline

The Arborea Marina Resort Neustadt, with its own sandy beach, is located on the site of the largest private marina on the Baltic Sea. This hotel was selected as a flagship project for the hotel industry applying for the "FOR FREE - Funding Project Regenerative Energy Efficiency" project, which is unique in Germany.

Location: Neustadt in Holstein, Germany

Number of floors: 5

Total floor space: 8379m²

Construction: 2018

Daikin Systems Installed

[Air conditioning systems]

ODU: VRV Heat Recovery, 10 units

IDU: Cassette, Duct, Floor Standing type, 165 units

Daikin AHU: 8 units

Split type: 7 units

Condensing units ERQ for ventilation and AC: 4 units

Refrigeration units: 2 units

[Control systems]

iTM: 1 unit, WAGO, BACnet® interface

Owner's Requirements

- To demonstrate how one can actively contribute to climate protection with a systematic and efficient interaction of coordinated heat pumps, refrigeration and air conditioning technology that is already available today.
- To have an energy efficient AC system while securing user comfort.

Daikin's Solution

DAIKIN equipped the new hotel building project with DAIKIN technology (air conditioning, cooling, ventilation and heating) for maximum energy efficiency and low energy costs right from the start. An all-in-one control system, implemented using iTM, enables to control both VRV and AHU by remote access from a PC. External systems are controlled by WAGO connected via BACnet® interface.



19 Courtyard by Marriott

iTM
WAGO



Owner's Requirements

To provide a comfortable room temperature to the guests when they enter the hotel room.

Daikin's Solution

When the guest is out of the room, the set temperature would change to 28°C and low fan speed. When the guest enters the room, the set temperature changes to 22°C and auto fan speed. In this way, a comfortable room temperature is provided to the guests while saving energy. This is achieved by using iTM in combination with WAGO. WAGO is used to sense the key tag status of the room and based on the key tag status, modulate the set point and fan speed.

Project Outline

Courtyard by Marriott Bhopal is a 5-star business hotel with 160 spacious rooms and ultra-modern amenities. The hotel provides the perfect blend of comfort and functionality.

Location: Bhopal, India

Number of floors: 6

Construction: 2012

Daikin Systems Installed

[Air conditioning systems]

ODU: VRV X 140HP, 9 units

IDU: Duct type, 65 units

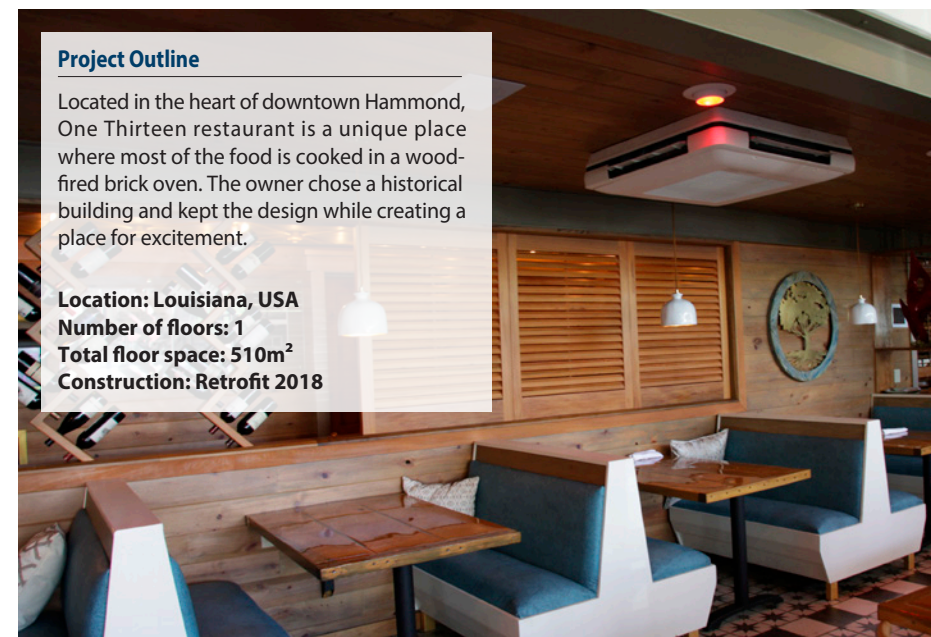
[Control systems]

iTM: 1 unit

WAGO

20 One Thirteen Restaurant

iTM
BACnet® interface



Project Outline

Located in the heart of downtown Hammond, One Thirteen restaurant is a unique place where most of the food is cooked in a wood-fired brick oven. The owner chose a historical building and kept the design while creating a place for excitement.

Location: Louisiana, USA

Number of floors: 1

Total floor space: 510m²

Construction: Retrofit 2018

Daikin's Solution

Use high-efficiency products from Daikin to fulfill the requirements. The entire Daikin solution is controlled using iTM central controller and an iTM BACnet® client option, with iTM functioning as a mini Building Management System (BMS). The iTM BMS enables the restaurant management to easily monitor and control all Daikin products to ensure a comfortable dining experience. This mini BMS can also control other building equipment such as lighting if desired.

