



Excellence in
Naval Engineering

CARRIER CAPABILITY

VISUAL LANDING AIDS FOR ROTARY WING, FIXED WING & UAV OPERATIONS

SAFETY AT SEA



Aeronautical & General
Instruments Limited

BRINGING INNOVATION TO LIGHT

AGI's Visual Landing Aids are specifically designed to meet the requirements of larger carrier-type vessels operating both rotary, fixed wing and UAV flight operations.

The ability to safely operate and recover aircraft in all weather conditions during both day and night is essential to today's modern Navy. A fundamental element of this requirement is the guidance along the correct approach path to the vessel and the transfer of the aircraft safely onto the ship's flight deck.

AGI specialise in the delivery and commissioning of Visual Landing Aid solutions that reduce pilot workload and extend the operational capability of the vessel. AGI's carrier lighting represents the largest fully integrated system fitted on some of the world's largest carriers today, designed and tested to support the extreme environmental characteristics of Jet Efflux from the JSF F-35B STOVL fighter jet aircraft.

KEY FEATURES

- Products uniquely Jet Efflux tested and approved for use with the F-35B
- Suitable for both aided (NVG) and unaided use
- Low power consumption
- Long life LED light sources – typically 100,000 hours

SUPPORTING SAFE RECOVERY AND ON DECK MANOEUVRABILITY

AGI's fully integrated Visual Landing Aid system is designed to support every stage of the landing process and aircraft manoeuvres on deck.

A typical lighting solution comprises a Glide Slope and Long Range Line-Up Indicator System (GLIS), complemented by integrated Deck Lighting that supports a rolling landing on deck. All products work in harmony to assist the safe recovery of fixed and rotary wing aircraft operating with the latest Night Vision Devices (NVD). Both manned and UAV flight evolutions can also be performed from the same flight deck. With the aircraft on deck, AGI's large display systems enhance flight deck communications with visual command data.

A fully integrated, proven solution designed to support high-tempo operations for the safe recovery of aircraft, maximising your future global capability.

Lighting solutions include:

LONG RANGE ACQUISITION

Allow high speed jet aircraft to acquire visual recognition of the flight deck from increased distances.

SAFE DECK PARKING

Indicate where to park safely after completing flying operations.

ISLAND FLOODLIGHT

Illuminate the maintenance area near islands.

FLIGHT DECK ACCESS

Indicates safe entry or no entry to the flight deck.

CATWALK

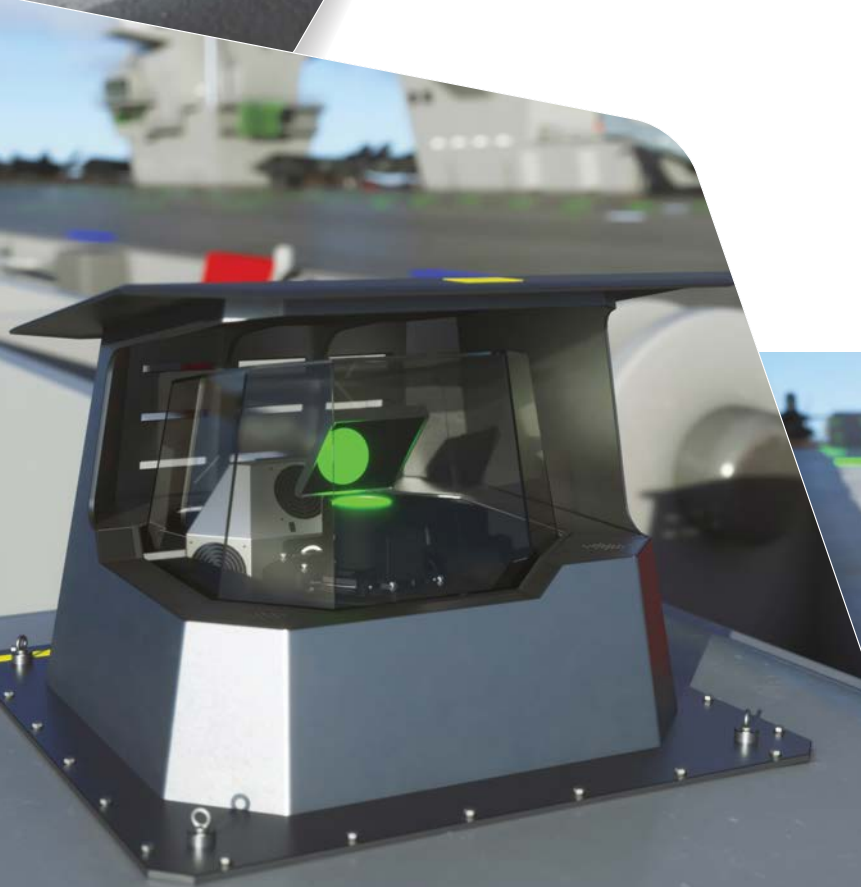
Used to safely illuminate the catwalk areas around the outside of the flight deck.

HIGH INTENSITY WAVE OFF

For use in Fast Jet operations where the Wave Off light needs to be seen over a greater distance to allow abortive action to be taken.

HIHAT SYSTEM

Provides a clear, intuitive and NVD friendly indication of hover height and relative ship movement to the pilot in the side hover position.



An expanding worldwide support infrastructure

AGI is dedicated to the through-life sustainment of our equipment – this capability is strengthened through the ongoing development of our technical support centres and overall expansion of AGI's global footprint. Our highly skilled and knowledgeable network of field service technicians enable us to deliver local on-site support.

- Dedicated returns and repairs
- Obsolescence management
- In-service support
- Spares packages
- Preventative maintenance scheduling
- Mid-life upgrades
- Training programmes

We improve the capability, availability and reliability of your most critical assets through a proactive approach from installation to end of life.



PART OF AGI HOLDINGS GROUP
International Engineering Excellence



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