



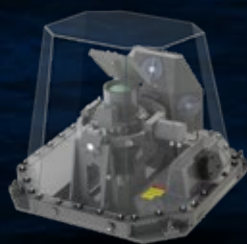
VISUAL LANDING AIDS

FOR ROTARY WING, FIXED WING & UAV OPERATION

SAFETY AT SEA



OPERATOR CONTROLS



GLIDE SLOPE INDICATOR



LED LIGHTING



TRIDENT
Maritime Systems



DAY AND NIGHT SAFER FLIGHT

Visual Landing Aids - fully integrated digital system for manned and unmanned flight deck, operational with and without Night Vision Devices for the world's most advanced navies.

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

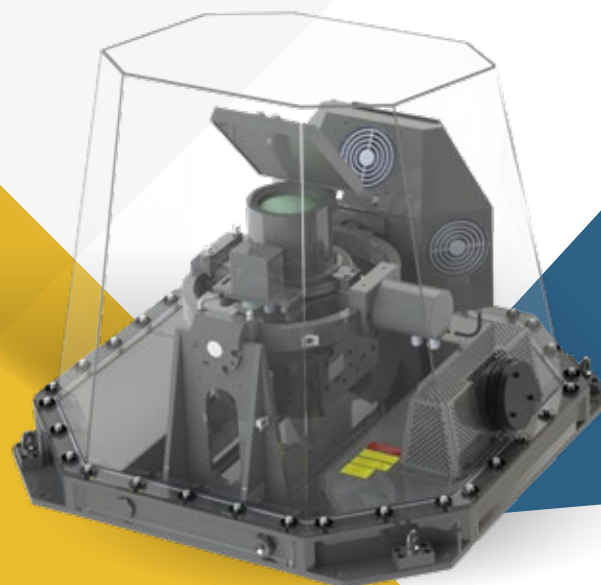
Visual Landing Aids may be used for any class of ship from a small frigate to an aircraft carrier and may comprise any combination of the equipment shown here.

GLOBAL SYSTEM FEATURES

- Operational with NVD's
- Complete off-the-shelf design
- Low power consumption
- LED based system
- Ethernet based
- Universal power supply
- Designed to support vessel refit

153
ACTIVE SYSTEMS
OPERATING WORLDWIDE

17
USED BY
NAVIES WORLDWIDE



ASGSI

ADVANCED STABILISED
GLIDE SLOPE INDICATOR

40°
WIDE BEAM

ANTI-ICE
HEATER BUILT IN

180°
ADJUSTABLE BEAM
IN AZIMUTH



ROTARY WING OPERATIONS

Visual Landing Aids reduce pilot workload, increase flight safety and the operational capability of the navy.

The system significantly improves pilot spatial awareness with the capability of supporting daytime use and simultaneous aided and unaided use at night.

Chosen by the world's most capable navies.



FIXED WING OPERATIONS

An integrated system with the capability to support the world's most advanced jet aircraft including the JSF F-35B STOVL.

Products combine to deliver advanced visual cues that fully support the landing and movement on deck of jet aircraft.

