



Daikin Service Your Reliable Partner




Daikin Qatar

With the establishment of Daikin Qatar in 2020, the company aims to reach more and more businesses and individuals and deliver a wider range of HVAC solutions to every corner of the country.

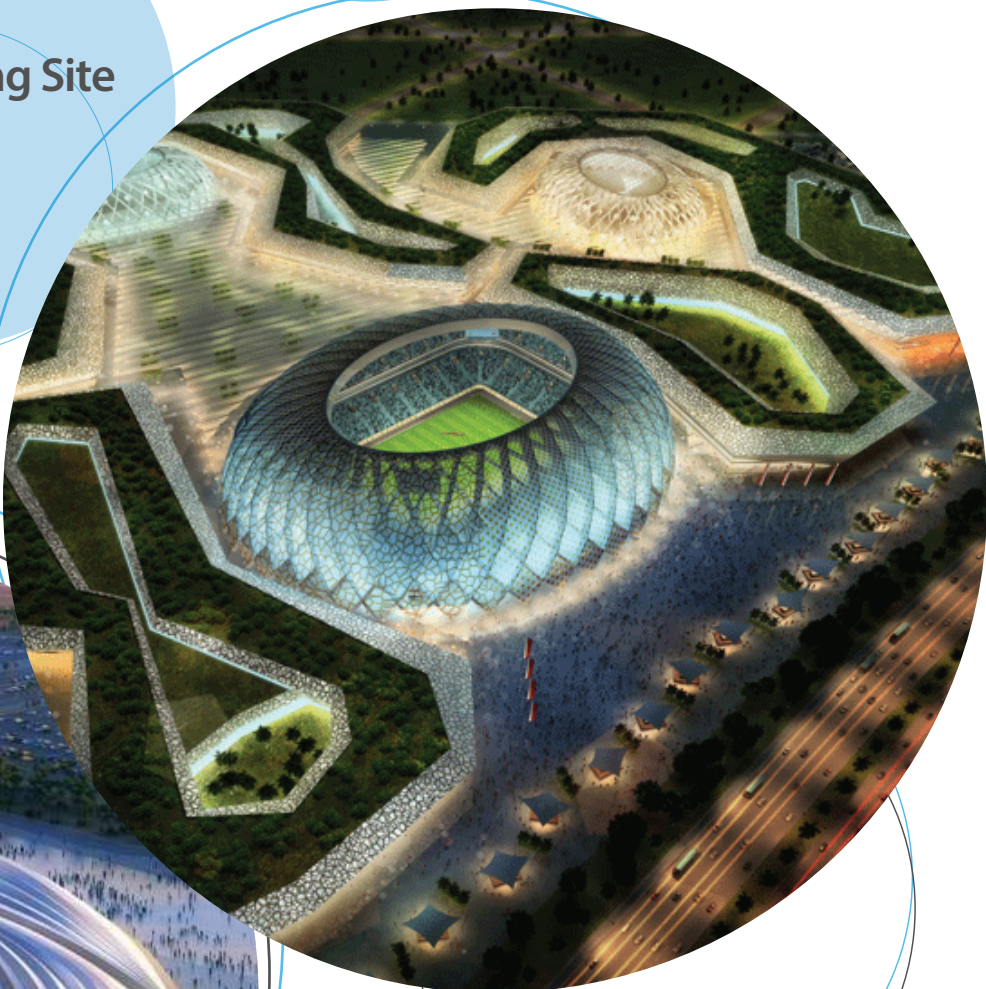


Fast and reliable
service
That's the Daikin
promise

Key Projects



Al Bayt Stadium
District Cooling
3000TR



**FIFA Compliant
Prototype Training Site**
FAHU / RA Units
1025TR



Al Wakrah Stadium
Chillers
3000TR

Key Projects



Khalifa Stadium

Chillers
52200TR

Al Dafna Amiri Villa

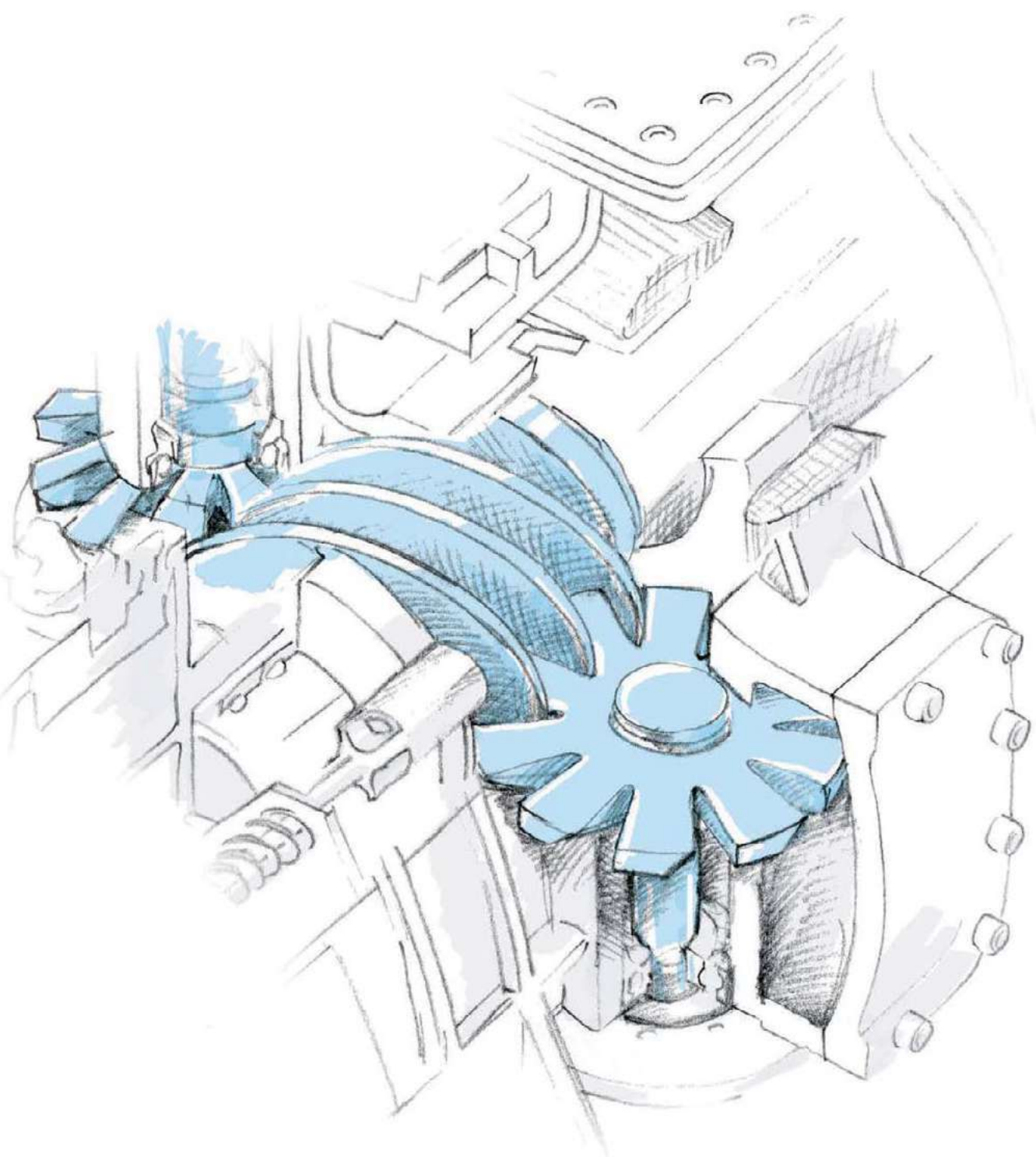
VRV IV
420HP



The Vyra Suites (Samrya 44)

