

# Designed to operate in high intensity battlefields



Advanced mission flight aids as part of its operational system, providing effective performance in day, night and adverse environmental conditions. Enhanced combined vision system that includes modern piloting sensors DAS, the Electro Optical System and visor-projecting binoculars (HMSD) equipped with Image Intensifier Tubes (IITs). These three components are integrated to give the pilots navigation and optical imagery, including stereoscopic 3D images for both day and night, independently projected onto each crew member's HMSD visor, augmented with symbology like the First Limit Indicator. This setup enables a «looking-ahead» capability.

## Multi - Missions capability

- Amphibious missions
- All environment: used from Polar circle to tropical conditions
- Extended range, endurance up to 6H flight
- Drone Teaming



## A leading edge technology

- Stealthy composite construction
- Diamond shape for low radar cross section
- Fly By Wire handling qualities and redundancy

## Sensors & piloting system

- Designed for Nap-of-the-earth (NOE) in adverse environmental conditions;
- Pintle machine guns and gun pods;
- EOS Multi-sensor;
- Piloting FLIR for Tactical Flight or DAS;
- Helmet Mounted Sight/Display (HMSD-D);
- INS & GNSS sensors for higher position accuracy even in denied area;
- Tactical Systems: Electronic Warfare System; Tactical Data links, Tactical communication, Digital Map Generator.

## Improved human machine interface

- Enlarged displays size Five (5) 8"x 8" MFD
- NVG compatible
- Enhanced GPS management
- Dual DKU
- Dual GNSS Inertial Navigation System for a better crew mission efficiency
- HD displays for 3rd crew member
- Video and Ethernet Distribution in the cabin



nhindustries.com



# NH90 TTH TACTICAL TRANSPORT HELICOPTER

## THE ADVANTAGES

- Reliable**
- High Redundancy fly by wire**
- Combat proven**
- Excellent survivability & reparability**
- Major interoperability**





# The situational awareness improved

Distributed Aperture System (DAS)



Main Contributor to improved degraded visual environment (DVE) capabilities

Electro-Optical System (EOS - EUROFLIR tm 410)

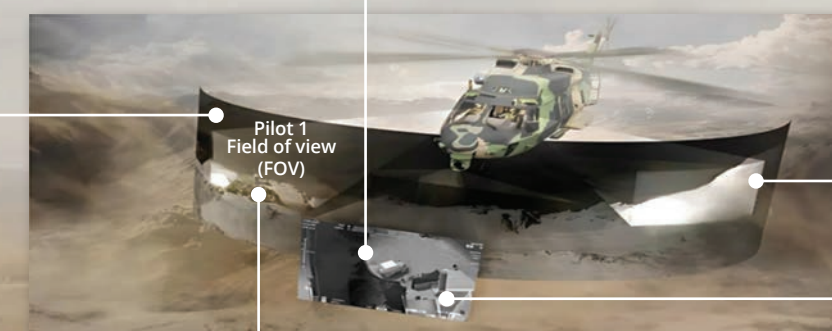


Proven system with 10 sensors including TV sensors and IR sensors

Helmet-mounted sight display-digital display (HMSD-DD)



Shared vision of both DAS and EOS at the same time



Continuous digital flow in real time shared among all crew members, pilots, gunners, loadmasters, commandos

Allows safe combat manoeuvres in poor environmental conditions

New third crew member installation and 3D new generation digital map



Enlarged Rear Sliding Window and MAG58 Installation for self protection enabling the insertion / extraction / operation through the cabin sliding door

