

HCS Group leadership maintains a long-term team relationship providing engineering, design, commissioning and technical services to airfield facilities. Our Team successfully serves the aviation industry worldwide at airfields, airports, Air Force Bases, Heliports, training bases, etc. by providing engineering in support of military and commercial programs.

HCS Group Airfield Design Team members have years of experience in performing engineering for airfield lighting, visual and instrument navigational aid systems (NAVAIDS), flight simulators, and airfield infrastructure including touch screen state-of-the-art base wide airfield lighting control systems. Systems include:

- Runway edge lighting, medium and high intensity, runway in-pavement touchdown zone and centerline lighting
- Taxiway edge and centerline lighting
- Approach lighting systems
- Airfield guidance signage and Runway Distance Markers (RDM)
- Precision Approach Path Indicator (PAPI)
- Visual Air Navigational Facilities
- Instrument Landing Systems (ILS)
- Very High Frequency Omni-Directional Radio Range (VOR)
- Airfield lighting control systems
- STOVL landing pads
- Carrier Simulation LHD/LHA – Seven Deck
- Optical Landing System (VSTOL OLS)
- Wave-off/cut lighting systems
- Apron flood lights

HCS Group projects include support facilities such as the following:

Aircraft Maintenance Hangars and Nose Docks (E3 AWACS)
 Aircraft Maintenance Hangars – JSF F-35
 Aircraft Maintenance Hangars – USAF F-22
 Aircraft Maintenance Hangars – Rotor Wing
 Air Traffic Control Towers
 Enclosed Engine Noise Suppressors
 Squadron Operations (Squad Ops)
 Aircraft Maintenance Unit (AMU)
 Arm/Disarm Pads & Ammunition Bunkers

Aircraft Ground Equipment (AGE)
 HAZMAT, LOX and Aviation Fueling Facilities and Storage
 Fire/Crash Rescue Facilities
 Aviation Fueling Facilities & Storage Systems
 Rotor Wing Hot Refuel Pads
 Helicopter Wash Racks
 Fixed Radar Sites
 Tethered Radar Sites
 Anti-Terrorism & Force Protection (AT/FP)



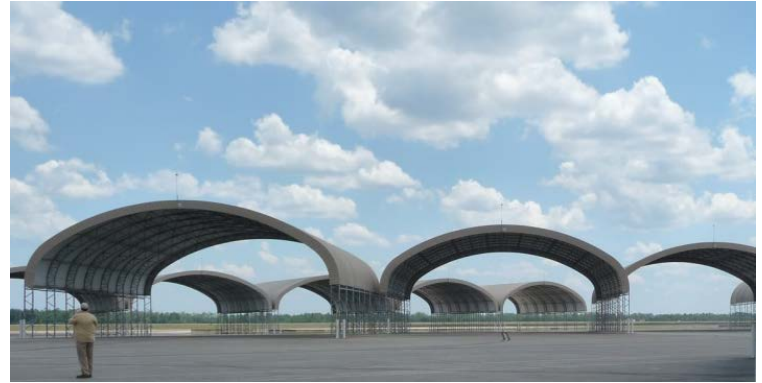
**F-35 STOVL Simulated Carrier Practice Landing Deck
 Eglin Air Force Base, Duke Field, Florida**



**Forward Operation Location
 Manta Air Base – Manta, Ecuador**



**Enclosed Engine Noise Suppressors
Hurlburt Field AFB, Florida**



**Eglin JSF-35 Apron Upgrade
Eglin Air Force Base, Florida**



**Aircraft Hangar and Fire Station, Brunei Shell
BSP S-92 Hangar Anduki Airfield, Brunei**



**Larandia Heliport
Larandia, Colombia**

HCS Group provides concept analysis through final design and implementation services with our highly qualified team and has worked on airfield projects throughout the USA and OCONUS working on major programs including but not limited to the following:

- JSF-35 Program: Eglin AFB Hangars, Airfield upgrades and Munitions projects
- JSF-35 Program: Duke Field Airfield Upgrades , new STOVL and Practice Landing Deck
- F-22 Program: Tyndall AFB Hangars, Airfield upgrades and Munitions projects
- Twelfth Air Force (12th AF): New Forward Operation Location (FOL), Manta, Ecuador
- SOCSOUTH: Headquarters Master Plans and Facility Designs – Homestead, FL
- SOCSOUTH: Renewable Energy Programs in Central America
- Republic Of Colombia: Plan Colombia (Airfields, Heliports, Base Camps, etc.)
- Republic of Peru: Air Bridge Denial (Airfields, Heliports, Base Camps, etc.)
- SOUTHCOM: Renewable Energy Programs in Central America
- SOUTHCOM: Counter Narcotics Infrastructure – Latin America
- SOUTHCOM: Humanitarian Assistance Program (HAP) Projects