



# The Boys & Girls Clubs of Boston achieve greater comfort and energy savings with HVAC upgrade

THE BOYS & GIRLS CLUBS  
OF BOSTON



## HVAC KNOW-HOW: OPEN PROTOCOL

FMC uses products that support open protocol. This allows all building systems devices to communicate with each other regardless of manufacturer, providing the flexibility to extend a building system's functionality with minimal cost.

FMC Technologies (FMC) partnered with the Boys & Girls Clubs of Boston (BGCB) to bring precise environmental control and cost-efficient operation to three club locations. With their Chelsea, Roxbury, and Charleston clubs not meeting their standards for occupant comfort, BGCB worked with FMC to upgrade their HVAC control system while meeting their budgetary needs.

### BALANCING COMFORT AND BUDGET CONSTRAINTS

BGCB is a community nonprofit known for its mission to help young people build strong character and realize their full potential as responsible citizens and leaders. One of the main parts of achieving this mission is creating a safe, comfortable place for youth to go when they are not at school. Unfortunately, at three BGCB locations, the outdated and inefficient HVAC systems were negatively impacting the comfort of the space. This situation was further complicated by the fact that, as a nonprofit, they had a tight budget for facility upgrades and maintenance. BGCB needed an HVAC solution that could help them continue to do their important work while keeping solution implementation costs low.

### CREATING RESOURCEFUL SOLUTIONS

Looking for an expert in building energy solutions, Al Zarthar from BGCB reached out to FMC to assess their clubs in Chelsea, Roxbury, and Charleston and determine a cost-effective way to meet their needs. During the site assessments, FMC evaluated the current building control systems, analyzed operational costs, and provided recommendations for an energy management system (EMS) upgrade that would fit BGCB's budget and capacity for ongoing management.

In the implementation of the EMS upgrade, FMC found several ways to deliver a complete HVAC control solution while minimizing costs. FMC was able to integrate new equipment with existing building control systems and repurpose control equipment whenever possible. FMC also used open-standard hardware and software, so BGCB would have flexibility in HVAC equipment vendors for future upgrades. Lastly, FMC provided training to the clubs' facilities managers, so they could utilize the EMS to its full energy-efficiency and cost-saving potential.

### REALIZING ENERGY SAVINGS

The result of FMC's work was a user-friendly EMS that restored control over indoor temperatures and provided energy savings. And for BGCB, these savings are critical for achieving their mission. Money saved in the operation and maintenance of their HVAC system is money that can be directed back into the meals, enrichment activities, and program materials young people look for and find in their safe, comfortable local club.

## About FMC

FMC Technologies provides advanced building systems that reduce building operating expenses, increase productivity, and provide a safe, comfortable working environment.

## Contact Us

- 978.856.7862
- FMC-Technologies.com
- 27 Industrial Ave., Unit 6  
Chelmsford, MA 01824