Daikin Remote Monitoring Services

The latest technology matched with superb service to improve the efficiency and reliability of your HVAC-R installation.

Connected air conditioning works smarter. We offer several ways to manage your products and installations remotely. From performance monitoring to predictive logic and analyses and more, our Intelligent Network is a cost-efficient way to increase the security, uptime and reliability of your installation.

European Remote Monitoring Center

Location
Country: Slovakia
City: Bratislava

ERMC

Prediction by remote monitoring

Predicting breakdowns ahead of time

Trouble, such as abnormal stopping or unexpected repairs, can be significantly reduced by the Daikin Remote Monitoring Center linked to a local service contract offered by Daikin or Partners.

Analytics

Data is our raw material, and data analytics is our product. The continuous monitoring and analysis of a system's operating data is not only the key to ensuring efficient operation, cutting operating and maintenance costs and optimizing user comfort. Data analysis also provides further valuable and often surprising insights.

Hassle-free connection

We know that connecting a system to the cloud can often be a real challenge – but that's no longer your problem. We'll take care of the connection, including the mobile network and the router, both of which are remotely monitored to maximize infrastructure reliability.

Daikin Cloud Service

Our web-based service provides reliable and secure remote monitoring. Our top priority is to earn your trust. Daikin Cloud Service meets the highest security standards in all respects – safeguarding your data privacy as well as transporting and storing your data securely at all times.

The benefits of remote monitoring

Remote monitoring or control

Daikin Cloud Service is a web-based remote monitoring and control solution for HVAC systems that can even manage the energy consumption of several buildings at once. There's no need to install any special software. Everything is accessible using a standard browser, whether via a computer or a mobile device.

No potential problem goes unnoticed

What's more, Daikin Cloud Service provides automatic notification if it detects a possible malfunction. This unique predictive notification feature enables service measures to be initiated even before the user notices that a problem has arisen – thus maximizing reliability and minimizing service costs.

Maximum performance

The performance of even the best system can be impaired if it is not properly operated. Continuous monitoring allows load profiles, usage patterns and operating conditions to be closely followed. The data obtained is the basis for optimizing a system's operation and maintenance as well as its return on investment.

Real case

Real life examples, how continuous monitoring and data analysis could be useful:

-20%

Lower VRV consumption

Thanks to analysis of the VRV systems energy consumption data, we could provide the recommendation, how to change the usage pattern. The result was 20% reduction of electricity costs for cooling and about 15% in heating.

30%

Higher outlet temperature

Thanks to operation data analysis, we identified the possible comfort issues. Following operation assessment provided the base for taking the countermeasures to increase their comfort.

40%

Spare refrigeration capacity

Long term monitoring of the Conveni pack, identified that the client has a 40% spare refrigeration capacity. This allowed to reduce the number of installed devices and thus save the investment costs.

-20%

Lower investment costs

Operation data analysis of the old VRV system confirmed, that the replacement capacity and system layout could be optimized. This allowed to decrease investment costs of the replacement system and to resolve comfort issues.

Cost and energy saving support

Customized energy savings

Not only can Daikin measure total energy usage but it can also provide an optimal energy-saving plan that is unique to each customer's environment due to a wide selection of services.

Client: Lyon, France (in Central France), Building C (office building)
Solution: VRV type air conditioner (Total: 14 HP)
Start of Energy-Saving Control: June 2008
Reduction results: 36% reduction in air conditioning power consumption.
Control overview: Power consumption is reduced with almost no effect on the indoor temperature by increasing the indoor unit refrigerant temperature.
Control results: Comparison of performance with and without control.

Client: Jarošova Office Centre, Bratislava, Slovakia
Solution: 22 VRVIII outdoor units, 449 FXLQ
Start of Energy-Saving Control: August 2018
Reduction results: During the observed period energy consumption in cooling mode was decreased by 25% and in heating mode by 15%. At the whole year scale we expect the savings about 10%.
Control overview: With the help of energy consumption data analysis, energy savings opportunities were identified and implemented.
Control results: There is a further potential for energy savings with the help of continuous remote monitoring of the complete equipment operation parameters.