Water-Cooled VRV IV
1976HP





Expert services from the brand you trust

Daikin products are used in more than **150 COUNTRIES WORLDWIDE**

Our company is multi-cultural, fast growing, dynamic and rewarding. The result is a unique work environment, built on 3 company values: **Absolute Credibility, Enterprising Management and Harmonious Personal Relationships**

Wherever you are in the world, regardless of region, season of culture, we ensure that your home, office or business gets the highest quality of air and comfort with our top-of-the-line products and total solutions.



Product Development Bases **WORLDWIDE**

Over 100 production bases worldwide to meet a wide range of individual needs and preferences for now and in the future.

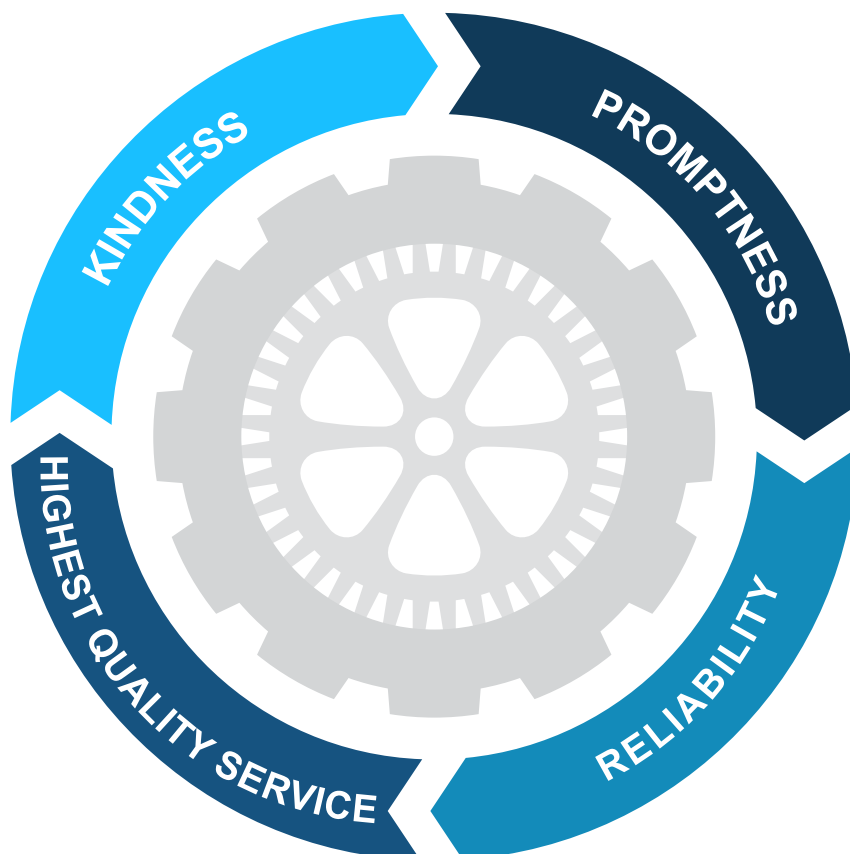




A well-maintained HVAC system adds value and continuity. Taking steps to prolong your installation's working life lets you focus on your core business.

Daikin Philosophy

- » Create New Value by Anticipating the Future Needs of Customers
- » Contribute to Society with World-Leading Technologies
- » Realise Future Dreams by Maximizing Corporate Value
- » Think and Act Globally
- » Be a Flexible and Dynamic Group
- » Be a Company that Leads in Applying Environmentally Friendly Practices
- » With Our Relationship with Society in Mind, Take Action and Earn Society's Trust
- » The Pride and Enthusiasm of Each Employee Are the Driving Forces of Our Group
- » Be Recognized Worldwide by Optimally Managing the Organisation and its Human Resources, under Our Fast & Flat Management System
- » An Atmosphere of Freedom, Boldness, and "Best Practice, Our Way"
- » After-Sales Service Policy is Reliability, Kindness, Promptness with Highest Quality Service



Sustainable solutions

tailored to your needs

Daikin products are as good as their name. That's why Daikin offers a range of services that offer increased efficiency, life cycle economy and guaranteed satisfaction, not to mention peace of mind. At Daikin, we understand that HVAC is a big investment – not just for the initial installation, but also in terms of maintenance. That's why we also want to keep your system running efficiently. Whether you want to request for technical assistance, find the perfect service plan or optimize your system, Daikin is there for you.

Optimisation and upgrades



Intelligent remote
monitoring



Upgrading /
optimisation

Keep the installation in top condition



Service plan

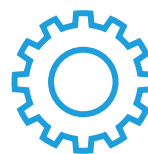


Installation support



Commissioning

Parts and repairs



Spare parts



Repair service



Whether it's technical support, a service plan or an upgrade, you can count on the experts at Daikin Service to ensure your system performs reliably and efficiently.

Integrated solutions from the experts

An efficient HVAC system is a healthy HVAC system. Keeping it in top working condition is critical for the well-being of a building's occupants. Our intelligent remote monitoring helps you identify most of the problems before they even occur. And if your cooling or heating loads changed over time, or your system is no longer performing optimally, consider upgrading. You may not need a full replacement – optimising or modernising an existing installation is often more

cost-effective and environmentally friendly. Daikin will team up with you to select the best technical and financial solution. We help you:

- › Track energy use and performance with remote monitoring, preventing unexpected breakdowns
- › Comply with regulations via retrofits
- › Upgrade to more energy-efficient equipment
- › Do your part to protect the environment

Preventive system solution from day one

You purchased the most efficient equipment available, right sized it to match the building's requirements and had experts commission it to ensure it operates optimally, as specified. You probably want to keep it that way. Daikin Service and our partners can help you keep your investment fit by:

- › Deploying only highly qualified Daikin staff and authorised Daikin partners for maintenance and repairs
- › Being proactive from day one, assisting with the installation process and providing an effective commissioning
- › Taking a predictive maintenance approach
- › Using only genuine parts
- › Tailoring our Daikin service plans to suit your needs

On-time quality solutions

Daikin's experts are ready to assist you when you most need it. Our world-class logistics provide the necessary parts promptly and our engineers deliver the best-in-class service, repairing your equipment efficiently. Allow our professional service team to put their expertise to work for you by:

- › Offering quick delivery of quality spare parts for all models
- › Ensuring professional repair and emergency support services
- › Responding quickly to minimise the downtime of your installation

