NIGHT VISION IMAGING SYSTEM (NVIS)

DESCRIPTION
Installation and certification of Night Vision Imaging Systems. The modification comprehends the installation of cockpit, cabin, external lighting system for use with Night Vision Goggles (NVG). The certification (of each helicopter) includes extensive ground and flight testing carried out with Airlift’s qualified flight test crews.
Airlift, as an operator, has 18 years of experience from NVG operations with AS332, AS365 and AW169 with both green and white ph. goggles.

Airlift holds 5 Supplemental Type Certificates (STC) approved by the EASA according to the latest EASA/FAA NVIS Certification Standards, for:
- Airbus Helicopters AS332 L/L1
- Airbus Helicopters AS365 N2/N3/N3+
- Airbus Helicopters EC145 C2 / H145 T2
- AgustaWestland AW139.

As per January 2019 Airlift has modified and certified 28 helicopters for the following customers:
- Airlift (AS365/SAR), Norway
- Norsk Luftambulanse (EC145/EMS), Norway
- Lufttransport (AS332/SAR, AS365/LOS, AW139/EMS), Norway
- Babcock Scandinavian Air Ambulance (AS365/EMS, EC145/EMS, H145/EMS), Sweden
- SAAB for Scandinavian Medicopter (AS365/EMS, EC145/EMS), Sweden
- Heli-One (Norway) for Icelandic Coast Guard (AS332/SAR), Iceland
- Heli-One (Norway) for CHC (AS332/SAR), Norway
- AirGreen (H145/HEMS), Italy
- NHV / French Navy (AS365/mil), France

Each installation is customized for each helicopter and cover instrument panel lighting, cockpit lighting, cabin lighting and external lighting.
The installation comprehends installation of NVG compatible lights or installation of NVG filters as necessary. NVG lighting is controlled by a dedicated NVG lighting control panel customized and programmed for the specific lighting harmonization of the helicopter.

Alternatively certifications of “NVG friendly” helicopters, delivered from manufacturers, can be performed.
INSTALLATION PLANNING
Installation can be performed by Airlift NVIS technicians or alternatively by customer’s personnel with support of Airlift’s staff. Airlift Design Office will supervise all the installation and certification process. All tests shall be performed by Airlift’s Flight Test Pilots and Flight Test Engineers.

DOCUMENTATION DELIVERED
Approval Form, installation instructions, material list, drawings, wiring diagrams, instructions for continued airworthiness, rotorcraft flight manual supplement.

KIT
The kit, customized for each helicopter, includes cockpit lights (such as Led-ramp lights, Led cannons and bezel lights), customized NVG Lighting control panel, cockpit filters, cabin lights and external lights.

APPROVAL

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CONTACT INFORMATION
For order placement or request of information contact Airlift AS Design Organisation at +47 57 71 81 00 or via email at design@airlift.no or visit our website www.airlift-doa.com.

For a complete catalogue of our EASA Part-21 Approved Changes visit: www.airlift-doa.com