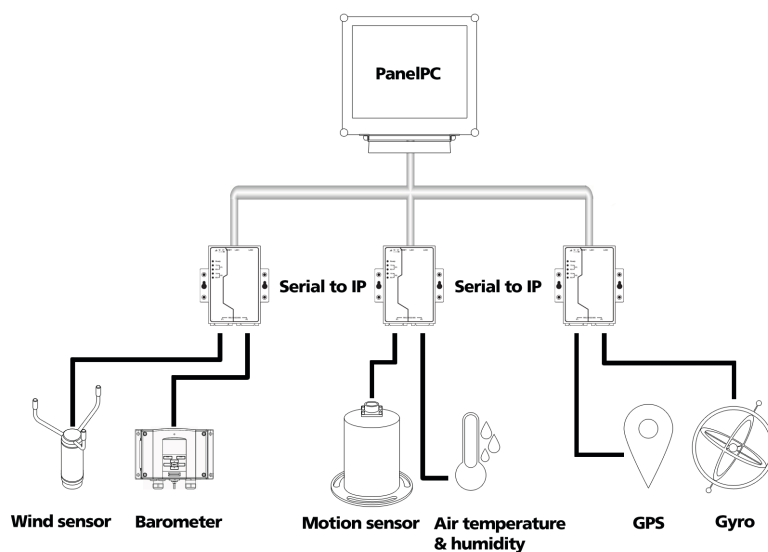




Civil & Military helicopters are required to operate in hostile environments. The HALO system is designed to improve flight and passenger safety in these conditions by providing real-time monitoring of helideck motion and weather conditions. The HALO system is fully compliant with the prevailing recommendations issued by the Civil Aviation Authority in the UK (CAP437) and Norway (BSL D 5-1).

The HALO system interfaces a motion sensor, weather instruments, GPS and gyro compass to provide real time monitoring of helideck motions and weather conditions. The HALO system is developed to provide full information concerning the offshore helideck movements, weather data and vessel position to the bridge. All data is processed in the integrated software and are displayed in an easy-to-read graphical interface.

The HALO system processes and presents helideck motion data in a clear, easy to read graphic user interface. An automatic generation of a helideck report that can be sent by e-mail to the helicopter operator is included. This helideck report includes vessel information, motion data, meteorological data and logistic information vital for helicopter operations.



Key Features

- Real time helideck motion and weather information
- Intuitive graphical display
- Logging of parameters
- E-mail support
- Compliant with CAP437 motion data presentation



HALO User Interface & Report via Email

Technical specifications

Wind sensor

Type	Ultrasonic anemometer	Dimensions (w•h•d)	350x250x285 mm
Speed range	0-65 m/s	Weight	2kg
Speed accuracy	+/- 0.2m/s or 3%	Power supply	9-36Vdc
Speed resolution	0.01m/s	Operating temp.	-10°C to 60°C
Direction range	0-360°	Protection	IP66
Direction accuracy	+/- 2°	Material	Stainless steel
Direction resolution	1°	Compliance	ISO16622; CISPR22; IEC60529; IEC61000-4-2/6; IEC60945; IEC60068-2-1,2,6/34,30,31,67,78; VDA 621-415; LRS;

Barometer

Pressure range	500-1100 hPa	Dimensions (w•h•d)	183x116x77 mm
Pressure accuracy	+/- 0.25 hPa	Weight	1.5kg
Pressure resolution	0.1 hPa	Power supply	10-35Vdc
		Operating temp.	-40°C to 60°C
		Protection	IP66
		Material	G A1Si10 Mg (DIN 1725)
		Compliance	EN61326-1:1997 + Am1:1998+ Am2:2001 Industrial Environment

Air humidity & temperature sensor

Humidity range	0-100 %RH	Dimensions (w•h•d)	279x40x20 mm
Humidity accuracy	+/- 1.7 %RH	Weight	0.086kg
Temperature range	-80°C to 60°C	Power supply	7-28Vdc
Temperature accuracy	0.22°C	Operating temp.	-80°C to 60°C
		Protection	IP66
		Material	PC
		Compliance	EN61326-1

Motion sensor

Roll/Pitch range	+/- 30°	Dimensions (w•h)	Ø89x120 mm
Roll/Pitch accuracy static	0.02° RMS	Weight	2kg
Roll/Pitch accuracy dyn.	0.03° RMS	Power supply	12-30Vdc
@ +/-5° simultaneous roll & pitch		Operating temp.	0°C to 55°C
Roll/Pitch resolution	0.001°	Protection	IP66
Heave range	+/- 10m	Material	Titanium
Heave accuracy	5cm or 5%	Compliance	IEC 60945
Heave resolution	0.01m		
Acceleration accuracy	0.01m/s² RMS		

Panel PC

Display	15" TFT, resistive touch, night vision dimmable	Dimensions (w•h•d)	412x351x142.5 mm
Resolution	1024x768	Weight	9kg
Processor	Intel Core2 Duo 2.2GHz	Power supply	24Vdc +/- 15%
Hard disk	8GB SSD	Operating temp.	0°C to 55°C
Interface	LAN 10/100/1000 Mbps	Protection	IP65 front side
Operating system	Windows Embedded	Material	Aluminium
		Compliance	GL, ABS, DNV, BV, LRS