Daikin After-Sales Service Portfolio



Services offered

- » Annual Maintenance Agreements
 - o Comprehensive Maintenance Agreement
 - o Labour Maintenance Agreement
 - o Inspection Maintenance Agreement
 - o DOS & Daikin Cloud Services (DCS)
- » Repairs and overhauls
 - o Onsite repairs
 - o Compressor rebuilding of various types
 - Centrifugal and screw compressors
- » Upgrades
 - o Retrofitting / Refurbishing HVAC equipment
 - o HVAC system upgrade
 - o Tube replacement
 - o Controls solutions
 - o Energy-saving solutions
- » Special Service - NDT
 - o Eddy current test
 - o Oil test and analysis
 - o Vibration analysis
 - o Thermal imaging
 - o Chilled water analysis
- » VRV Project Management
- » Training & Development
- » Spare Parts Support

Serviced Products

VRV / DX



Unitary / Rooftop



Air Side



Applied / Chillers



Maintenance Agreements

Daikin Middle East and Africa FZE provides support to its installed base by providing the customised solution to the asset owners and facility management teams across GCC and Africa.

Various combination of labour, maintenance, consumables, operation, etc. are used to serve our prestigious customer base, backed up by our factory trained team of technicians.

The agreements can encompass various HVAC products like Applied Chillers, VRV/DX, Unitary Products, AHU, FCU, Cooling Towers, Pumps, etc.

Some of the agreement types:

» Comprehensive Agreement

Includes preventive services, breakdown labour, parts, material and consumables to give peace of mind to customers

» Labour Agreement

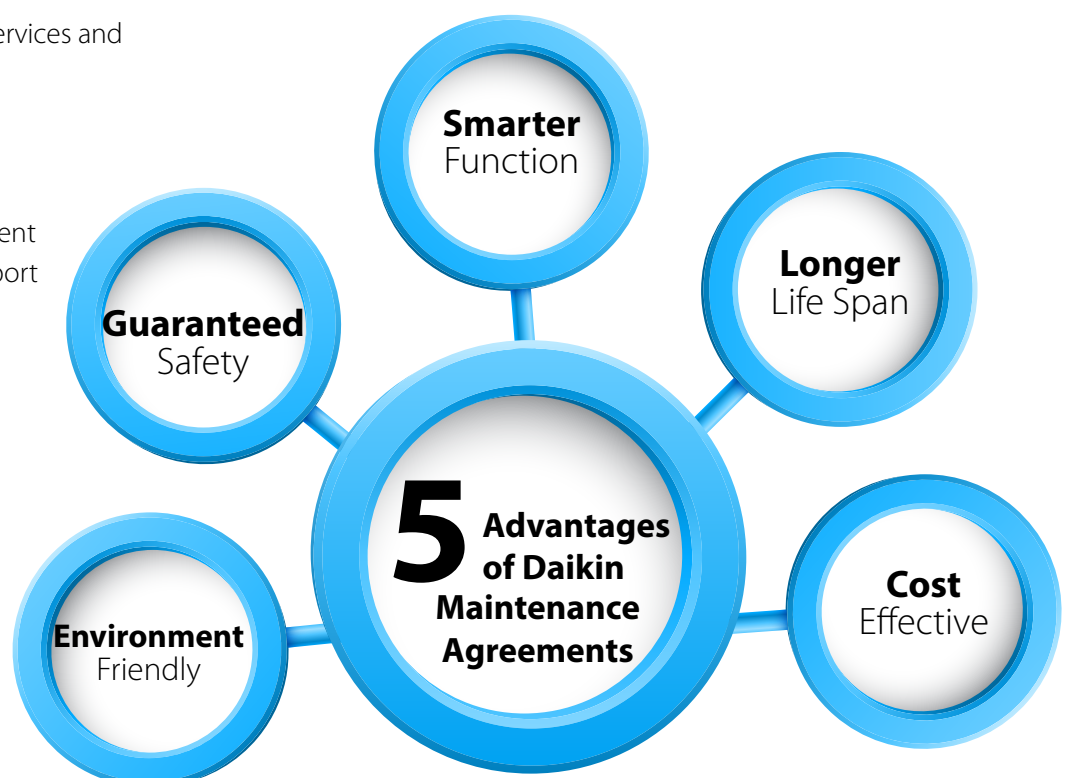
Includes preventive services and breakdown labour

» Inspection Agreement

Includes specialised inspection of equipment and submission of report

» Remote Monitoring Services

Includes specialised attention by monitoring your equipment and provide timely feedback



Daikin maintains more than 200,000 refrigeration tons of air conditioning equipment in the Gulf and Africa regions and provides support to the entire distribution network.

Protect your building assets through **Daikin Factory Service Solutions**

We understand that the customer demands the best service when it comes to managing their building facilities. The need to provide a safe, comfortable and quality building environment, with lower operating cost, always comes as a priority.

Daikin Factory Service offers solutions to help you get the most of your operations budget by controlling the maintenance costs and projecting the needs of your HVAC equipment. Our contract offers the following options:

- » Planned preventive maintenance visits
- » Emergency call out and repairs
- » Support 365x24 service back up, as per agreement
- » 24-hour operation of the Chiller Plant
- » All parts and consumables (including compressors, if required)
- » DoS/DCS services for equipment
- » Megger test for all compressor motors
- » Thermal imaging
- » Oil analysis
- » Vibration analysis
- » Eddy current testing of heat exchangers
- » Chilled water analysis

Control Solutions

Controls are an important element in ensuring the proper operation of the HVAC equipment. No matter how reliable and good your system could be, without proper control, it is almost impossible to fully operate and optimise the equipment.

We have a team of expert Control Specialists who could implement the most complicated control

logic and support to integrate our various products with the BMS.

From Daikin VRV's I-Touch Manager to Microtech III, our specialists could help support our clients to program, implement and commission these sophisticated controllers.



Which system offers the best solution?

I want Daikin to monitor my air conditioning system to guarantee the highest efficiency

DAIKIN CLOUD SERVICE

Monitor and control your system wherever you are with Daikin experts.

- » Remote control and energy visualization
- » Remote support and diagnostics
- » Advice and optimisation



I want **FULL INTEGRATION** of my Daikin Air Conditioning System via **Daikin Control Solutions** with the option to integrate other third party building facilities

Intelligent Manager

Complete Daikin mini BMS for building climate control

- » Integrate full Daikin Portfolio
- » Integrate third party equipment

Intelligent Controller

- » Detailed and easy monitoring and operation of air conditioning systems (maximum 2 x 64 groups)
- » Integration of basic building control functions possible (i.e. fire alarm, etc)

Multi-zone control via centralised control:

- » Access to daily used functions for multiple indoor unit groups/zones
- » Functions range from ON/OFF control to the setting of weekly schedules

Individual zone control:

- » Access to daily used functions for one indoor unit (group)
- » Units range from easy to use infrared controls to specially developed built-in hotel controls

I want to **INTEGRATE** the control of my Daikin Air Conditioning in a third party control system (Open Protocol Interface)

BACnet Interface

- » Integrate control system for seamless connection between your Daikin Air Conditioning and BMS system