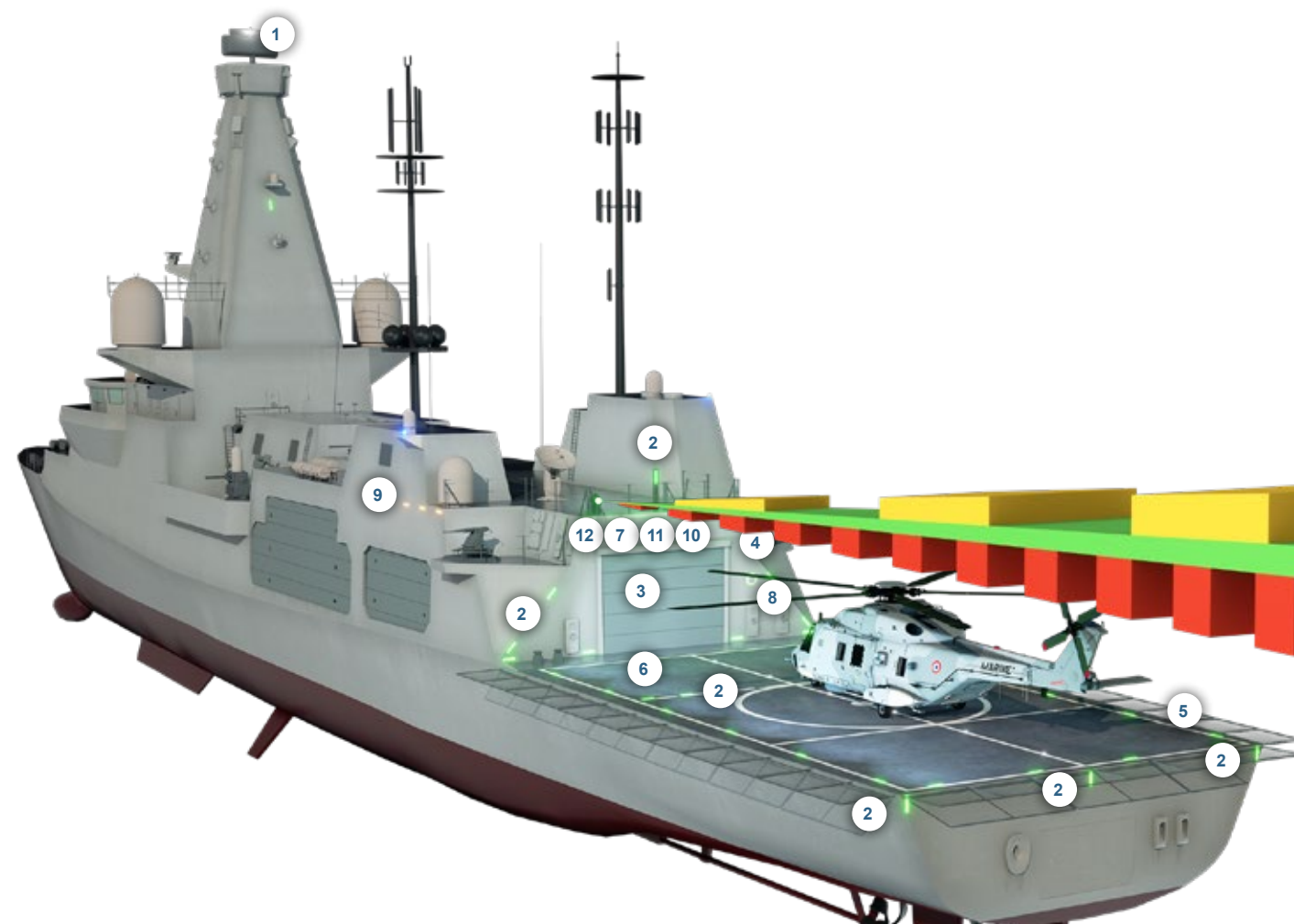
Designed to support the future capability of aircraft globally.

Integrated approach path cameras.



UAV OPERATIONS FROM NAVAL FLIGHT DECKS

- Trident's system is designed to accommodate the Airbus DeckFinder™, enabling 24/7, all-weather operations
- The integrated system enhances safety and accuracy by enabling the precise automatic take-off and landing of any UAV from and onto moving flight decks in the harshest environments



HOMING BEACON/MASTHEAD LIGHT

- Multifunction (Identification, Masthead)
- Omnidirectional light source 1000cd
- Fully encapsulated LED array



LOW PROFILE DECK LIGHT

- Marine grade polycarbonate
- Fully encapsulated
- Waterblock supply cable

Multipurpose
Edge, Eyeline,
Lineup,
Superstructure
& Dropline
Light



DIGITAL CONTROL SYSTEM

- Digitally assigned soft key and touchscreen control
- Intuitive software
- Adjustable brightness control
- NVG Filtered screen
- Fault monitoring system
- Day/night and standby modes
- Bulkhead or Panel Mount



