

CASE STUDY AIRPLANE MUSEUM



JOHNSON
AIR-ROTATION® HVAC SYSTEMS

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

APPLICATION:

The New England Air Museum has their facility at the Bradley International Airport in Windsor Locks, CT. The museum is an aerospace museum consisting of three display hangars, containing historic aircraft and is the largest aviation museum in New England.

MARKET:

WINDSOR LOCKS, CT

BUILDING SIZE:

3 BUILDINGS TOTALING OVER 85,000 SQ. FT.

SYSTEM STYLE AND QUANTITY:

(3) OUTDOOR HEATING & COOLING SYSTEMS

DESIGN AND BUILDING COMPLICATIONS

The New England 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.



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Systems are Manufactured
in the USA



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