LonWorks Interface

- » Open network integration of Daikin air conditioning monitoring and control functions into LonWorks networks

Modbus Interface:

- » Open network integration of Daikin air conditioning monitoring and control functions into Modbus networks

Alternative integration devices:

Daikin's adapter PCB's simple solutions for unique requirements

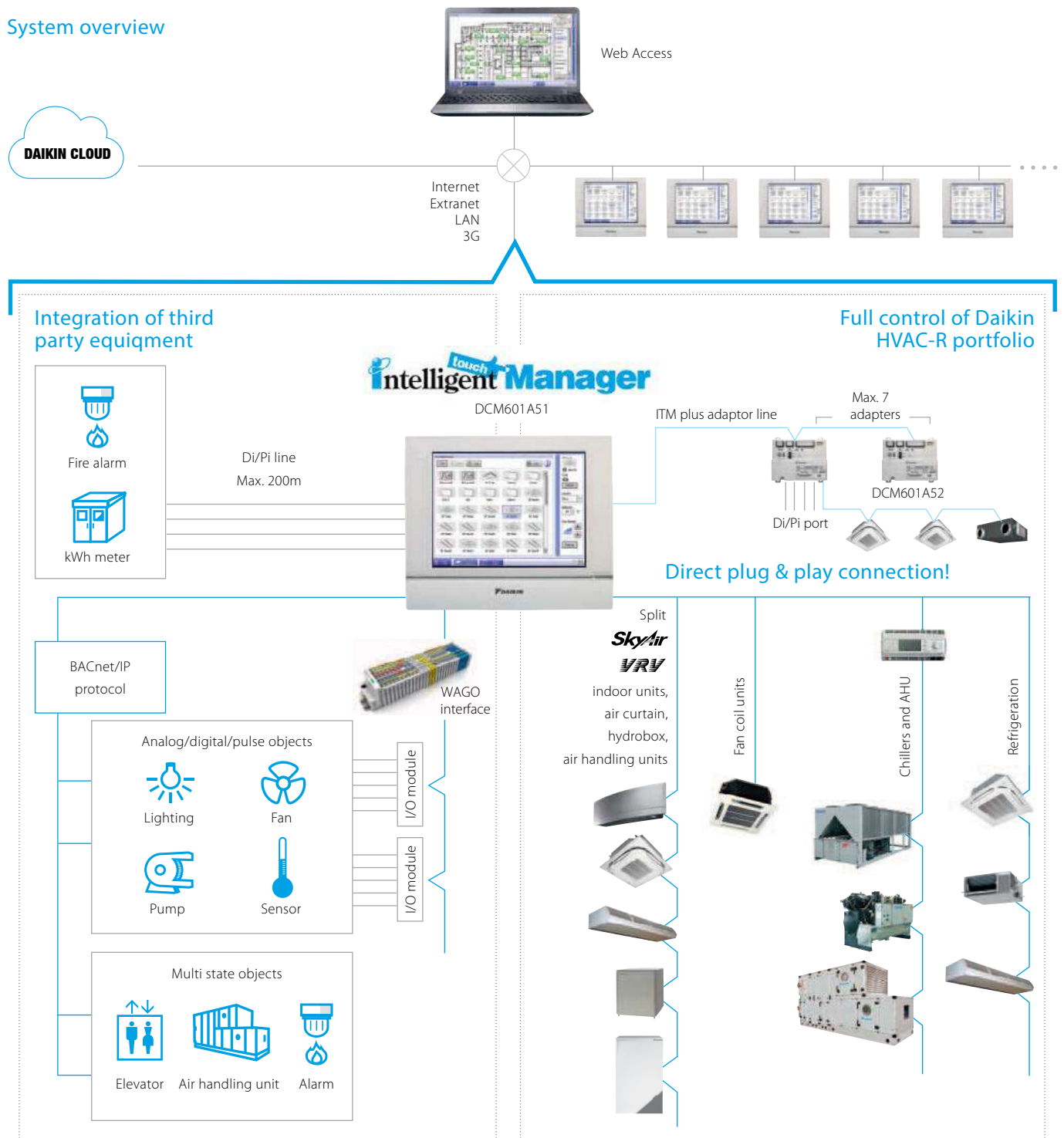


Mini BMS

with full integration
across all product pillars

- Price competitive mini BMS
- Cross-pillar integration of Daikin products
- Integration of third party equipment

System overview



Cloud connectivity and Daikin expert support

to achieve optimal operation

Daikin Cloud Service is a cloud-based remote control and monitoring solution for DX and VRV systems. Using enhanced control, monitoring and predictive logic, Daikin Cloud Service provides real-time data and support from Daikin experts to help you identify cost-saving opportunities, increase the lifetime of your equipment and reduce the risk of unexpected issues.

Monitor & control* your system no matter where you are
while teaming up with Daikin experts

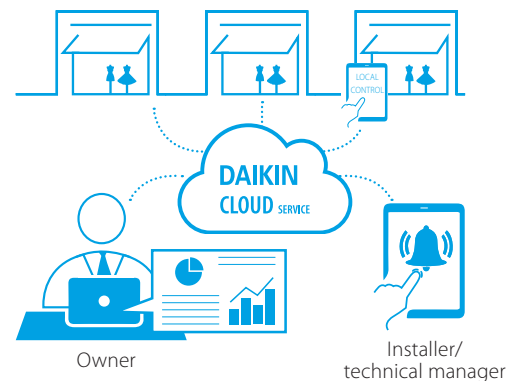
Remote control and energy visualisation

Puts you in the driving seat of your energy management

- ✓ Control and monitor your premises, wherever you are
- ✓ Centralised control and monitoring of all your premises
- ✓ Check errors remotely without having to go on site
- ✓ Visualise energy consumption and reduce energy waste by comparing different premises

Multi-site monitoring

From one to an ∞ number of sites



Remote support and diagnostics

Daikin specialist supervision, so you can focus on your core business

- ✓ Early warning of system deviations to maximise system uptime and avoid emergency repairs**
- ✓ Service providers have access to operational data so they arrive on site prepared
- ✓ Remote expert assistance in case of errors



Advice and optimisation

Get the best out of your system through expert advice

- ✓ Periodical analysis and optimisation report by experts
- ✓ Personalised actions to maximise energy efficiency and comfort
- ✓ Increased system lifetime as the system runs as it should

Daikin Cloud Service requires a subscription. Contact your local sales representative for more information.