DECK FLOOD/ WASH LIGHTS

- Modular construction
- LED Flood/Wash Light engines
- Adjustable light modules
- Waterblock cable and connection



MULTIFUNCTION PILOT INFORMATION DISPLAY

- Superstructure mounted
- Red Cross, Yellow Triangle, Green Circle and Wave-Off indications
- Fully addressable



OMNIDIRECTIONAL LED

- Marine grade polycarbonate dome
- Composite base
- Omnidirectional light source 140cd

Multipurpose
HIFR, Wave-
off, Obstacle
Light



REMOTE WAVE OFF SWITCH

- External and internal panel mount options
- Protective shroud
- Twist release reset design



PILOT INFORMATION LIGHT

- Red Cross, Yellow Triangle and Green Circle Indications
- Fully encapsulated



STOP-GO LIGHT

- Fully encapsulated
- Shrouded & Unshrouded Options



COMBINATION DECK LIGHT

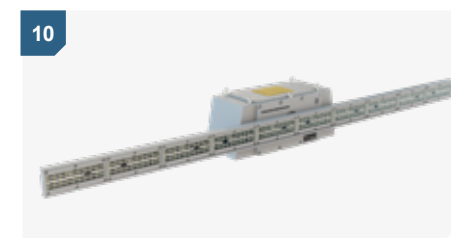
- Integral Stop-Go LED version option
- Modular construction
- Airbus DeckFinder™ ready
- Waterblock cable and connection
- Adjustable light modules

Combined
Deck Wash,
Flood,
Maintenance
and optional
Stop-Go
lighting



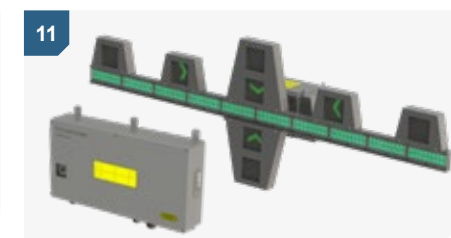
DECK FLOOD/WASH/ STOP-GO LIGHT

- Modular construction
- LED Light engines
- Adjustable light modules
- Waterblock cable and connection



STABILISED HORIZON REFERENCE SYSTEM (SHRS)

- Gyro-stabilised horizon indication
- Various mounting options
- Configurable gyro format



SHRS WITH PILOT VISUAL CUES

- Aircraft positioning indication
- Fully encapsulated LEDs
- Modular design
- Used with ASIST



OVERHEAD FLOODLIGHTS

- Deck-Superstructure and aircraft illumination
- Modular construction
- LED Flood/Wash Light engines
- Adjustable light modules
- Waterblock cable and connection

ENABLING UAV OPERATIONS 24/7 AND IN EXTREME WEATHER CONDITIONS

Trident's Combination Deck Lights are designed to incorporate a proven, GNSS-independent, high precision local navigation system, the Airbus DeckFinder™

In conjunction with the Airbus DeckFinder™ airborne segment, the integrated AGI-DeckFinder system provides enhanced safety and accuracy through a precise and automatic landing of the UAV on any moving ship deck, 24/7 and in the harshest environments



DeckFinder
READY

AIRBUS DECKFINDER™ READY
COMBINATION DECK LIGHT

VISUAL LANDING AIDS

ADVANCED VISUAL CUES

Reduce pilot workload and make flight safer

INCREASED OPERATIONAL ENVELOPE

Improved spatial awareness safely extends operations

NIGHT VISION DEVICES (NVD)

Consistent visual images, aided and unaided

REDUCED THROUGH-LIFE COST

LED systems increase availability and reduce cost of ownership

UAV FLIGHT OPERATIONS

One system to support manned and unmanned flight operations



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