

# CASE STUDY AIRPLANE MUSEUM



**JOHNSON**  
AIR-ROTATION® HVAC SYSTEMS



## CONTROLLED AIR, INC & JOHNSON AIR-ROTATION HVAC SYSTEMS WORK TOGETHER TO DESIGN A SOLUTION FOR AIR MUSEUM

### APPLICATION:

The Air Museum has their facility at an airport in Connecticut. The museum is an aerospace museum consisting of three display hangars, containing historic aircraft and is the largest aviation museum in New England.

### MARKET:

CONNECTICUT

### BUILDING SIZE:

3 BUILDINGS TOTALING OVER 85,000 SQ. FT.

### SYSTEM STYLE AND QUANTITY:

Three Outdoor Heating & Cooling Systems

## DESIGN AND BUILDING COMPLICATIONS

The Air Museum had not been air conditioned until it underwent a massive re-model which replaced the current heating system and added air conditioning to the buildings. Originally, the heating and air conditioning was designed for ground-mounted units with duct work, since the metal buildings could not support rooftop units. However, because of the nature of the metal buildings, even the ductwork posed problems with the structural integrity and the museum did not want duct work to interfere with aircraft display.

Controlled Air, Inc. worked with Johnson Air-Rotation HVAC Systems to provide an alternative that would require no ductwork or extra structural support. It was very important that the systems were quiet due to the many visitors at the museum, so the engineers designed the systems to keep the sound levels as low as possible. The museum was very pleased with the sound levels of the Air-Rotation Systems and the incredibly small degree variation from all three buildings.



Manufactured  
in the USA



(800) 325-1303  
11880 Dorsett Road,  
St. Louis, MO 63043  
JohnsonAirRotation.com