* Remote Control function via Daikin Cloud Service only available for sites with an Intelligent Tablet controller

** Only available for VRV systems

User friendliness

- › Intuitive user interface
- › Visual lay out view and direct access to indoor unit main functions
- › All functions direct accessible via touch screen or via web interface

Smart energy management

- › Monitoring if energy use is according to plan
- › Helps to detect origins of energy waste
- › Powerful schedules guarantee correct operation throughout the year
- › Save energy by interlocking A/C operation with other equipment such as heating

Flexibility

- › Cross-pillar integration (heating, air conditioning, applied systems, refrigeration, air handling units)
- › BACnet protocol for 3rd party products integration
- › I/O for integration of equipment such as lights and pumps on WAGO modules
- › Modular concept for small to large applications
- › Control up to 512 indoor unit groups via one ITM and combine multiple ITM via web interface

Easy servicing and commissioning

- › Remote refrigerant containment check preventing on site visit
- › Simplified troubleshooting
- › Save time on commissioning thanks to the pre-commissioning tool
- › Auto registration of indoor units

Functions overview



Languages

- › English
- › French
- › German
- › Italian
- › Spanish
- › Dutch
- › Portuguese

System layout

- › Up to 512 unit groups can be controlled (ITM plus Integrator + 7 iPU (incl. iTM adaptor)
- › Ethernet TCP/IP

Management

- › Web access
- › Power Proportional Distribution (option)
- › Operational history (malfunctions, ...)
- › Smart energy management
 - monitor if energy use is according to plan
 - detect origins of energy waste
- › Setback function
- › Sliding temperature

Control

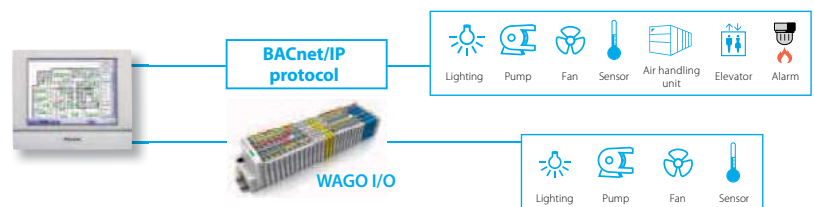
- › Individual control (512 groups)
- › Schedule setting (Weekly schedule, yearly calendar, seasonal schedule)
- › Interlock control
- › Setpoint limitation
- › Temperature limit

WAGO Interface

- › Modular integration of 3rd party equipment
 - WAGO coupler (interface between WAGO and Modbus)
 - Di module
 - Do module
 - Ai module
 - Ao module
 - Thermistor module
 - Pi module

Connectable to

- DX Split, Sky Air, VRV
- Chillers (via POL638.70 controller)
- Daikin AHU
- Fan coils
- Daikin Altherma Flex type
- LT and HT hydroboxes
- Air curtains
- WAGO I/O
- BACnet/IP protocol



Flexibility in size
64 up to 512 groups





Regional field intervention
and support

“Whether VRV, Chiller or
typical split unit, we have
the right professional
ready to support you”

“We are available whenever and wherever you need”

Our team of professional Engineers and Technicians are available to support regionally based on-demand.

We can perform start-up and commissioning of Daikin equipment, inspection, troubleshooting, and analysis of escalated issues to support our clients and solve the field-related HVAC concerns in the Middle East and Africa, where our local teams are ready to support or through our authorised service providers within our distributor network.





Retrofitting and refurbishing old HVAC systems

Most of the customers with old HVAC systems are always at the edge, waiting for an imminent breakdown to happen and worried about the high cost of repair which could easily break the budget. The usual choice is either to plan for complete equipment replacement or to defer the capital investment by accepting the increasingly higher expenditure, due to frequent breakdown and unexpected maintenance costs.

We have developed retrofit kit and upgrade solutions to modernise old and existing HVAC systems, utilising eco-friendly refrigerants, modern control, single-screw inverter technology and PID control logic, thereby

improving the cooling capacity of the old systems and its efficiency.

We work towards the enhancement of the efficiency of heat exchangers by replacing the old/damaged tubes with new factory supplied tubes to increase the longevity of the equipment with increased performance.

Modern equipment provides better efficiency and reduces carbon footprint. As the leading service provider, Daikin invests in upgrading our equipment to ensure smooth and reliable operation by upgrading the part or complete system.

Benefits of refurbishing old equipment

Reliability

We upgrade the equipment to run smoothly without any breakdowns

Our experts carry out a complete audit of the equipment and come out with solutions related to upgrade and improve reliability on the following major parts:

Lower Cost

Customer spends 40-60% of the new chiller cost even in the case of major upgrades and the equipment life is extended without the need of replacing it with new equipment.

- » Compressor
- » Evaporator
- » Condenser
- » Control Panel

Free AMC

The customer gets a free maintenance contract with the refurbishment, thereby getting a warranted work. We can assist by formulating the service plan using Annual Maintenance Contract for further years.

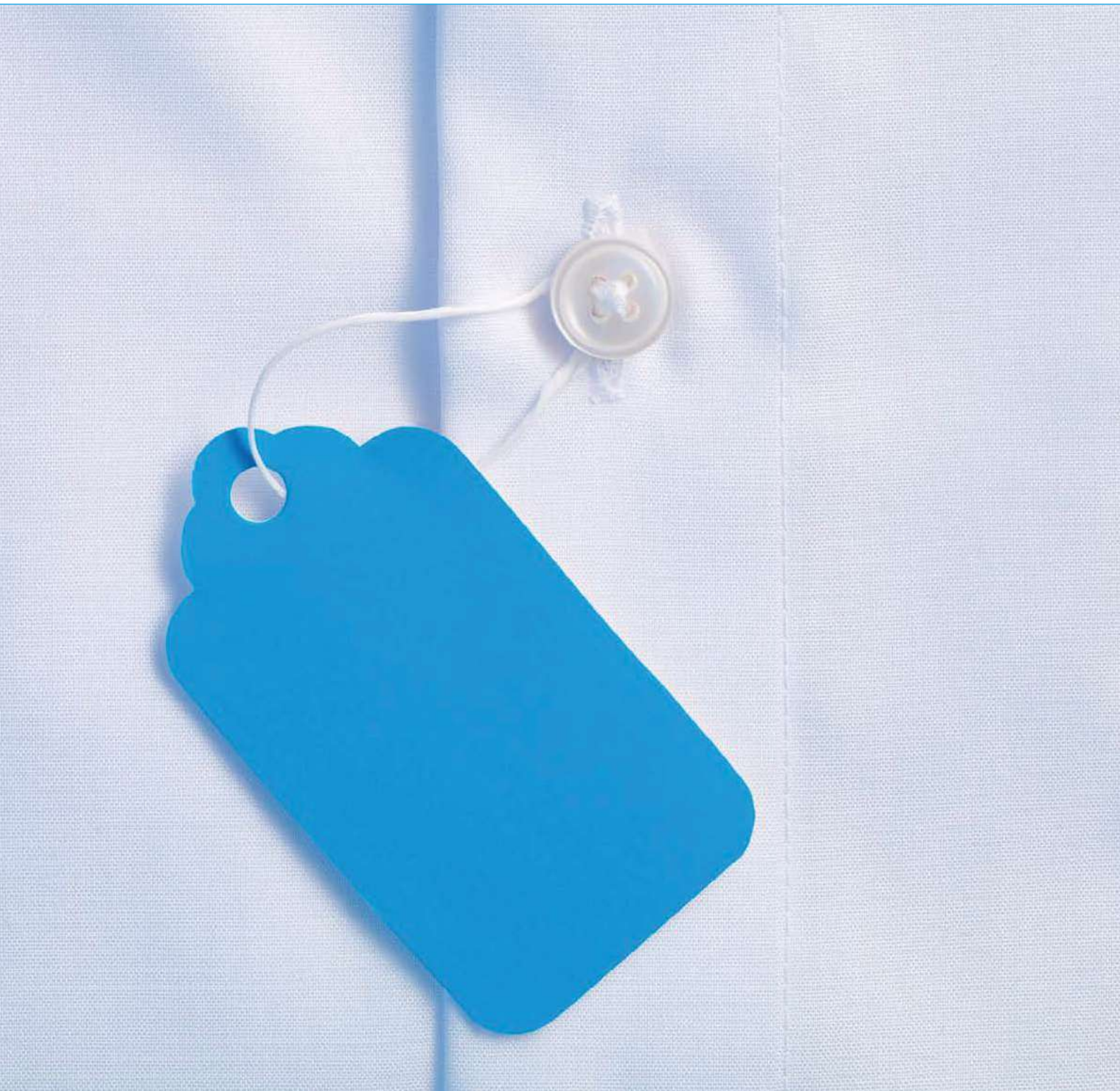
Through our state-of-the-art R&D Center, we, the whole Daikin group, has aligned all our resources to provide world-class aftersales services, solutions, and products. This is applicable to various upgrades and control solution to the DX/VRV and Applied range of products.

