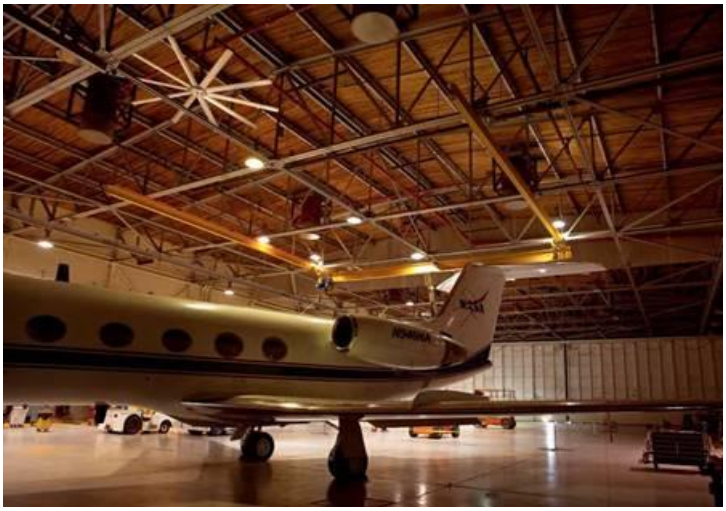
NASA Ellington Field Hangars

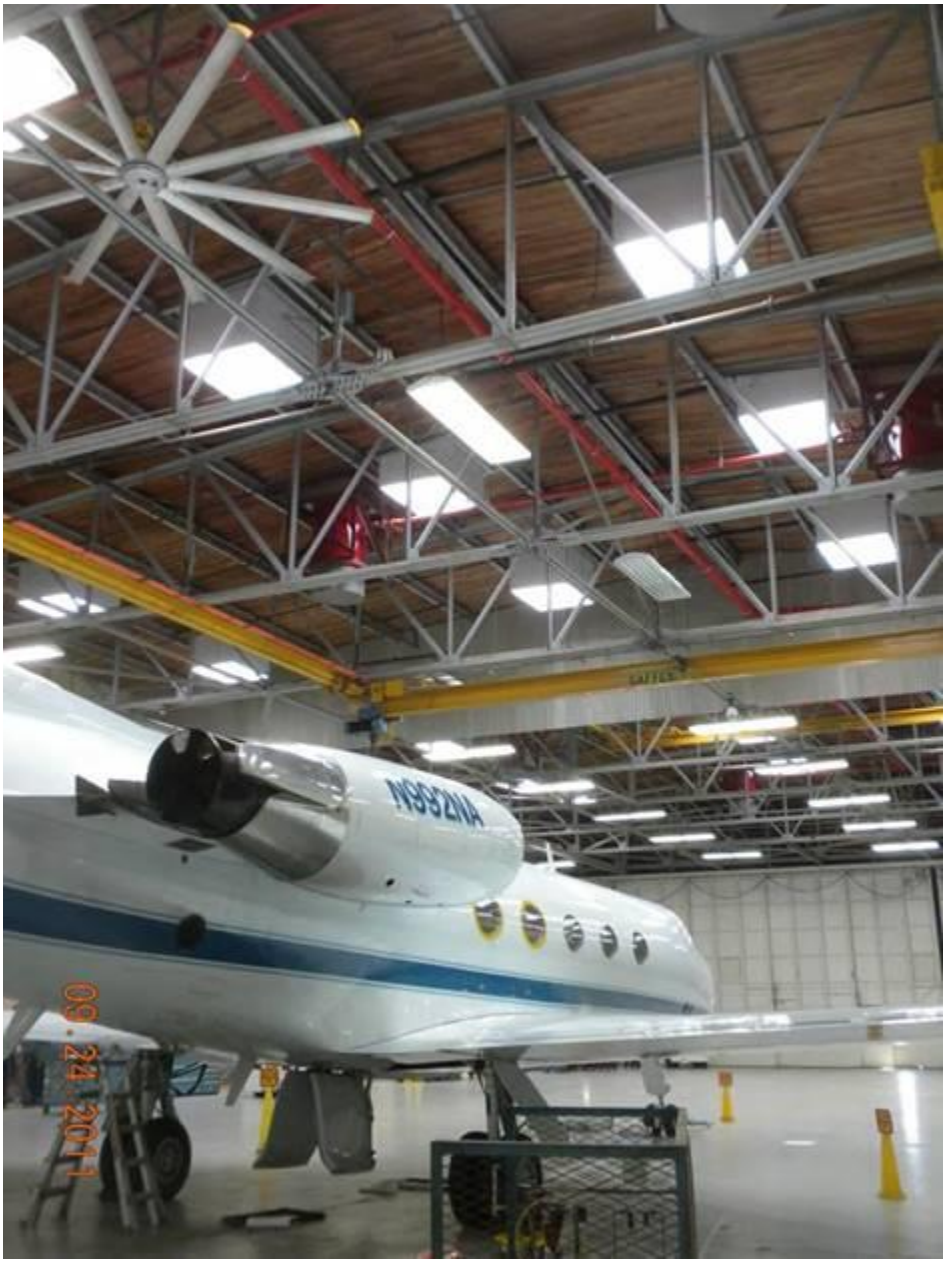
Houston, TX

The existing lighting in the hangars was a series of 400W Metal Halides as shown in the picture below.



Energy Efficient Lighting Solution

- Daylight Harvesting units (as opposed to typical skylights) direct high levels of daylight down reflective wells and diffuse the light properly into the interior of a building to reduce the need for electric lighting. These, in conjunction with replacing inefficient light fixtures, significantly reduce energy consumption. Many existing hangers and buildings employ older-generation lighting fixtures that are less efficient and don't provide adequate light. An LED or fluorescent fixture draws less than half the power drawn by a typical 400-Watt HID (high-intensity discharge) fixture while providing the same or more light. Lighting controls play a pivotal role in ensuring energy savings. The control system optimizes the interior lighting conditions while minimizing electricity usage. Daylighting sensors with digital switching technology can dim or turn off electrical lighting when the prescribed foot candles are met by day lighting units. A picture of the hangar after commissioning has been provided on the next page.


N992NA
09 24 2011