

New Doha International Airport Aircraft Maintenance Hangar Facility

Doha, Qatar

Owner

Doha International Airport

Architect

Ghafari Associates

Contractor

ADCC Joint Venture

AKTOR

Al Darwish

Construzioni Cimolai Armando spa

Cybarco

Construction Support Engineer

Incide

Completion Date

2011

Construction Cost

\$250 million

Total Area

1.3 million sf



New Doha International Airport was created to accommodate Qatar's aviation needs for the next 50 years and beyond. Thornton Tomasetti is serving as lead structural consultant to the design-build contractor, including providing peer review services, for a 1.3-million-square-foot aircraft maintenance hangar facility.

The hangar complex will function as the central maintenance hub for Qatar Airway's fleet. It is composed of two hangars, one with a 600-foot span and the other with a 720-foot span. The structures can accommodate eight wide body and four narrow body aircraft, including two A380s.

The design of the structure's layout and column spacing ensures flexible aircraft parking and maximum maintenance efficiency. Mezzanine levels will allow direct access to the upper floors of aircraft. Floor-mounted docks for servicing the aircraft and overhead cranes will ease maintenance access and safety.

