

## **Bridgestone/Firestone**

*Cooling Tower Replacement • Akron, OH*

***Cooling tower replacement completed with minimal business interruption.***

The Bridgestone/Firestone Information Systems operation runs 24 hours a day, 7 days a week. This allows BFIS to provide their clients with operations coverage that ranges from prime-time business hours to full-day, 365 days per year service.

### ***Challenge***

BFIS was faced with an aging cooling tower that was becoming more costly to operate. Water and electrical consumption increases and difficulty in maintaining and servicing the tower made the need for replacement increasingly more apparent.

The greater issue, however, would be completing the project with the least possible downtime. Having the tower off-line for a significant amount of time would negatively impact the round the clock operations that BFIS prides itself on. Not only were monetary losses at stake, but the reputation of BFIS to provide its customers with support 24 hours a day, 7 days a week.

### ***Solution***

With these concerns in mind, Gardiner Trane designed the replacement installation in a manner that would allow for the new cooling tower to be placed into operation during one weekend. This time line would drastically minimize the possibility of downtime for BFIS.

The project team carefully considered orchestrating a smooth removal and installation of the cooling tower to enable quick start-up and ensure ease of service in the future.



**Bridgestone/Firestone • Akron, OH**

BFIS provides information processing and infrastructure-related services for mainframe, mid-range and open systems platforms; network engineering and management services; and printing and lettershop services.

### ***Building Specifications***

#### **Building Type**

Class "A" Data Center

#### **Facility Operation Schedule**

24 hours/day; 365 days/year

#### **Operational Considerations**

Critical Temperature & Humidity Control

#### **Services & Facility Use**

Data Storage & Server Outsourcing  
Network Management  
Help Desk Support

# Bridgestone / Firestone

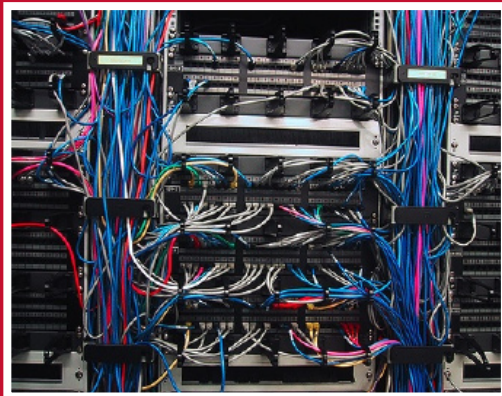
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## *Results*

The cooling tower replacement was accomplished well within the expected time frame. In fact, the new tower was operational in just three hours. The project was performed with precise timing to ensure maximum uptime. Since the installation, BFIS has experienced an improved reliability with the new tower. Additionally, there has been a noticeable decrease in water consumption and electrical costs for the BFIS facility.

***“Gardiner Trane completed the tower replacement without interrupting our business, which allowed us to serve our customers without interrupting their business.”***

*Chris Dickens, Computer Operations Manager*



## *Systems Overview*

- **Data-Grade HVAC System**
  - 2 - Trane Chillers (250 Tons Each)
  - 7 - Air Handling Time
- **2 Separate Power Grids with Back-up**
- **Project Scope:**
  - Cooling Tower
  - Variable Frequency Drives
  - Control Valves
  - Access & Service Considerations

***Gardiner***  
***Trane***

*For more information on Gardiner Trane Solutions, visit  
[www.gardinertrane.com](http://www.gardinertrane.com) or contact us at 440.248.3400*