Now an intergrated system!

We are proud to partner together to bring our customers the market's first turnkey Helideck Monitoring System (HMS) integrated with the SE Series NDB monitoring capability.

RigStat Helideck Monitoring System & Southern Avionics Offshore SE125 NDB System

RigStat®

SAC

World's only intergrated
Helideck Monitoring System and Non-Directional Beacon

We are proud to partner together to bring our customers the market's first turnkey Helideck Monitoring System (HMS) integrated with the SE Series NDB monitoring capability. This unique combination monitoring platform enables our users to have complete confidence and safety in their helideck operations.

Not only will you be able to monitor your helideck's safety parameters such as weather and motion, but your NDB information will also be readily available for pilots and operators to make critical flight decisions.

For more information on how we can assist in your helideck safety, meet CAP437 requirements, and provides you with HMS and NDB products, please contact us.

RigStat Helideck Monitoring System (CAP 437 Compliant)

The RigStat Helideck Monitoring System (HMS) provides aviation-quality meteorological data for improved aviation safety. The HMS can be configured to meet UK Civil Air Publication (CAP) 437 compliance. A typical CAP 437 compliant system consists of a computer with local display and logging of weather, motion, and location sensor information, and can be expanded to include cloud height, horizontal visibility, and wave height sensor data. In all cases, the RigStat HMS is configured to provide Pre-flight Weather Reports that are sent from the customer asset to designated email addresses. The RigStat HMS can be securely accessed to provide real-time operational data.

RigStat®

Southern Avionics Offshore SE125 NDB System

Southern Avionics NDB systems provide safe navigation to offshore rigs around the globe. Our engineers can provide a thorough site survey for an optimized configuration regarding range and remote control capabilities.

The SE125 transmitter has a front panel LED, BITE and keypad which greatly simplifies set up, operation and fault detection. Our products are also ICAO compliant. We also offer a CAP437 compliant helideck antenna.

The SE125 Dual system consists of two fully redundant transmitters in hot/standby configuration with auto-transfer circuit. This design immediately transfers power to the secondary transmitter in the event the primary transmitter encounters a fault. Hot/standby availability significantly improves signal availability and minimizes downtime. We offer a number of fiber and Ethernet connections to meet any site requirement and to optimize the utility of the SE125 NDB in your application.

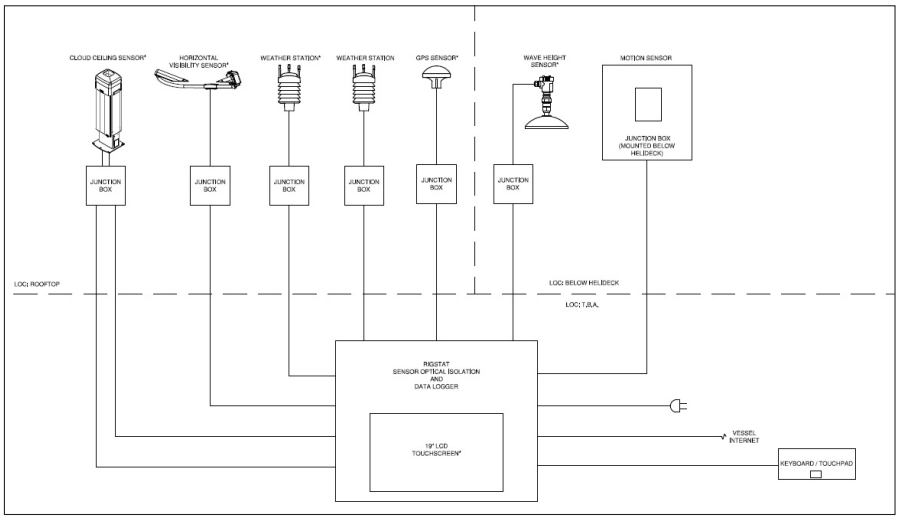
SAC

Helideck Monitoring System (HMS)

RigStat provides Helideck Monitoring System (HMS) with Preflight Weather Report (PWR) capabilities. The RigStat HMS is compliant with CAP 437 and Norway (BSL D 5-1) requirements.