Efficiency

After the chiller is upgraded, energy bills are considerably reduced due to inherent technological advantage.

Our research and development investments allow us to provide premium products and solutions so that our client base can achieve excellent Returns on Investment (ROI) from such solutions.

The customised solution on the old products to ensure their reliable and efficient operation using the latest technological advancements has helped us to create loyal and patronising clients across the globe.



Maximum comfort at minimum total cost of ownership – Daikin Service offers peace of mind with top energy efficiency across our product range.



HVAC System upgrade / replacement

The demand for reduction of energy bills on chiller operation is increasing due to the high utility costs, thereby increasing pressure on end-users and Facility Managers to look for energy-efficient solutions.

OUR ENGINEERED SOLUTIONS ARE AS FOLLOWS:

- » Installing Variable Frequency drives on compressors
- » Providing Heat Recovery Systems
- » Replacing compressor with better efficiency
- » Upgrading control panels

- » Providing Chiller Management System
- » Providing Adiabatic Cooling System on Air Cooled Chillers

We are continuously providing engineered solutions to reduce the energy bills. We make sure that the chiller is ready to perform its 100% capacity and if for some reason, we find any part that is not performing to their optimum efficiency, we replace it with the latest high performance component to ensure the chiller is running at its peak performance and not wasting energy.



Non-Destructive Testing (NDT)

The field of Non-Destructive Testing (NDT) is a very broad interdisciplinary field that plays a critical role in assuring that structural components and systems, perform their function in a reliable and cost-effective manner.

Daikin is able to provide the following tests to our valued customers:

- » Eddy current test
- » Oil test and analysis
- » Vibration analysis
- » Thermal imaging
- » Chilled water analysis
- » Refrigerant analysis*
- » Endoscopy testing (Boroscope)

**Not applicable in Qatar*

These tests indicate the condition of the machines and provide information about predictive maintenance for the equipment. With the test results, we are able to advise our customers what is required to extend the life of chillers or make improvements in other areas.



Advantages of NDT

- » Eddy Current test of evaporators or water cooled condensers indicate the presence of small cracks and other defects in the tubes
- » Detects surface and near surface defects of the tubes
- » Inspection gives immediate results to ensure quick remedial action
- » Oil testing for particulates and acidity provide indications of metallic wear, carbon build-up and chemical degradation of the refrigerant due to moisture or other contaminants
- » Vibration analysis would indicate if the compressor or the motor has abnormal vibration which could indicate the requirement of opening and inspecting bearings instead of waiting for the compressor or motor breakdown.
- » Thermal imaging on the electrical panels would indicate any abnormal heat being produced which could eventually result in component failure, short circuiting and possible compressor motor failure.
- » Chilled water analysis would indicate if any metal content or acid contents are present in the water which can eventually result in corrosion or formation of precipitates or algae.





VRV Project Management and Commissioning Services

With the VRV technology being relatively new in the HVAC industry in the Middle East and Africa, installation and commissioning may be a challenge for new contractors or installers. To ensure that all projects are delivered according to Daikin standards and quality of installation, our team of expert engineers offer their services to manage and commission projects regardless of size.

We have delivered landmark projects in the region that set standard in the market, worldwide, in terms of magnitude and complexity. Our project management services aim to fulfill and surpass customer's expectations making sure that our equipment will outperform as a result of proper installation practices, professional commissioning methods and spot-on project management expertise.

The Vyra Suites (Samrya 44) Doha, Qatar

Why Daikin VRV?

The Daikin VRV Total Solution provides a single point of contact for the design and maintenance of your integrated climate control system. Our modular units enable you to select the right mix of equipment and technology to ensure that you achieve optimal balance of temperature, humidity and air freshness for the perfect comfort zone with maximum energy efficiency and cost effectiveness.

Daikin: High-Quality Products, Exceptional Service

Daikin is the top-range manufacturer of VRV, having the best technology in addition to the best qualified staff. Note that without the professionalism, perseverance and proactivity of the Daikin staff (and specifically Miss Laila), we couldn't have conceived the new cooling system in our project.

One of the unique features of Daikin is the Fan Coil Unit Auto-Balancing which could save cost of third-party air balancing when Fan Coil Units are supplying single zone, in addition that this would minimize further the noise level of the fan.

Antonio Ragheb
Head of Mechanical Engineering
Erga/SDT Qatar



Your problems:

Old split units working on R22 and without inverter is facing too many challenges:

- » Inherent drawbacks of the old technology
- » Ban on the use of R22 products by the governments
- » Ever increasing utility charges
- » Inefficiency of the system demanding high cost of operation
- » Demand for more efficient products

Our Solutions:

How Daikin can support?

- » Powerful cooling performance, even under high ambient conditions
- » Higher energy efficiency: up to 40% less electricity consumption than traditional systems
- » Quick Cooling: up to 1.5 faster than traditional systems, even under high ambient conditions
- » Quieter operation
- » Superior comfort all year-round

First High Ambient Split Unit with R-32 Refrigerant in GCC



INVERTER

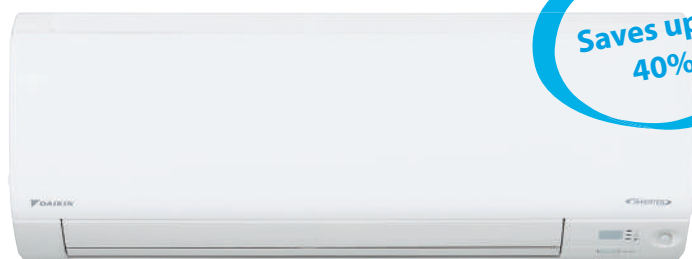
R-32



DRIVING OUR
GREEN VISION

R32 Inverter Split Wall

The greenest HA Split Wall in the market



Saves up to
40%

VRV IV+

3 revolutionary standards

- > Variable Refrigerant Temperature
- > Refrigerant-cooled PCB
- > VRV configurator

+ unique VRV IV+ core technologies

- > Newly-developed inverter compressor with back pressure control
- > 4-side heat exchanger
- > Improved SEER and EER
- > Predictive control
- > Outer rotor DC fan motor

VRV IV+ standards & technologies

Our new VRV IV+ systems set pioneering standards in all-round climate comfort performance. Total design simplicity, offering rapid installation, full flexibility as well as absolute efficiency and comfort. Find out about all these revolutionary changes at

www.daikinmea.com



Variable refrigerant temperature

Customise your VRV for best seasonal efficiency and comfort

Thanks to its revolutionary variable refrigerant temperature technology (VRT), VRV IV+ continuously adjusts both the inverter compressor speed and the refrigerant temperature, providing the necessary capacity to meet the building load with the highest seasonal efficiency at all times!