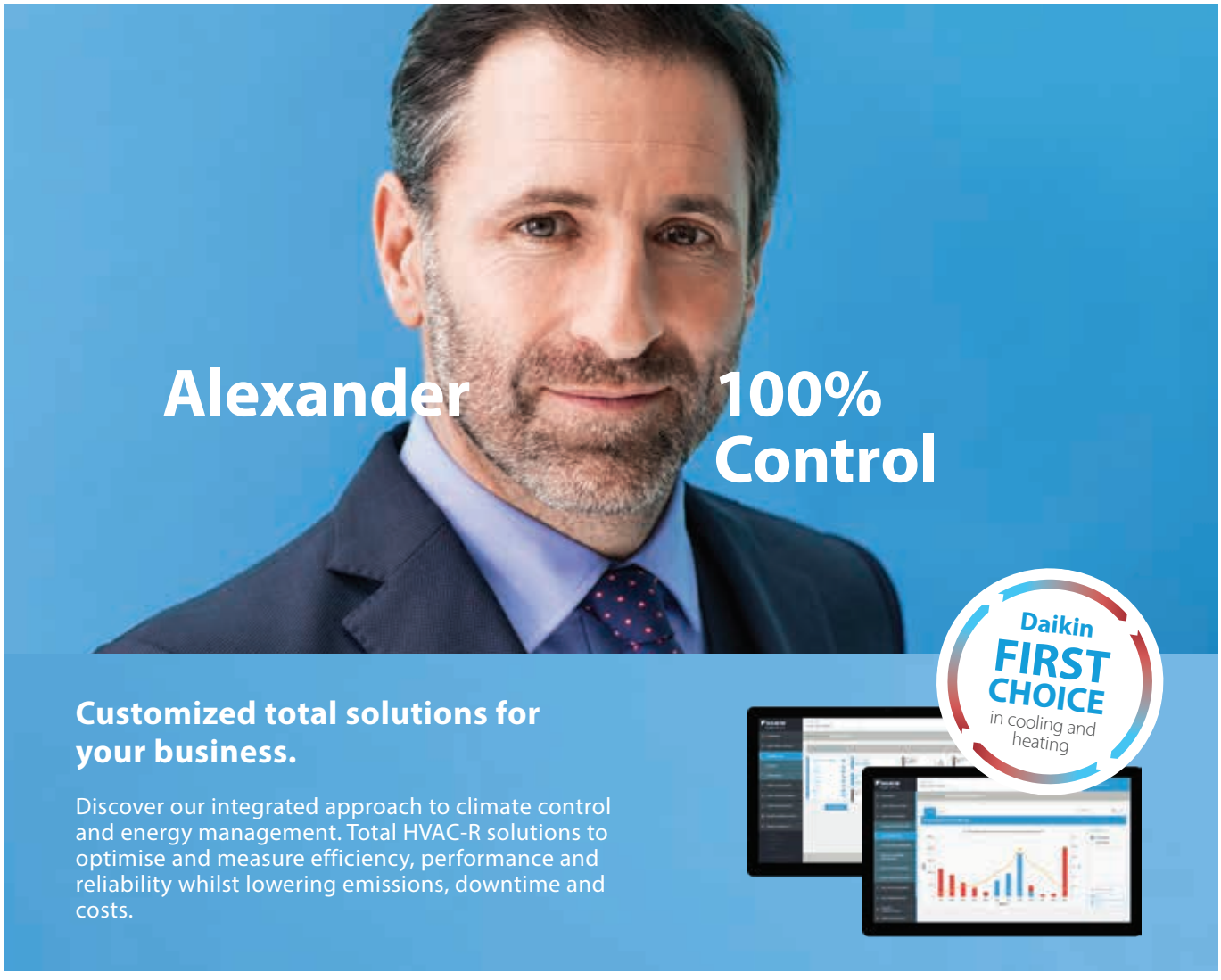
Client: VMD Business Centre Tower B, Zagreb
Start of Energy-Saving Control: January 2019
Solution and system components: 57 VRV IV heat pumps, 685 ceiling cassettes, 2 intelligent Touch Manager units
Year of installation: 2014/2015
Total capacity: 2.400 kW
Reduction results: Expected reducing of power consumption 15-20%.
Control overview: Reducing of power consumption with no effect on the indoor temperature and comfort.
Control results: Predictive and proactive maintenance, remote support.

Client: Einsteinova
Start of Energy-Saving Control: January 2019
Control overview: Besides the proven and reliable VRV systems, integral part of the solution is the cloud service especially its predictive error notification feature.
This feature ensures, that the service organisation is immediately notified not only about the occurred error, but also about the potential problems that not occurred yet.
This allows the service organisation to react quickly and shorten the time needed to solve potential problem.
As this building is not only cooled by VRV, but heated as well, this feature has special importance.

Energy control by weather data

Proper control of load for energy savings

Air conditioning loads can drastically change on a daily basis due to surrounding weather conditions and indoor loads. To prevent excessive heating or cooling, remote tuning is performed according to prevailing weather conditions.



Customized total solutions for your business.

Discover our integrated approach to climate control and energy management. Total HVAC-R solutions to optimise and measure efficiency, performance and reliability whilst lowering emissions, downtime and costs.

DAIKIN AIRCONDITIONING CENTRAL EUROPE HandelsgmbH

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Daikin Central Europe Remote Monitoring Center | Version September 2019
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