RigStat®, LP utilizes the highest quality of computer equipment, applications and industrial sensors to provide complete and compact weather, location, and inclination monitoring systems. The systems collect and display data inputs from multiple sensors then interface the information with digital and analogue devices.

RigStat® Monitoring Systems locally display and log environmental parameters and metocean parameters. RigStat® systems can also be securely connected to the internet for remote data access and transfer data samples to the RigStat® Portal. The system seamlessly expands to include other RigStat® monitoring features.

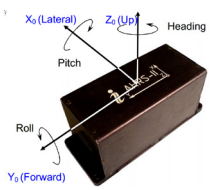


HMS Overview - Single Line Drawing

CAP437 Helideck Monitoring Sensors

Standard Sensors

- Wind Speed
- Wind Direction
- Air Temperature
- Barometric Pressure
- Realitive Humidity



- Pitch/Roll
- Heave

Optional Sensors

- Present Weather - Horizontal Visibility

- Ceilometer - Cloud Height

** if more than 12 landings per year*

Additional Optional Sensors

- GPS - Latitude Longitude Heading

- Wave Height - K-Band Pulse Microwave

Southern Avionics Offshore SE125 NDB System

Southern Avionics NDB systems provide safe navigation to offshore rigs around the globe.

NDB Latches closed

NDB Latches open

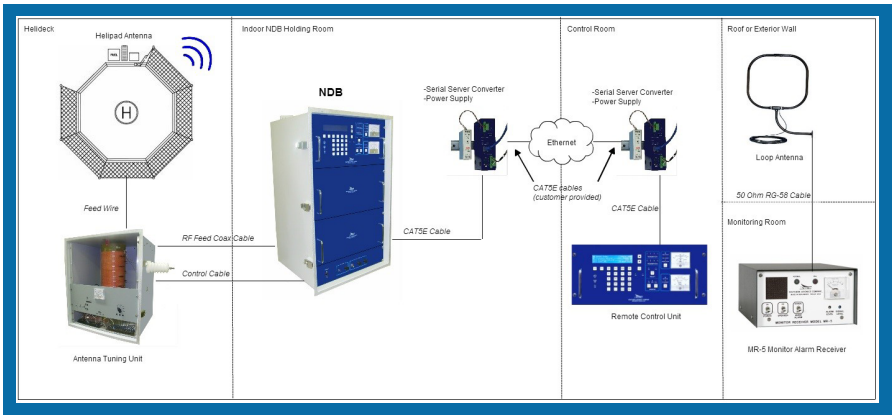
Antenna Tuning Unit

System Overview

Southern Avionics Company is the largest producer of NDB's in the world. Our equipment is the industry standard for offshore helicopter beacons. We are pleased to propose our SE125 series, the next generation of digital NDB technology which offers the highest level of monitoring, control, and performance available.

Our NDB system:

- SE125 IP66 Dual Transmitter meets CAP670 requirements.
- Antenna Tuning Unit (ATU) will be supplied in IP66 certified, weatherproof enclosure.
- Helipad Antenna meets CAP437 requirements.
- Factory Installation includes a 36 Month Warranty
  (12 month extension of our standard 24 Month Factory Warranty).
- Remote Control Unit (RCU) is in full compliance with ICAO ANNEX 10, Chapter 3.4 Shutdown Requirements.
- A MR5 Monitor Alarm/Receiver is in full compliance with ICAO's Annex 10, Chapter 3.4.8.1
- Spares Kits increase system availability. If a component fails, you can switch it with your spare.
  Send us the failed part for repair or warranty replacement.



Example of a complete NDB System onboard you offshore vessel or rig

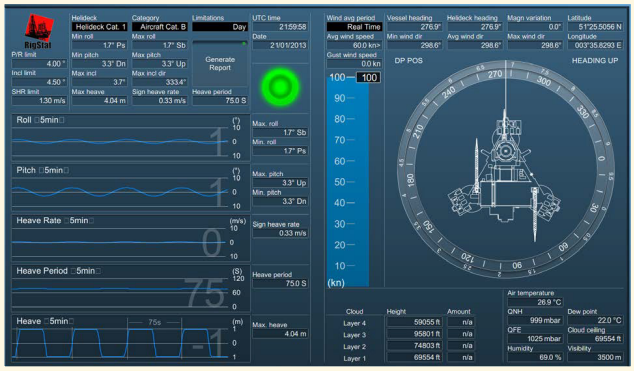
We offer a number of fiber and Ethernet connections to meet any site requirement and to optimize the utility of the SE125 NDB in your application.

