

# Night Vision Systems Test House



**The Night Vision Systems Test House provides a safe and controlled, spectrally correct environment for electro-optic assessments of systems in a variety of aircraft.**

The facility offers a wide range of cost-effective and repeatable ground tests in various ambient illuminations and conditions.

**Our expertise and capabilities in the Night Vision Test House allow us to examine:**

- Night Vision Goggle range determination
- Night Vision Goggle visual range calculations
- Reflections
- Lighting compliance with MIL-STD-3009
- Night Vision Goggle checks
- Cultural lighting
- Thermal imaging measurement

**Features include:**

- 36m x 22m x 8m Hardened Aircraft Shelter
- Capable of housing small fixed wing, rotary and fast jet aircraft
- All sources of external light are excluded for blackout conditions
- Can produce calibrated and controlled night sky illumination from overcast starlight at  $3.9 \times 10^{-4}$  NVIS Radiance, to full moon light conditions at  $15.0 \times 10E-2$  NVIS Radiance
- NightSky projector emits spectrally correct light for overcast starlight and low light conditions
- Apex Moon enables the reproduction of a large number of representative skies
- Horizon Moon simulates low level elevation moonlight