

# **TRIATEK®** Laboratory Control Solution **McWHORTER TECHNOLOGIES, Inc.**



**Location:** Carpentersville, IL  
**Built:** 1997  
**Owner:** McWhorter Technologies  
**Address:** 400 East Cottage Pl  
Carpentersville, IL 60110  
**Uses:** 2 large labs used for  
chemical testing of  
paint dyes

**TRIATEK  
Product:** 48 HMS-1600  
Hood controllers  
2 FMS-1630  
Room flow controllers

**Reference:** Tom Marcell,  
Controls By Santucci, Inc.  
Arlington, IL

McWhorter Technologies, Inc., a leader in developing new paint dyes for paints used throughout the world in many high profile installations chose TRIATEK for its two large internal laboratories where much of its cutting edge research is done. McWhorter is an industry leader in developing long lasting and consistent dyes for paints that strongly adhere to the surfaces they are applied to.

Their two laboratories have 24 fume hoods each that are pneumatically controlled using blade dampers. McWhorter chose TRIATEK to control their labs with its room flow control technology that provides precise closed loop control of its labs with through the wall sensing that monitors and maintains desired offsets in the laboratory with reference to the space outside the laboratory. This offset is accomplished without needing the complex summing equipment and "built-in" error inherent in typical room volumetric measurement approaches used in laboratories today.

#### Issues:

1. Safety
2. System Design Flexibility
3. Cost effectiveness

#### TRIATEK Solutions:

1. McWhorter chose TRIATEK to control their laboratories with its room flow control technology that provides precise closed loop control of its labs with through the wall sensing that references the adjoining space outside of its laboratories.
2. TRIATEK needed only one FMS room flow controller to control each McWhorter lab providing maximum flexibility in designing the laboratory without needing to provide complex flow tracking equipment to maintain required offsets.
3. Needing only two TRIATEK FMS controllers for both of their entire laboratories, McWhorter was able to save up to 60% in installation and maintenance costs by not needing to provide for the intricacies of the room volumetric approach while being able to more accurately maintain its desired laboratory pressure requirements.

To Learn More About TRIATEK Laboratory Control Solutions Please Call Us or Visit: [www.triatek.com](http://www.triatek.com)