



Elements HMS is Nevis' helideck monitoring and metocean data system built for compliance with the latest CAP437 requirements which came into force in April 2021.

The software runs on the same reliable processing code as Elements MET, but includes additional HMS specific features such as motion data processing, on-deck mode, and helideck status calculation.

Elements HMS integrates with a wide range of sensors from different manufacturers and supports data dissemination to other offshore systems or to web portals such as Elements Online and Helimet.

CAA CERTIFIED AS CAP437 8.1 / HMS 9B COMPLIANT - AWARDED JULY 2021

Compliant

Elements HMS is certified by the CAA as being fully compliant with CAP437 Edition 8.1 and Standard Helideck Monitoring Systems Revision 9B. The system can alternatively be configured for compliance with international regulations (Normam-27 and BSL D 5-1).

Secure

Our entire Elements software suite has been designed to the latest security standards, and has undergone independent penetration testing. Deployed as standard on an industrial server running Windows 10 IoT LTSC, we work closely with clients to ensure that a robust mechanism exists for regular security patching.

Reliable

Elements HMS is built on a codebase which has been deployed to over 100 offshore installations in the past decade and built a strong reputation for reliability and data quality.

Supported

We offer extended support for all of our offshore systems, delivered by our small specialist team.

Selected Feature List

- Includes all the required features of the latest HMS standard (MSI vs WSI, RWD, On-Deck mode, etc.)
- Integration with a wide range of sensors from different manufacturers
- Outputs to helideck status repeater lights via MODBUS TCP or analogue three-wired interface
- Modern browser-based user interface designed for both desktop and mobile devices
- Advanced charting and download tools, including built in down-sampling facility
- Supports data output via OPC, Modbus, TCP, FTP, as well as custom formats
- Supports data output to Helimet
- Tight integration with Nevis' Elements Online web portal for long term secure data storage
- Deployed as standard on Windows 10 IoT LTSC, but runs on a wide range of operating systems
- Comprehensive support, upgrade, and troubleshooting tools