

# UPGRADED INFRASTRUCTURE CAN INCREASE COMFORT AND SAVE MONEY AT THE SAME TIME

Updating your building's infrastructure is an effective way to ensure **optimal facility performance** and occupant comfort, all while maximizing your **return on investment**.

Aging infrastructure often goes unnoticed and neglected until a catastrophic failure results in the need for immediate action. As the condition and performance of the infrastructure deteriorates, various occupant complaints materialize. These range from simple hot and cold calls to more serious service interruptions. Simultaneously, operating costs typically mount due to both efficiency losses and increased maintenance and repair costs. These add burdens on the facility management team, increasing reactionary maintenance and limiting proactive facility operations. In some cases, infrastructure that was built decades ago continues to work but is antiquated and does not meet today's mission critical requirements. Service demands for the space change, such as the need to add air conditioning to residence halls or the repurposing of space that requires alternative ventilation or air quality requirements.

Aramark's Infrastructure Services provides turnkey solutions to our client's infrastructure needs. Our project team takes the time to **fully understand the needs** of the facility space, existing deficiencies, and solution alternatives. Then, we develop **targeted and financially responsible solutions** that match program goals. We leverage our partnerships and relationships with a wide variety of engineering firms and skilled labor contractors and partner with those best able to deliver the project on time and within budget.

Aramark's turnkey approach provides a single point of responsibility for project cost and schedule. It also allows for an accelerated project delivery to meet tight deadlines, rapidly addressing infrastructure challenges.

## Positive Outcomes from Updating Your Building's Infrastructure:

- Decrease deferred maintenance and repair costs
- Improve building system reliability and efficiency
- Remove management distraction
- Achieve building goals
- Increase safety and reduce risks
- Ensure optimal building comfort for all occupants
- Cost effective results

# IMPROVING BUILDING INFRASTRUCTURE BENEFITS IN ACTION



## LONG ISLAND UNIVERSITY

### REDUCED ENERGY COSTS & IMPROVED SPACE COMFORT CONTROL

Aramark provided turnkey services to replace steam baseboard heat and window air conditioners with a water source heat pump system in a residence hall. Installing high efficiency condensing boilers in a rooftop boiler room to provide supplemental heat allowed this 16-story, 239,00 GSF building to be removed from the aging campus central steam plant and abandon the leaking steam and condensate piping connecting the building to the plant. This will allow the client to realize reduced energy costs and improved space comfort control which will enhance the overall student experience.



## CUNY GRADUATE CENTER

### ENERGY COSTS REDUCED BY 170,000 A YEAR

Aramark provided design and construction management services to replace a three cell, 3,000-ton cooling tower on the roof of the CUNY Graduate Center. This also included the upgrade of the building automation systems and retro-commissioning of the building HVAC control systems. Critical to success was replacing the cooling towers on schedule prior to a 7-week NYC moratorium on crane work. The project will reduce energy costs by approximately \$170,000/year and improve comfort and building operator effectiveness.



## VIRGINIA COMMONWEALTH UNIVERSITY MEDICAL CENTER

### IMPROVED SERVICE RELIABILITY FOR CRITICAL HOSPITAL FUNCTION

Aramark provided turnkey services to replace a 70,000 CFM air handling unit serving VCU's clinical services laboratory. The new custom-built unit provides 100% outside air with plate and frame air to air heat exchanger and fan wall technology. The clinical labs contain dozens of lab hoods which operate 24/7 and require continuous make up air. To minimize airflow interruption to the space, Aramark developed a two-stage construction strategy that enabled complete unit replacement with only three 4-hour airflow interruptions to the labs over a 4-month construction period. The new unit significantly improves service reliability to a critical hospital function while also increasing energy efficiency.



## CONCORDIA COLLEGE OF NEW YORK

### INCREASED ENERGY EFFICIENCY SAVES \$10,000 A YEAR

Aramark replaced a nearly 50-year-old hot water baseboard heating system in Rippee residence hall with a two-pipe fan coil system served by high efficiency condensing boilers. This system is equipped to provide cooling via a future air-cooled chiller. Critical to the project was an accelerated schedule to renovate the building over the summer break. To meet this schedule, Aramark pre-purchased the fan coil units and boilers as the final design and pricing was complete. This allowed the project construction to be completed in only 10 weeks. The project increased energy efficiency, saving nearly \$10,000/year while also improving comfort for a better student experience.



## UPMC SUSQUEHANNA HEALTH SYSTEM - MUNCY VALLEY

### IMPROVED SYSTEM RELIABILITY, COMFORT CONTROL & ENERGY EFFICIENCY

Aramark provided turnkey services for the design and replacement of a 12,000-air handling unit (AHU) and 70-ton air cooled chiller serving an operating suite at UPMC's Susquehanna Health System facility in Muncy Valley, PA. The project also included the upgrade of about 30 pneumatic constant volume reheat terminal units to direct digital control connected to the native building automation system. It was critical to the project that the operating rooms operate five days per week and could only be closed down for an extended period of time. Aramark's project team implemented a strategy that replaced the AHU in one three-day weekend and the chiller in a second three-day weekend. Aramark started the work late Thursday night of both weekends, and by Sunday afternoon the work was completed. The systems were up and running ready to serve operations for scheduled Monday morning surgeries. The project provided much improved system reliability, comfort control, and energy efficiency without interrupting operation of a primary revenue generating area of the hospital.

Aramark can help identify existing problems and develop targeted and affordable solutions to meet your needs.

