



# Stewart International Airport

## MEP design for high-mast lighting system and associated systems

Cargo carriers such as USPS and FEDEX rely on Stewart International Airport to help them move thousands of packages every day. The facility is in operation 24-7. Naturally, such a facility has unusually demanding lighting requirements in terms of performance and maintainability. AG came through for the client and designed a “high mast lighting system” which simulates daylight, yet does not interfere with air traffic overhead. This specialty lighting solution required a host of MEP modifications to the property in order to accomplish the client’s objectives. AG provided professional engineering services directly to Port Authority of New York & New Jersey for design of electrical lighting outside the facility and in the parking area. Design included voltage drop and short circuit calculations, low voltage distribution systems serving the lighting panels which in turn feed the new outdoor lighting.



**Location:**  
Newburgh, NY

**Owner:**  
PANYNJ

**Client:**  
WSP Group

**Completion:**  
2017

**Services Provided:**  
Mechanical  
Electrical  
Plumbing

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