



ANGELS: Safety

ANGELS is an innovative, high precision guidance system for helicopters, which provides support to VFR and IFR Approach and Landing operations in critical situations (bad visibility/weather, curved approach paths...)

Operations

- Complete ANGELS System consists of:
- Ground Station on the Helipad
 - App for iPad used by the pilot
 - Helipads Database/Cloud Services



Before the take off, the App shows the pilot a Mission Planning Display, including an Helipad Information Chart.

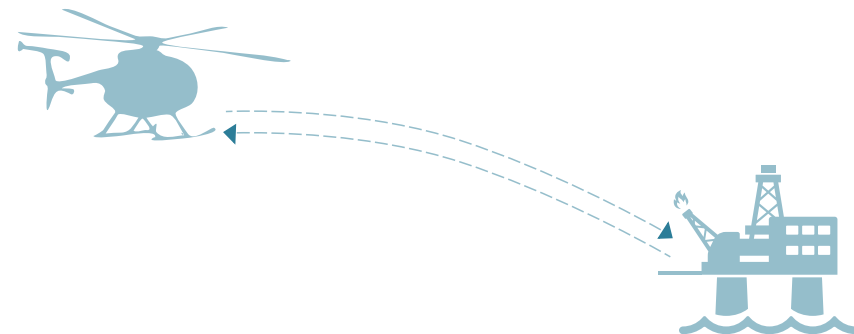
During Approach, the Ground Station transmits real-time data to the helicopter, providing the precision guidance information.

ANGELS predictive software provides extremely precise and real time information about:

- Approach Path (lateral and vertical alignment, IAF and FAF)
- Helicopter position to the Helipad (Distance, Heading, Altitude)
- Weather Conditions on the Helipad (wind force and direction)

ANGELS requires no installation of additional equipment or structural modifications on the helicopter.

The App runs on iPad without any additional equipment on board, so it can be easily used on any models of helicopter.



Missions

ANGELS is the most innovative landing system on the market today. The system perfectly fits the needs of the Offshore and Onshore Markets (Oil&Gas, Windparks, HEMS, SAR).

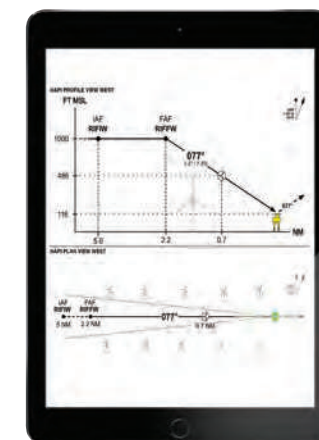
Key features:

- Reduces Pilots' Workload
- Increases Pilots' Safety
- Dramatically increases efficiency of Helicopter Rescue Operations

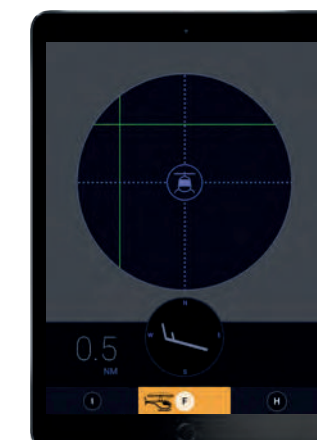
MISSION PLANNING



Helipad Information Chart



APPROACH PROCEDURE



Initial and Final Approach Display

ANGELS System ensures the compliance with the safety requirements for helicopter operations authorization and take off, even with bad visibility/weather. This amounts to a substantial increase of the percentage of successful missions.



Technical features:

- Real time data (<2sec refreshrate)
- Usable under any weather condition
- Day/Night Operations
- Local/Remote Control for NUIs (Normally Unmanned Installations)
- Compatible with Night Vision Devices
- Customized Approach Path

Angels: patent pending: n. PCT/EP2014/078554 by:



Critical Operations





The App shows real-time approach information



ANGELS

www.angels-project.eu

BY



PALU

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Introducing the Innovative Landing System



ANGELS

ADVANCED NEXT GENERATION LANDING SYSTEM