



Hangar 25

Bob Hope Airport, Burbank, California



Photo courtesy of Kevin Parry

Problem

The world's first LEED® Platinum Certified aviation hangar needed to address issues regarding temperature consistency and bird habitation. Due to the hangar's high ceiling and large interior, heating and cooling were key challenges for the solar powered space. Hangar 25 needed an energy efficient cooling method that could effectively circulate air over and around aircraft in the 51,000 sq. ft. dome-shaped structure.

Solution

Seven 24-ft. PowerfoilPlus™ fans by Big Ass Fans®, solar powered to boot! PowerfoilPlus is the proven air movement solution for hangars worldwide.

Result

The increased air circulation provided by the PowerfoilPlus will be used year-round to create consistent, comfortable temperatures in Hangar 25. In the colder months, the fan speed is slowed to circulate heat that collects at the ceiling level, keeping occupants comfortable and minimizing heating costs. During the sweltering California summers, Big Ass Fans distribute gentle (3-5 mph) columns of air, creating unobtrusive breezes that make occupants feel 6-14 degrees cooler.

"We are both impressed and pleased with the ability of the PowerfoilPlus fans to work year-round: the fans cool the space when it is hot outside, and when it is colder outside, the fans recirculate the warm air at the ceiling level to create a consistent temperature throughout the hangar. Big Ass Fans also solved one of our biggest concerns –preventing birds from flying into the space and leaving droppings on the jets or on the floor."

Carlos Arriola,
President of Shangri La Construction



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