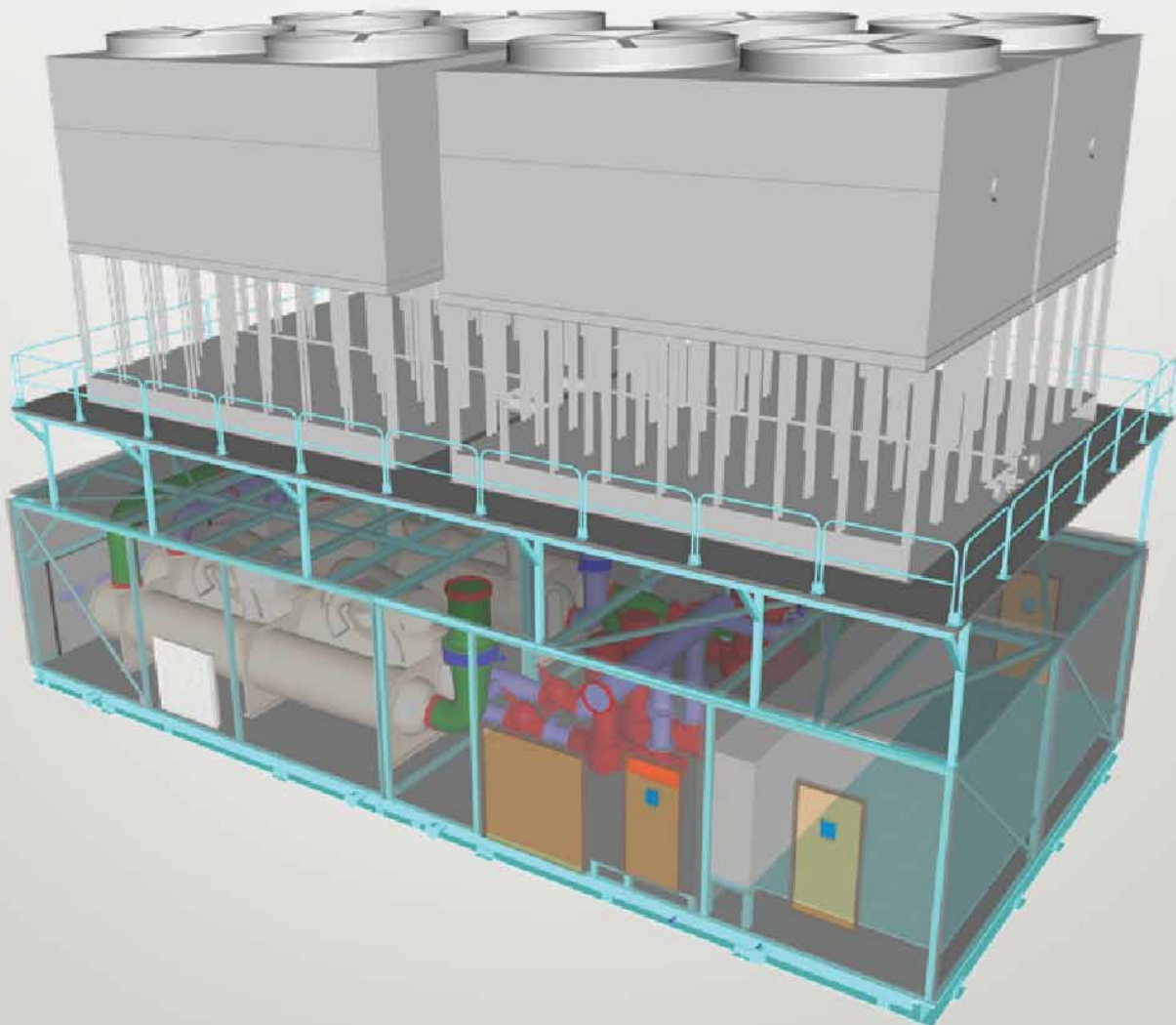




Innovative and Efficient Solutions for You

Modular Central Plant

Your alternative
to site built plants



The high Efficiency, Low Cost Alternative to Site-Built Central Plants

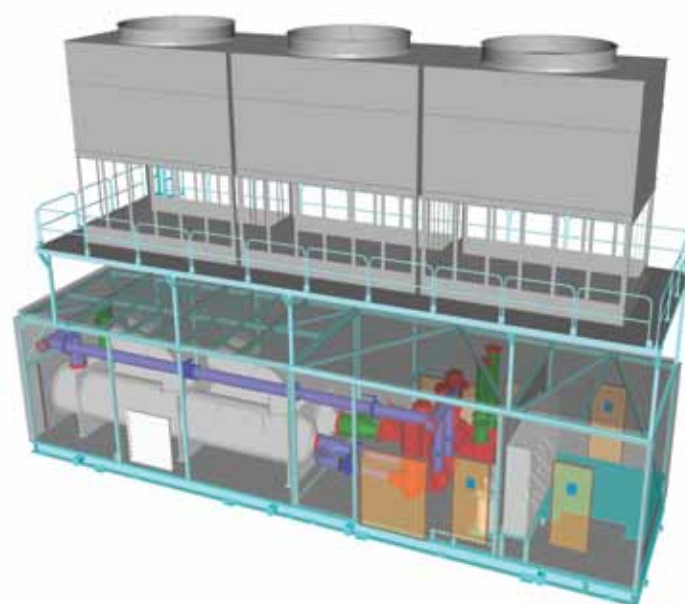
The **Daikin Modular Central Plant** combines a chiller, cooling tower, pumps and piping in a factory engineered, factory assembled package including commissioning and after sales support. This innovative system is the ideal alternative to site-built central plants when an owner desires a factory engineered solution and when space or construction schedules are critical constraints.

High Quality Design, Engineering and Construction

Pre-engineered, factory fabrication and assembly provide quality, which is consistent and in line with factory quality standards and exceeds outside field practices.

Reduced Project Cost

Modular Solutions provide better performance whilst eliminating inefficient site activities associated with a conventional plant, reducing installation time and cost. With reduced site work, the lead times are also reduced ensuring faster project delivery. A modular plant has a compact design resulting in savings of valuable land, but ensuring that the design incorporates maintenance and service access.



Improved Efficiency

Daikin Modular Chiller Plant incorporates high quality engineering to combine efficient individual components to function as a highly efficient chiller plant.

Expandable and Flexible Design

We understand that each chiller plant is unique and has specific requirements. Daikin Modular Chiller Plants offer flexibility in design and specifications to meet your individual needs. The design also incorporates flexibility of expansion of plant capacity with minimal downtime. This helps owners to phase their initial investment while providing flexibility for future expansion.

Simplified Installation

Pre-engineered and pre-assembled in a wide selection of sizes from 800 TR to 6,300 TR in a single compact module with a unique modular design that allows central plants up to 20,000 TR.

Green Refrigerant

Daikin chillers use HFC-134a refrigerant with zero ozone depletion potential and no phase-out schedule. Chiller performance can contribute to LEED® points.

Modular Chiller Plant vs Site Built

- ✓ Pre-engineered design
- ✓ Single source responsibility
- ✓ Lower first cost
- ✓ Reduced trace coordination
- ✓ Constructed in controlled factory environment
- ✓ Reduced construction lead times
- ✓ Assembled and tested prior to shipping
- ✓ Reduced labour risk
- ✓ Shorter start-up and commissioning times
- ✓ Reduced footprint
- ✓ Easy phased installation
- ✓ Can be relocated

