

**NYSERDA**

BUSINESS PARTNERS PROGRAM

CASE STUDY

## TAG Mechanical Systems

Syracuse, NY

*TAG says Quality Maintenance training and tools help the business truly differentiate itself from HVAC competitors.*

### BACKGROUND

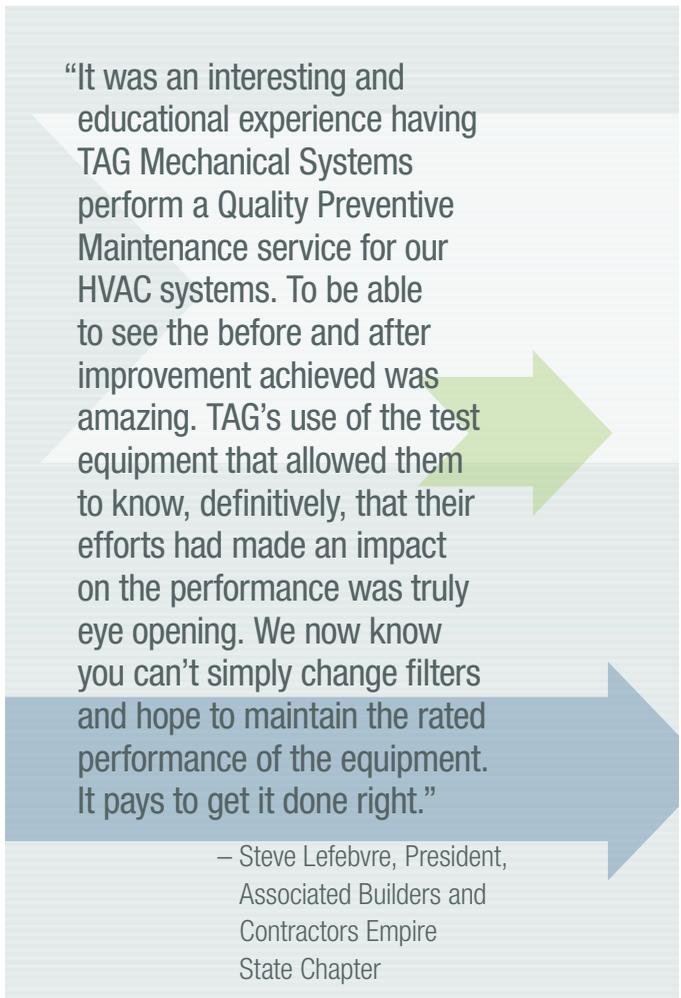
As a participating Partner, TAG Mechanical Systems trains their technicians to provide commercial air conditioning service that meets the ANSI/ASHRAE/ACCA Standard 180 for Quality Maintenance. The NYSERDA HVAC Business Partners Program supports quality commercial HVAC contractors who are trained to provide maintenance and installation services that meet this standard.

Using digital, data-based diagnostic tools, TAG's technicians not only improve commercial HVAC rooftop system performance and efficiency, but also ensure healthy air quality and comfortable temperatures. This enhanced service allows TAG Mechanical Systems to:

- Optimize system efficiency.
- Increase customer comfort.
- Help customers manage maintenance costs.

### PROJECT RECOMMENDATIONS

TAG Mechanical Systems performed a Quality Maintenance project on a five-ton rooftop unit at Associated Builders and Contractors in East Syracuse. The advanced diagnostic tool provided Brian Bulriss, a TAG's senior technician, with real time-data showing that the unit's



“It was an interesting and educational experience having TAG Mechanical Systems perform a Quality Preventive Maintenance service for our HVAC systems. To be able to see the before and after improvement achieved was amazing. TAG’s use of the test equipment that allowed them to know, definitively, that their efforts had made an impact on the performance was truly eye opening. We now know you can’t simply change filters and hope to maintain the rated performance of the equipment. It pays to get it done right.”

– Steve Lefebvre, President,  
Associated Builders and  
Contractors Empire  
State Chapter



air flow and refrigerant levels were not within the proper operating parameters. From this data, and with his technical training, Brian was able to identify and correct other items to:

- Increase efficiency.
- Stop air leakage.
- Improve refrigerant operating parameters.

## RESULTS & BENEFITS

After using the diagnostic tool and following the Quality Maintenance standards, Bulriss was able to re-establish the manufacturer's published operating standards by repairing, replacing, cleaning or adjusting items such as air leakage, refrigerant charge, fan belt, coil surfaces and drain pan. As a result, Associated Builders and Contractors is expected to save as much as 20 percent in rooftop air conditioning system operating costs.

Bulriss said, "I appreciate NYSERDA's HVAC Partners Program because it allows me to spend the right amount of time on a piece of equipment, and do my job right." He believes that focusing on Quality Maintenance standards will enhance the company's service agreements while increasing customer and employee satisfaction. "By participating in NYSERDA's program we are now able to expand our business model to incorporate these enhanced services, and we now have the tools to differentiate ourselves from other HVAC contractors," he added.



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