- › **Seasonal efficiency increased by 28% (compared to conventional VRF)**
- › **First weather compensating control on the market**
- › **Customer comfort is assured thanks to higher outblow temperatures (preventing cold draughts)**

How does it work?

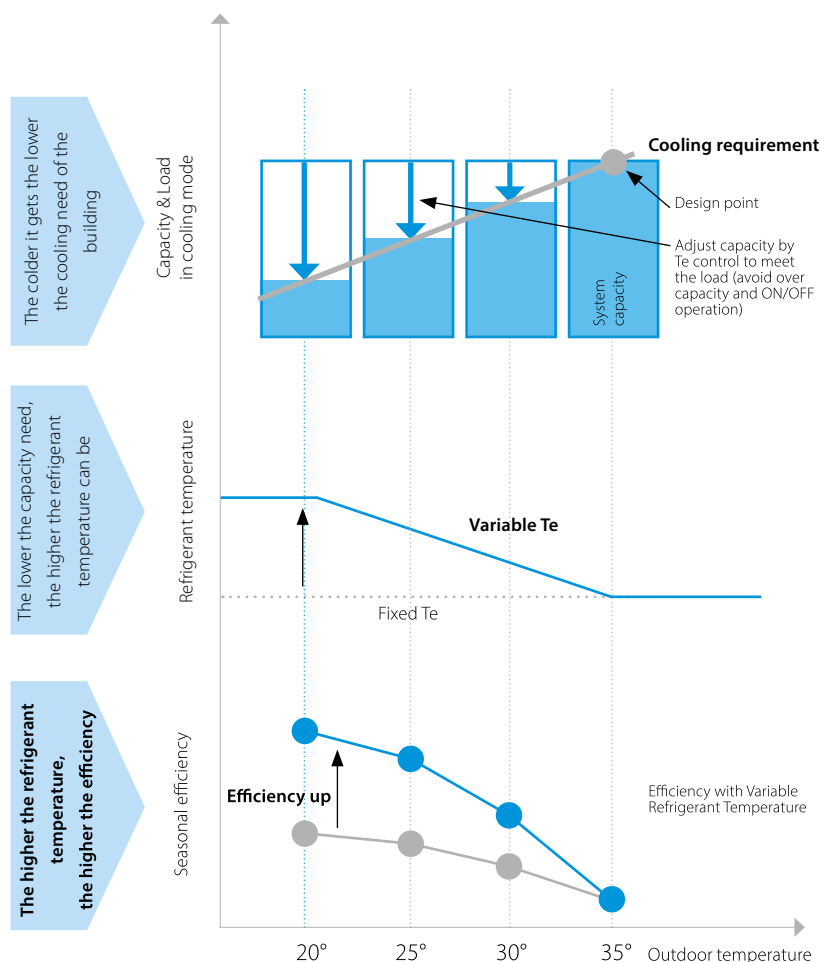
VRF standard

Capacity is controlled only with the variance of the inverter compressor

Daikin VRV IV+

Variable Refrigerant Temperature control for energy saving in partial load condition.

The capacity is controlled by the inverter compressor AND variation of the evaporating (T_e) and condensing (T_c) temperature of the refrigerant in order to achieve the highest seasonal efficiency.



Your problems:

Conventional Rooftop / Packaged Units have the following challenges:

- » Inherent drawbacks of the old technology
- » High electric bill
- » Higher capital cost on central system
- » More maintenance required
- » High operation noise
- » Lost space on AC system
- » Difficult Control system
- » Not so green technology



Our Solutions:

How Daikin can support?

- » Up to 40% more efficient vs. conventional systems
- » More than 30 years of innovation
- » Long piping up to 1,000 m
- » Various indoor unit types
- » High Ambient, up to 55°C

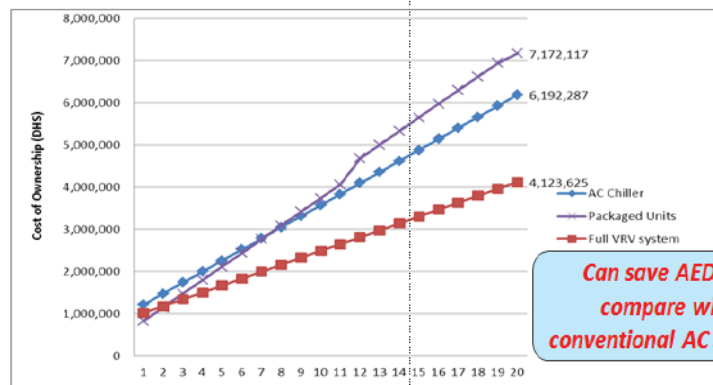


PIONEERING TECHNOLOGY

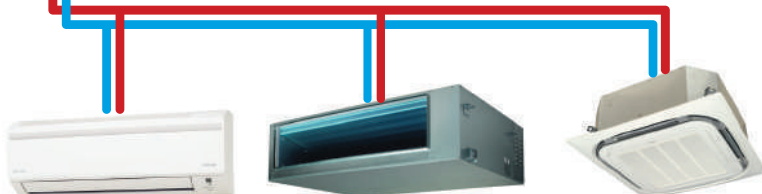


Solution for high electric bill

20 Year Life Cycle Cost Comparison → 100 TR Installation



**Can save AED 3M
compare with
conventional AC system!**



Applied

Your problems:

Conventional Chillers working on R22 or chillers working on old technologies:

- » High electricity bill
- » Higher capital cost on central system
- » More maintenance required
- » High operation noise
- » Lost space on AC system
- » Difficult Control system
- » Not so green technology



LEED® points can be earned from the Magnetic Chiller's performance in two categories: EAc1, up to 19 points possible, and EAc4, 2 points

Our Solutions:

How Daikin can support?

- » Single source supplier
- » High energy efficiency
- » BMS Integration
- » Wide range of products up to 6,000 Tons
- » AHRI certified



Air Cooled Chiller Premium Efficiency

Case studies | Chillers



We saved 57% on energy costs in our Johnson County office building in Olathe, Kansas, compared to a similar county office building down the road. Also, with the high performance magnetic bearing chiller as part of our Daikin system, we earned LEED® Gold certification from the U.S. Green Building Council.