Daikin Systems Installed

[Air conditioning systems]

VRV IV Heat Recovery, 1 unit

VRV IV Heat Pump, 2 units

VRV IV S, 1 unit

Multi Split, 2 units

Residential NV series Wall mounted type, 5 sets

Residential Wall mount unit, 2 units

4 way ceiling cassette type, 7 units

DVS (Dedicated outside air system), 1 unit

[Control systems]

iTM: 1 unit

BACnet® Client option: 1 unit

Owner's Requirements

To have a new seamlessly integrated heating, cooling, and outside air ventilation system all controlled with a single, central controller.



PROJECT 21 Alvin Residence



SVM



Project Outline

This residence is a luxury house located in an exclusive residential area of the West Surabaya region. This house adopts a modern style design.

Location: West Surabaya, Indonesia
Total floor space: 96m²
Number of floors: 2
Construction: 2017

Daikin Systems Installed

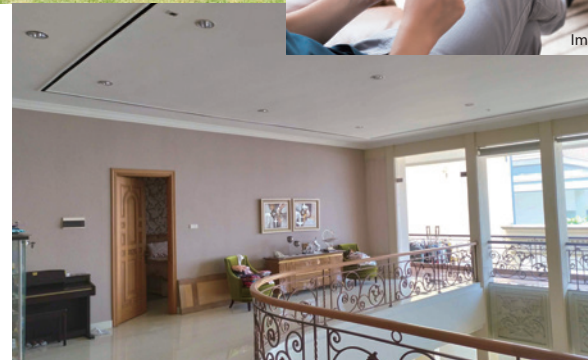
[Air conditioning systems]	[Control systems]
ODU: VRV Home Central 12HP, 1 unit	SVMPH1
IDU: Duct type, 3 units	

Owner's Requirements

- To be able to turn on AC before coming back home to make indoor comfortable.
- To never worry about forgetting to turn off the AC when the house is unoccupied or at night-time.
- To reduce power consumption, automatically turn off AC in rooms other than the bedrooms during sleeping hours.

Daikin's Solution

With SVMPH1, residents can control and monitor AC anytime, anywhere with their smartphone. So that the rooms are comfortable when they come back home. With the schedule function, they no longer need to worry about forgetting to turn off the AC. Even if they forget, they can turn it off from outside.



PROJECT 22 Arpoador Condominium



SVM
MSM



Project Outline

Arpoador condominium, located at Riviera de Sao Lourenço, offers a great experience of living in the beach area without forgetting the infrastructure a modern life requires. Daikin McQuay Brazil worked together with the builder Sobloco through the installer Pratika to come up with a solution that satisfies requests of both the owners and the installer.

Location: Bertioga, Brazil
Total floor space: 10,000m²
Number of floors: 11
Construction: 2019

Daikin Systems Installed

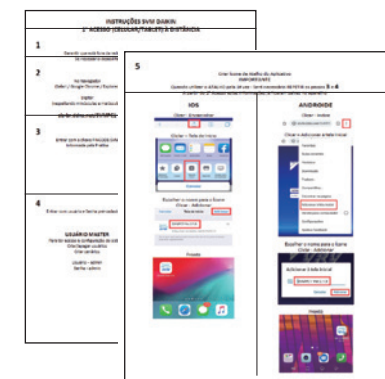
[Air conditioning systems]	[Control systems]
ODU: VRV S 540HP, 108 units	SVMPC1
IDU: Wall mounted type, 304 units	Multi Site Management (MSM)
Duct type, 10 units	
Round flow cassette type, 16 units	
Single flow cassette type, 13 units	
Double flow cassette type, 52 units	

Owner's Requirements

The owners live in other cities and come to the property only on weekends or on vacation. Therefore, they want to monitor air conditioning from another place.

Daikin's Solution

Daikin proposed SVM so that each owner can control and monitor their unit with their smartphone. Daikin also proposed MSM so that the installer can monitor all apartments 24/7 with a smartphone or PC. In the event of a problem or inquiry, the installer would be able to respond as soon as possible. Daikin is promoting SVM aggressively by creating, together with the installer Pratika, a local operation manual for SVM.



Local operation manual image

PROJECT 23 Australia Nursing home in Perth

iTM, WAGO

Project Outline

Location: Perth, Australia
Number of floors: 2
Construction: 2018

Daikin Systems Installed

[Air conditioning systems]	[Control systems]
ODU: VRV IV, 40 units	iTM: 1 unit
IDU: Duct type, 221 units	WAGO: 120 points



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See you there!!



VRV is a trade mark of Daikin Industries, Ltd.

VRV Air Conditioning System is the world's first individual air conditioning system with variable refrigerant flow control and was commercialised by Daikin in 1982.

VRV is the trade mark of Daikin Industries, Ltd., which is derived from the technology we call "variable refrigerant volume."

Dealer

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