ACP

AVIATION COURSE PREDICTOR

FAST AND EFFECTIVE DECISIONS FOR HELICOPTERS & UAV

The Aviation Course Predictor is an advanced system that recommends the optimal aviation route through a realtime analysis of an extensive range of parameters such as platform movements, relative wind or waves direction.

This navigation aids allows to watch immediately the ship headings and speeds compatible with SHOL, in the nautical frame North-South-East-West.

Helicopter & ship configuration are easily selectable, through a touch tablet to be installed in navigation bridge and aviation room.

Thanks to ship hydrodynamic model inside, and connection to inertial sensors, this device is able to compute main waves directions, and predict ship movements for all other ship speed/heading. It helps the officers to choose the aviation route and anticipate evolutions.

Those navigation parameters dedicated to the Officer of the watch are also automatically displayed in aviation room. Thus, the Flyco officer is able to manage the aviation clearance in ship frame and real-time.

- **SMART INFORMATION FOR HELO / UAV SAFE LANDING**
- **OPEN ARCHITECTURE**
- **USER FRIENDLY INTERFACE, MULTI-PLATFORM & MOBILE TECHNOLOGY**
- **DEVELOPED WITH EXPERIENCED NAVY OPERATORS**

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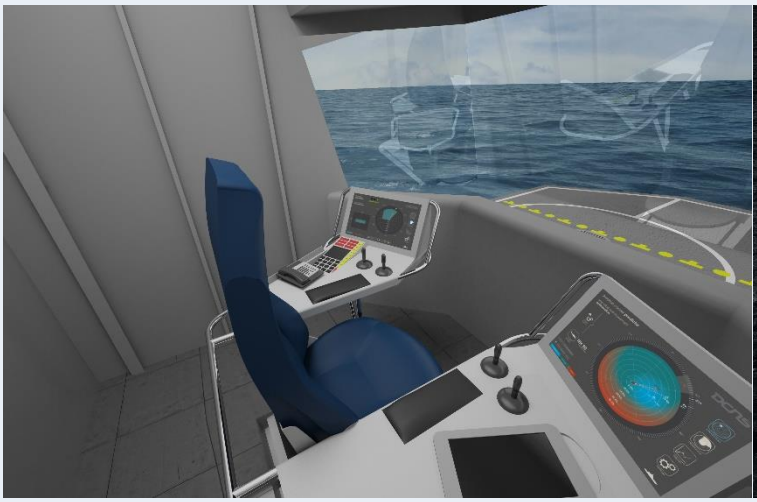
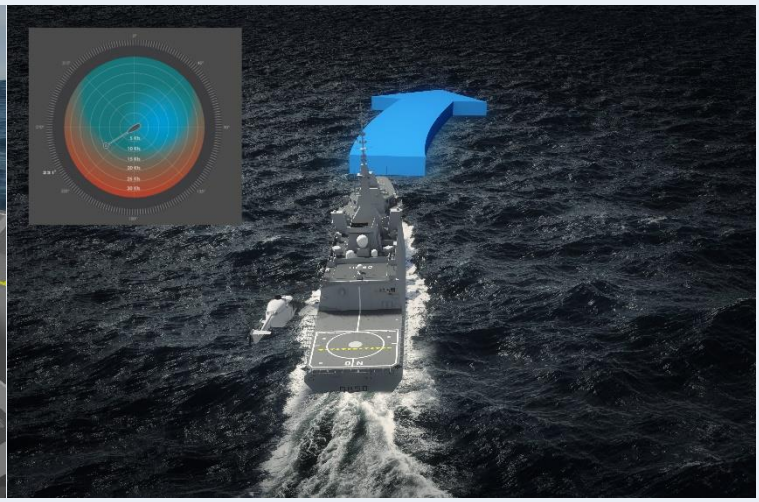
POWER AT SEA

ACP





KEY POINTS

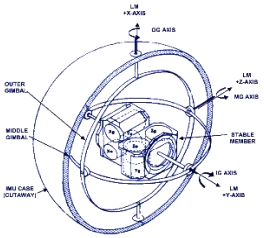
- Advanced algorithms taking into account a wide range of parameters
- The interface enables the FlyCo (Flying Control) to clearly and quickly visualise key information
- Open architecture and new aircrafts characteristics can easily be added to the system
- Computing power coupled with an ergonomic interface which intuitively emphasizes optimal aviation routes
- Easly displayed on tablet computers for maximum mobility onboard and be used by an operator on the helicopter platform
- Designed to enhance decision making, mitigate risk and significantly improve operation management

CHARACTERISTICS

NAVIGATION SENSORS

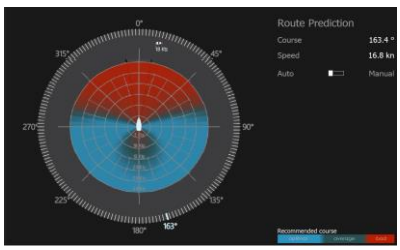
Accelerometers & gyroscopes

INERTIAL MEASUREMENT UNIT



MEASUREMENT SENSOR

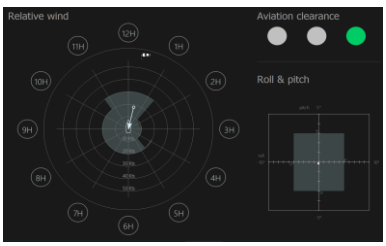
Attitude angles, velocity vector & position



Route prediction

Main console

Aviation room



Aviation clearance

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