– Neil Angrisano, AIA, Deputy Facility Manager for Johnson County

Note: Performance to save you millions of dollars over the life of the chiller. The Daikin Magnitude magnetic bearing centrifugal chiller is the most energy efficient chiller in its size range with part load performance as low as 0.29 kW/ton IPLV. This amazing chiller technology has been proven effective in thousands of installations around the world. And it's up to 40% more energy efficient than standard centrifugal chillers and can save more than \$4 million over the life of the machine.



The Daikin Magnitude chiller and central plant serves four buildings at the North Campus of the Florida Community College at Jacksonville, spanning 350,000 ft² of space, including classrooms, an auditorium, faculty and administrative offices, nursing labs, a culinary facility and bookstore.

CASE STUDY

Higher Education

Facility at a glance

Name

Florida Community College North Campus

Location

Jacksonville, FL USA

Facility size

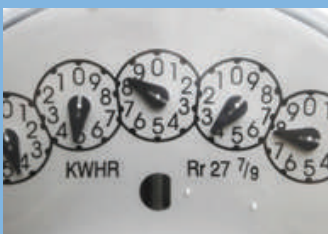
Four buildings, 350,000 ft²

Issue

Replace aging centrifugal chillers while meeting budget and energy-savings goals

Solution

Replace CFC centrifugal chiller with 300 ton Daikin Magnitude® magnetic bearing chiller



Energy Savings Summary

Electrical usage
519,514 kWh reduced during the first six months

Energy savings after chiller replacement
30-40% annually

Retrofitting and Refurbishing Old HVAC Systems

Service Capability	
Features	Benefits
Specialised Services	One stop solution for the user with assured quality
NDT services	Eddy Current Test, Vibration Analysis, Thermographic Analysis, Oil Analysis, Water Analysis, etc.
Equipment/Control	Helps in modernising the old equipment at much cheaper price while improving the reliability and efficiency of the equipments
Equipment condition/health check and maintenance services	Helps end users to assess the equipment condition on regular basis
Maintenance and Emergency Support Services	Factory Trained technicians support the customers to maintain the equipment at optimum conditions
Training	Site operators are the key in maintaining the equipment on the ground. Training by our factory certified specialist help them to properly maintain equipment and keeping high upkeep time with better reliability
Remote monitoring of the equipment	This helps in monitoring the equipment and provides the remote assistance in time to avoid major breakdowns



Benefits of Intelligent Network

RELIABILITY	COMFORT	LOW COST
Round-the-clock service system. In case of emergency, Specialist Engineers will reach the location within the agreed time.	Round-the-clock on-line diagnosis of equipment and operational condition along with our unique prediction function will minimize failure.	Maintenance fees can be less compared to conventional maintenance as the size of the air conditioning system increases.
ENERGY SAVING	LONG SERVICE LIFE	LABOUR SAVING
Air filters, heat exchangers and operational parameters are automatically monitored for any issues to ensure energy efficient operation.	Less deterioration, thus less costs, by keeping the equipment at its best condition.	Various data reports and suggestions for improvement contribute to efficient equipment management.

Certified Energy Auditing

We have a team of Certified Energy Auditors (CEA) to assist you on analysing your energy consumption and provide appropriate solutions.

Benefits

Reliability

We upgrade the equipment to run smoothly without any breakdowns

Lower Cost

Customer spends 40-60% of the new chiller cost even in the case of major upgrades and the equipment life is extended without the need of replacing it with new equipment.

Free AMC

The customer gets a free maintenance contract with the refurbishment thereby getting a warranted work and we can assist by formulating the service plan using Annual Maintenance Contract for further years

Efficiency

After the Chiller is upgraded; energy bills are considerably reduced due to inherent technological advantage

Our experts carry out a complete audit of the equipment and come out with solutions related to upgrade and improve reliability on the following major parts:

- » Compressor
- » Evaporator
- » Condenser
- » Control Panel

Daikin Group has aligned its resources to provide world-class services and solutions to its after-sales service products also using its world-class R&D Centre. This is applicable to various upgrades and control solution to the DX/VRV and Applied range of products.

The investment in research and development assists in providing world-class services to the installed customer-base and provides excellent Return on Investment (ROI) for such solutions.

The customized solution on the old products to ensure their reliable and efficient operation using the latest technological advantages has helped us to create loyal & patronizing customer base.



Training and Development

“Our trainers are factory-certified industry experts with years of practical hands-on experience”

We have a well-equipped training academy for Unitary and Applied products, that allow trainees to have a first-hand experience on Daikin equipment.

The Academy offers a variety of courses, related to design, selection, service, installation and maintenance.

Advanced courses related to specialised service, software, tools, checker and centralised controls are also offered.

Simulators and multimedia modules are utilised to explain technology better and enhance the understanding of all trainees.

Among those who attend our trainings are, Contractors, Distributors, Dealers, Facility Management companies and Clients who take interest in learning Daikin Technology.

Our Trainers are all factory-certified industry experts with years of practical hands-on experience on our systems, that provide trainees with product knowledge and impart technical skills that would help them deal with complicated problems in the field.

Spare Parts

To achieve best possible availability of high quality spare parts with the right price and quantity to meet growing customer requirements on turnaround time, Spare Parts function relies on two basic principles of customer service: **Speed and Reliability.**

- » Original parts procured from Daikin Factories
- » Sourcing of Chiller spares from USA and Italy
- » Ease of access to obtain spares information like availability and price
- » Good quality individual packing of parts to ensure reliability
- » Dedicated trained staff to meet customer requests and respond to them with consistency and speed
- » Servicing hundreds of clients spanning from Middle East to Africa
- » Spare products for various ranges of VRV, Split AC, Cassettes, Ducted, Rooftop, Chiller, AHU and FCU
- » Inventory of over 5000 SKUs spanning varieties of models
- » Central warehouse at Free Zone Dubai. Additional warehouses at Dubai and Riyadh to offer prompt local services in UAE and GCC
- » For African customers, service offered from Dubai and Belgium warehouses
- » Warranty Spares Support





VRV IV+ High Ambient

IT'S CLEARLY YOUR SOLUTION

VRV IV+ SETS THE STANDARD ... AGAIN



Variable Refrigerant Temperature

Customize your VRV for best Seasonal Efficiency and Comfort

Refrigerant Cooled-PCB

Reliable Cooling Designed for High Ambient Temperatures

VRV Configurator Software

For Simplified Commissioning, Configuration and Customization



VRV® Pioneering Japanese Technology Since 1982

DAIKIN VRV IV+ sets the standard again. Thanks to its variable refrigerant temperature control, VRV IV+ can be customized to deliver the best seasonal efficiency & comfort. Combined with intelligent Control Systems, wide range of indoor units and Fresh Air solution, VRV IV+ is clearly a Total Building Solution, designed for high ambient conditions.

Independently tested by

Intertek



Innovative and Efficient Solutions for You

RESIDENTIAL



COMMERCIAL



INDUSTRIAL



CONTROLS



SERVICE



In homes, shops, offices and even large-scale buildings, we support comfortable lifestyles in any situation.



DAIKIN TRAINING AND AIRCONDITIONING SOLUTIONS

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