Modular chiller Plant Application

District Cooling



Turbine Intel Air Cooling



Data Centres

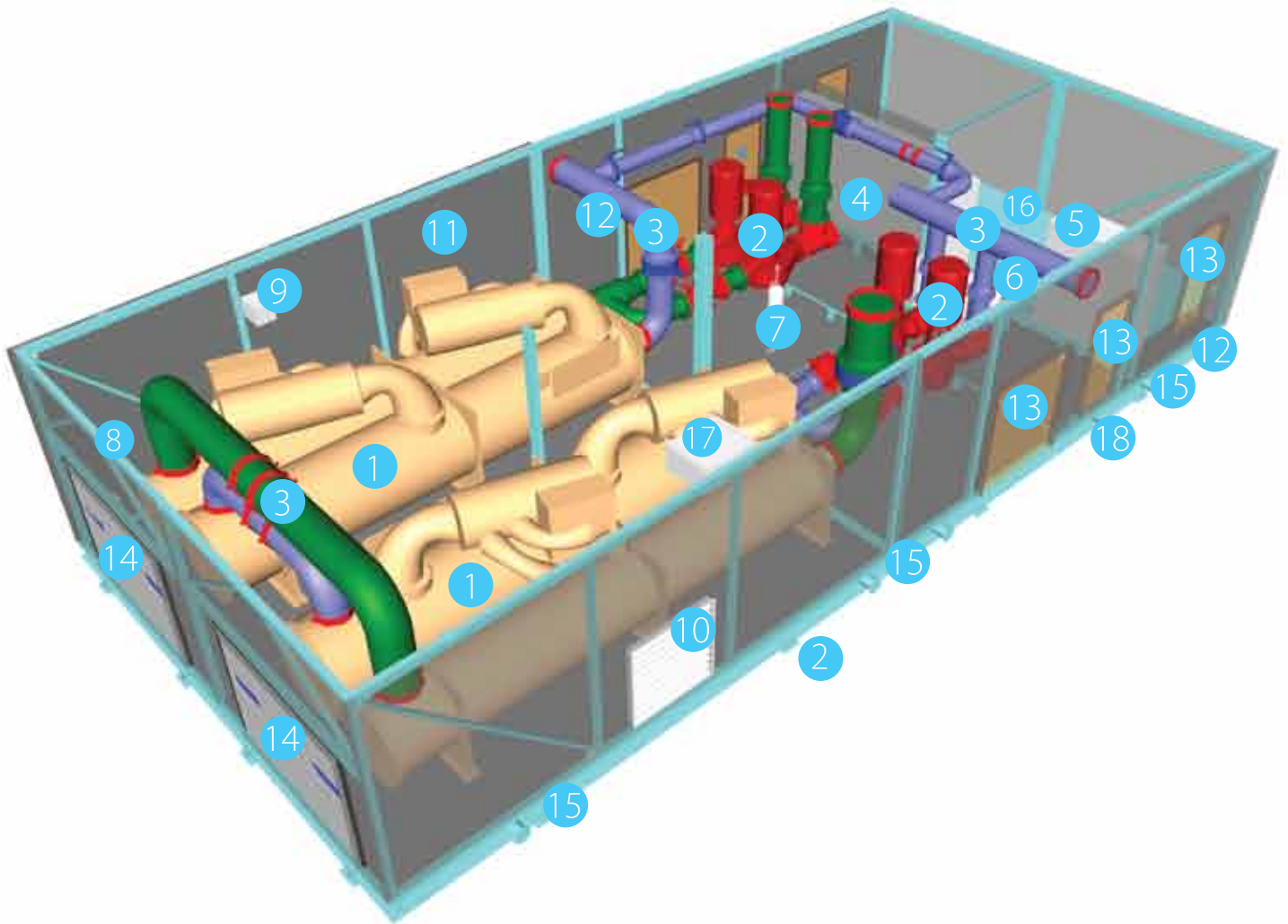


Airports, Health Care & Campus Cooling



Modular Chiller Plant





Modular Central Plant Components

- | | | | |
|----|--|-----|---------------------------------------|
| 1. | Centrifugal chillers | 10. | Intake louvre |
| 2. | Split coupled vertical inline pumps | 11. | Insulated metal panel enclosure |
| 3. | Chilled water & condenser water piping | 12. | Fully engineered structural baseframe |
| 4. | Motor control centre | 13. | Maintenance access and man doors |
| 5. | PLC control panel | 14. | Roll up access doors for tube pull |
| 6. | Chemical treatment system | 15. | Lifting lugs |
| 7. | Chemical pot feeder | 16. | Electrical room with raised floor |
| 8. | Emergency exhaust fan | 17. | Fan coil unit |
| 9. | Continuous ventilation fan | 18. | Floor drains |

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