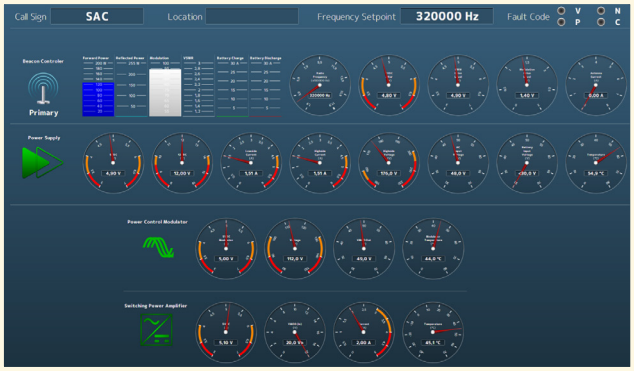
Don't Worry, We Will Setup Your System

Installation can be a long process, especially if you have a new system. Our field technicians have all the necessary certifications to come out to your offshore site and install your NDB system. We won't leave until we have certified it is fully operational and optimized for performance. This is also a good opportunity for your staff to ask questions about control, monitoring and basic operation.

Viewer Information for the HMS and NDB

The client or representative can securely view the vessel PWR at the RigStat Portal at any time. The PWR data fields are automatically updated with the most recently received sensor information. RigStat also supports remote Live View: the capability to securely access the vessel HMS screen for real-time viewing.



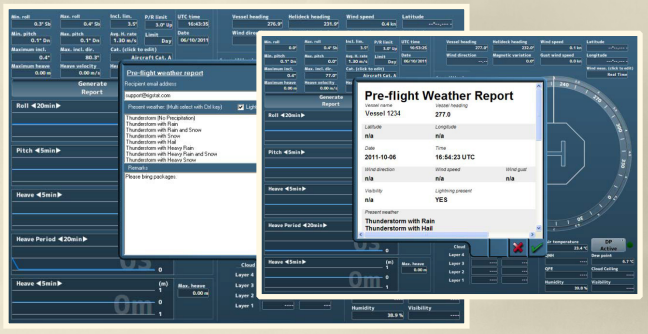


The HMS viewer displays the following:

- UTC Time & Date
- Min/Max Pitch & Roll; Max Inclination
- Max Heave; Heave Velocity; & Heave Period
- Graphs of Roll/Pitch/Heave with Selectable Time Periods
- Vessel and Helideck Heading & Magnetic Variation
- Latitude & Longitude
- Horizontal Visibility
- Wind Speed and Direction with Gust Wind Speed
- Compass (compass indicator has vessel outline with Helideck)
- Cloud Layers & Heights
- Air Temperature
- QNH & QFE Barometric Pressures
- Humidity & Dew Point

The NDB viewer displays the following:

- Call Sign
- Location
- Frequency
- Beacon Controller
- Fault Code (If Present)
- Other Component Indicators



Preflight Weather Report

Features

- Supports multiple email addresses
- User selectable weather conditions
- Remarks section for free-form text message
- Preview final report

RigStat®, LP is a Houston-based firm established in 2004 specializing in United States patent approved monitoring systems that support the offshore oil and gas exploration and production industries worldwide. We are focused on providing "best-in-class" CAP 437 Helideck Monitoring Systems, Environmental and Metocean Monitoring, GPS Asset Tracking Services, Anchor Tension Monitoring, and Emergency Satellite Operations and Communications.

RigStat®

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Southern Avionics is the industry-recognized leader in the manufacturing of navigational transmitters such as low frequency Non-Directional Radio Beacons (NDBs) and Differential Global Positioning System (DGPS) Reference Station Transmitters.

Southern Avionics has successfully implemented NDB systems for clients around the globe for safe and efficient navigation to sites on land and at sea. Our continued success is due to the superior quality of our products and the attentiveness we put into our services and customer support. Our engineers work with each of our clients to assess their challenges and implement the best solution for their sites.

SAC

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