



When Sikorsky Helicopter needed a facility to paint two helicopters at once, while meeting strict air quality and fire safety requirements, they chose AECON.

Here's Why

Sikorsky Aircraft had an opportunity to land its first major military aircraft maintenance contract ever, for the U.S. Army's First Airborne Division. To win this contract, Sikorsky had to demonstrate that it was prepared to immediately build a comprehensive facility for painting helicopters.

To determine the best way to approach this project, Sikorsky contacted a spray painting system supplier, Jeffco, in East Windsor, CT. Because of the complexity of the job and the wide variety of building requirements, Jeffco called AECON to develop turn-key plans for design, construction, and process integration.

AECON Design Innovations

"In addition to satisfying the strict spec requirements," says John Morgan, AECON President, "we came up with several building design innovations. For example, due to the 120,000 cfm air intake requirement, the building required a large air make-up area. Instead of external duct work, we designed a very efficient, aesthetically-attractive plenum on the outside of the building. Air is blown up through the plenum, and forced into the paint booth through a slot in the roof. We also designed a unique "inside skin" to the main building, eliminating the added expense of internal spray booth structures."



Call Us First

AECON is an industrial and commercial design/build firm. Our services include construction management and industrial process installation. We're also regional building system representatives for United Structures of America. Let us help you save money and time on your next building project.

Owner Requirements

- 3-Month Schedule
- 1750 sq.ft. x 35' clear height
- 40-year useful lifespan
- Low-Maintenance
- Environmental Controls:
 - 60° – 90°F Application temp
 - 90° – 140°F Drying temp
 - 20 – 70% Humidity control
 - 430 Cp shadow-free lighting
 - 120,000 cfm Air flow
- Electrical supply:
 - 230/450v, 3-phase, 60 cycle
 - 460-volt wiring
 - 115v control transformer

Health & Safety Requirements

- Explosion-proof
- 1.3 gph/sq.ft. Sprinklers
- Low-Resistance electrical ground
- Emergency sink & eye-wash
- Noise less than 58dba
- Dual dry filter exhaust

Energy-efficiency

- Damped, thermocoupled air-intake for minimal fuel consumption

Regulatory Agency Requirements

- Federal, state, town building codes
- National Electrical Code
- OSHA
- National Fire Protection Assoc.

Insurance Requirements

- Factory Mutual
- Insurers Risk Institute



AECON, Inc.
123 Mountain Road
Suffield, CT 06078

860 668-0288
FAX: 860 668-2611
www.aecon.net