Helideck Monitoring System

Met-Ocean System

The SMC Helideck Monitoring System, SMC HMS, provides Motion and meteorological data displayed in real time in an Easy to read graphical interface for safe offshore helideck operations.

General

The SMC Helideck Monitoring System, HMS, is a PC based helicopter take-off and landing system for Offshore Rigs and Vessels providing essential information for safety decisions during helicopter operations. The Helideck Monitoring System provides information concerning the offshore helideck movements, weather data and vessel position to the bridge as well as to Heliports and land-based operators.

Interface

The user displays are viewed in a web browser format enabling access from multiple platforms as PC's, Macbooks, Tablets and smartphones across the network. The screen arrangement will automatically adjust to the resolution of the device.

Instrument integration

Meteorological instruments from almost any manufacturer can be integrated to the system to meet client specifications. Many Helideck Monitoring Systems are customized for specific client requirements incorporating additional environmental and weather data. The HMS system can be expanded to a complete Met-Ocean system with many additional options and configurations while maintaining the HMS specification standards.

Each Instrument that is interfaced to the SMC system is managed as a unique module that can be added or removed to different display systems that can then be selected for specific user or operational need.

System Data

All HMS data is stored into the system log file. The log data storage time is unlimited and the data can be accessed from any location using the web client. Data can be exported for analysis in third party software.

Key Features

- CAP437 and HCA 9b Helideck standard
- Norwegian CAA BSL D 5-1
- Brazilian Normam 27
- Pre-flight Reports
- Accessible over LAN/WAN as standard
- Multiple external outputs
- Unlimited logging
- Security Roles

External systems

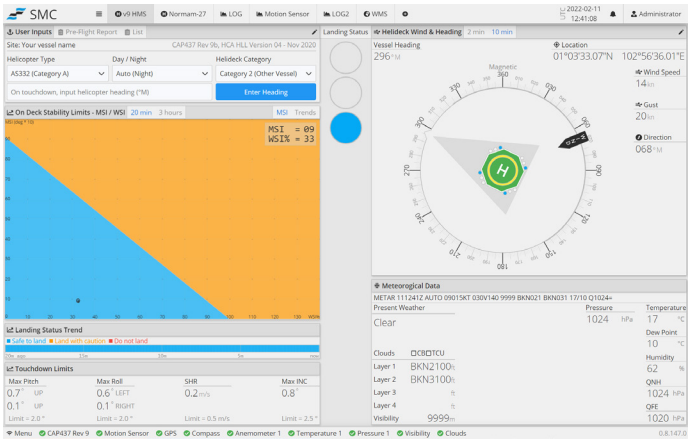
The Helideck Monitoring System has a set of external communication available with linking offshore weather and planning services as Helimet. The SMC HMS system can be configured to send data to other on-board systems with data from the Motion Sensors and weather instruments over for example SNMP, Modbus TCP/RTU and ASCII. Voltage-Free Contacts are available for helideck lights and other alarm outputs.

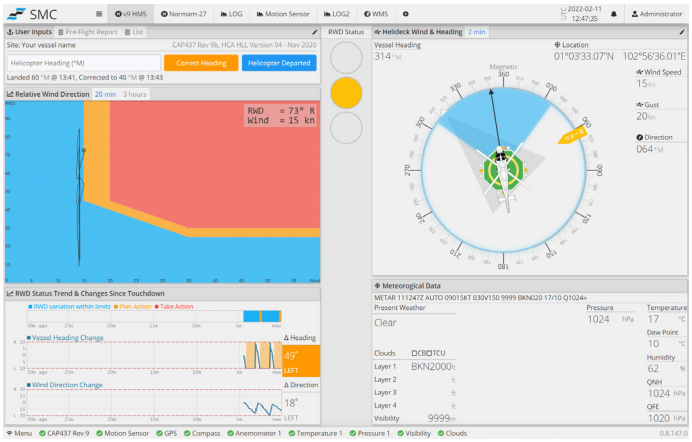
Investment Cost

The SMC system is a single cost purchase where all user rights are controlled by the purchasing client's IT team. There is no additional cost for network client access or system reports in the SMC system which helps to reduce the total investment over the system lifetime.

About SMC

SMC is an ISO9001:2015 quality management certified company, manufacturing motion sensors and system integration software packages, such as Helideck Monitoring and Motion Monitoring systems, for the global marine industry.





Specification

Computer Requirements

Processor:	Passmark benchmark score 6000 or higher recommended, 4000 minimum
Display:	1920x1080 or 1280x1024 pixels
OS:	Windows 10, 11, Server 2012, 2016, 2019, 2022
Disk Drive:	500 GB recommended
RAM:	8 GB or more recommended, 4 GB minimum

Helideck Standards

UK CAA CAP437
Norwegian CAA BSL D 5-1
Brazilian Normam 27
HCA rev 9b Specification Standard

External Output

SNMP, Voltage-Free Contacts, Helimet, Serial, Modbus TCP/RTU

Security Roles

Administrator, Operators, Technicians, Limited

Logging

Unlimited storage for all interfaced parameters, approx. 100 GB of data per year
Built in Backup features

Interface

Anemometer
Barometric Pressure
Temperature and Humidity
Ceilometer
Visibility and Present Weather
Lightning
Motion Sensor
GPS
Compass
Helideck Repeater Lights

Interface Optional

Wave Measurements and Tide
Water Current and Current Direction
Solar Radiation
Sea Water Temperature
Salinity
Water Depth

Support

Free Technical remote support

SMC
SHIP MOTION CONTROL

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