

# Overcoming hidden operational shortcomings to achieve your business goals

Many chilled water systems are working far below peak efficiency, which has wide-ranging effects.

Businesses with inefficient chilled water system operations suffer from wasted energy.

**50%**.....  
of annual electricity use can be attributed to chillers alone, not to mention other HVAC equipment.



**30%**.....  
Extra energy that's consumed by a poorly maintained chiller to achieve the same comfort settings.



Inefficient chilled water systems often sacrifice occupant comfort as well as energy efficiency.

Uncomfortable conditions have a negative impact on worker productivity.

**9%** decrease in performance of office work associated with indoor air quality



**\$1000**.....  
Optimizing comfort systems to achieve optimum indoor conditions can improve worker productivity by as much as \$1000 per year.



Overworked building systems may put your business at risk.

More than wasted energy, aging equipment and deferred—or even ignored—maintenance further compromise operations, leading to uncomfortable conditions, poor indoor air quality, and even **unexpected catastrophic failure**.



In the event of unexpected system failure, organizations may believe that new equipment is necessary; but the truth is that **optimizing chilled water system operations** is an effective, long-term solution that may avoid significant capital outlay.

## Siemens Demand Flow<sup>®</sup>: Intelligent. Powerful. Proven.

With Demand Flow, we take a holistic approach to optimizing chilled water system operations to help reduce energy costs, ensure ongoing operational efficiency, and support healthy financial returns and long-term value.

Whether you select Demand Flow for Chilled Water (CHW) or one of our other patented solutions, we can deliver immediate results through our automated technology and built-in analytics that alleviate constraints on your internal resources while extending equipment life.

Based on our decades of experience with hundreds of global optimization programs:

**40%**.....  
annual energy savings – immediately achievable

**3**.....  
year typical payback period



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Siemens Industry, Inc.  
Smart Infrastructure  
1000 Deerfield Parkway  
Buffalo Grove, IL 60089-4513  
Tel. 847-215-1000