

Cost-Effective Energy Solutions for Your Chilled Water Plant

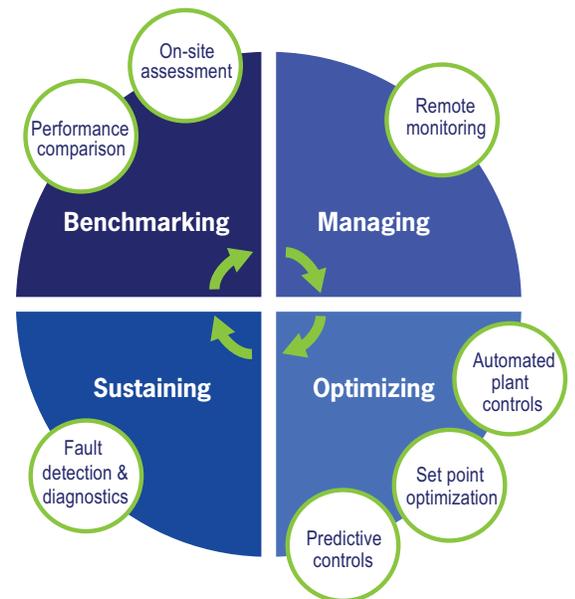


Chiller plants can consume more than 40%¹ of a facility's energy. Surprisingly, 30%¹ of the energy use is often wasted due to a lack of proper control.

Our range of chilled water plant and building HVAC systems solutions can significantly reduce energy use and enhance your operational bottom line.

BENEFITS AT A GLANCE

- Improve energy efficiency up to 25%² by optimizing pumps, fans and controls. Intelligently rearrange set points in chilled water systems to achieve 3% to 15% energy savings³
- Identify immediate remedies with a strong ROI
- Predict chiller load with advanced machine learning controls
- Automate plant operations with 24/7 remote control and monitoring
- Advanced fault detection and diagnostics that helps prioritize where to focus first by estimating the cost of energy waste per fault
- Increase plant availability through use of system-wide monitoring and data analytics to identify operational and equipment performance issues early



¹ Proprietary engineering survey with a global hospitality customer in 2018.

² Actual results from a project.

³ Based on actual operating conditions, including but not limited to local weather conditions, building type, size and usage, building envelope performance, building internal heat gains and schedules, airside HVAC system type, configuration, performance, and control, and chiller plant type, configuration, performance, and control.

Reduce Energy Expenses While Maintaining Occupant Comfort

No matter the age or size of your facility, your chilled water system plays a critical role in keeping occupants comfortable. Yet balancing occupant comfort needs with a chiller plant's energy demands can be challenging.

How can you optimize your HVAC systems to support comfortable environments while minimizing energy costs?

We can help with our chiller plant and related airside systems solutions:

1 Benchmarking

Our tools provide a performance comparison against your system design and industry standards. With our HVAC expertise, we can also perform a site assessment to quickly identify if your chiller plant and airside systems are operating optimally and provide improvement recommendations.



2 Remote monitoring

Using Carrier® SMART service, we can remotely utilize data from your chiller for asset maintenance and pre-emptively identify issues. Centralized monitoring and reporting enables managing a portfolio of chiller plants in the most cost effective manner.



3 Advanced controls

With sophisticated controls, we can automate your chiller plant and implement optimizing and predictive algorithms to dramatically optimize HVAC performance and provide up to 25%² savings.



4 Fault detection

Using system-modeling algorithms that work with all chiller brands, we can detect variances in your chiller plant. It triggers alarms, diagnoses the issue, makes recommendations, and estimates energy waste if the issue is left unresolved.



Working with the company that invented modern air conditioning

As an industry leader, Carrier brings an unmatched level of HVAC design and servicing expertise. Our skilled Carrier Commercial Services professionals can deliver a range of innovative energy solutions for your chiller plant and related airside systems, efficiently tailoring a solution to suit your needs with a strong return on investment.

To get started, contact your Carrier Service team member, who will perform a site assessment with systems engineers.



carrier.com/commercial



automatedlogic.com