



# System and Control Solutions



The intelligent Chiller Manager is a factory-engineered control solution to manage a chiller plant room. It is responsible for the **optimal sequencing and staging** of Chillers, Heat Pumps and Multipurpose units even in a **mixed plant configuration** and in both Heating and Cooling modes. The extended control solution integrated the management of Cooling Towers and manifolded Pumps for air and water cooled chiller plant. By reaching higher plant performance and efficiency levels, the intelligent Chiller Manager is the best and qualified solution for your HVAC equipment in a wide range of **Applications**.

Daikin on Site is the unique solution for remote monitoring and smart maintenance. It allows a complete remote operation of every unit with different users and levels of access. Daikin on site is fully compatible with All Daikin Applied Europe products and it can integrate **third-party products** like **IoT devices** (i.e. IAQ sensors).

## Key Benefits

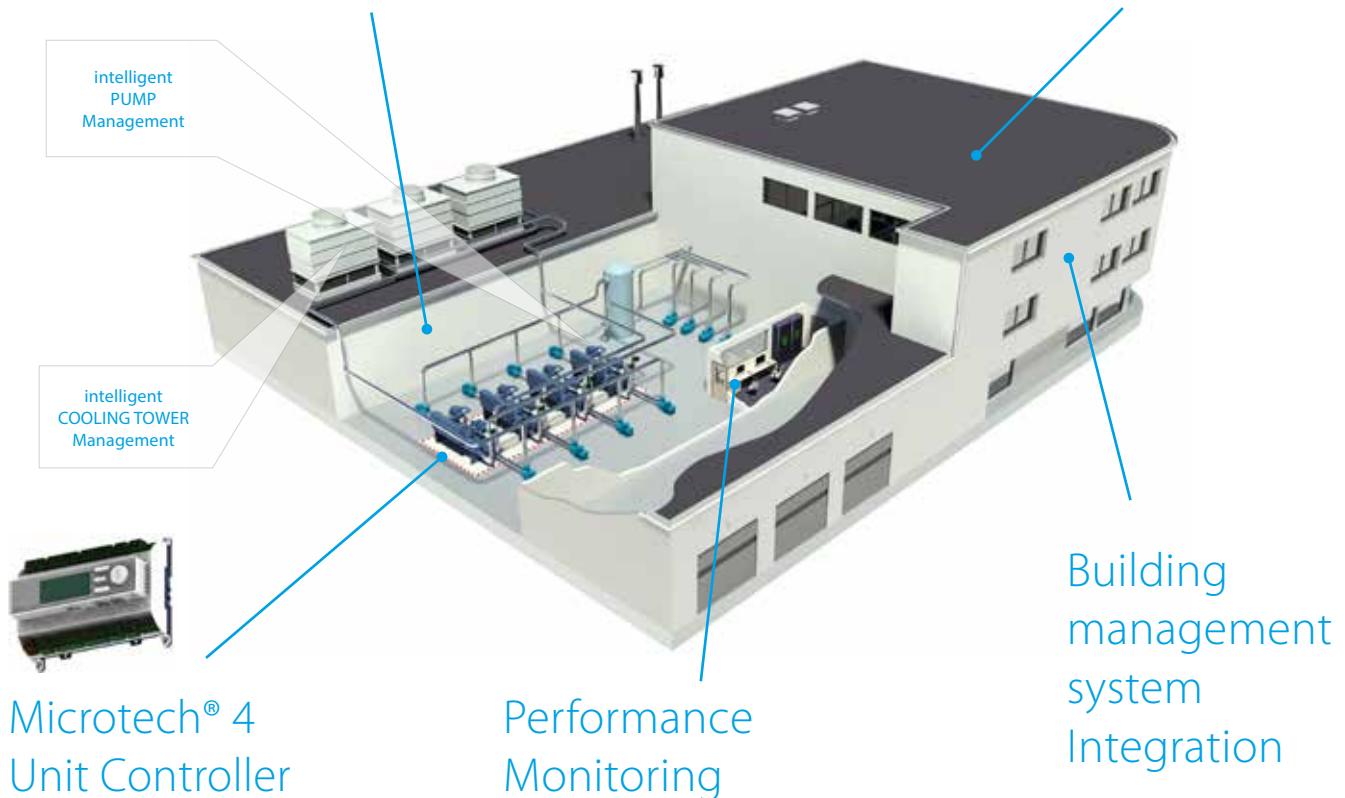
- > High performance
- > Lower energy & Maintenance Costs
- > Increase reliability & lifetime
- > Remote control and monitoring through Daikin on Site
- > **No additional installation required**

REMOTE MONITORING

REPORTING

ALARM TROUBLESHOOTING

ENERGY ANALYSIS



## Microtech® 4 Unit Controller

The new **Microtech® 4 (MT4)** controller is **faster, smarter and connected**. With the hardware improvements introduced by the new controller on all air/water cooled chillers, **advanced logics and algorithms** development at unit level are possible. Communication protocols like **Modbus** and **BACNet** are also available without any additional hardware required because the MT4 controller supports them natively.

## Performance Monitoring



With MT4, advanced algorithms implementation in the controller are possible, such as the **Performance Monitoring** (Option 186). This **sensor-less algorithm** calculates the unit cooling capacity by using refrigerant pressure and temperature readings. Electrical power is calculated either from compressor VFD power and fan, or directly measured through optional energy meter. As a standard, **no extra-hardware is required**.

## Building management system Integration



With MT4 unit the communication protocols such as **Modbus** and **BACNet** are available directly from the controller and activated from Factory when ordered or through the after-sales channel.

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