SERVICE AND MAINTENANCE
OF METOCEAN SYSTEMS

EMS  ENVIRONMENTAL MONITORING SYSTEMS
HMS  HELIDECK MONITORING SYSTEMS
WMS  WEATHER MONITORING SYSTEMS

All instruments and systems exposed to harsh weather conditions will require regular service, maintenance and calibration. Sensors measuring the weather are exposed to the most extreme conditions and will require high quality maintenance in order to measure correct values when you really need them.

Automasjon & Data AS are specialists in building and installing such systems worldwide with more than 20 years of offshore experience. We have a highly qualified, fast and efficient service department capable of servicing and maintaining both our own systems and systems delivered by others.
ALL METOCEAN SYSTEMS: ANNUAL MAINTENANCE - 12M PM

All sensors and systems exposed to extreme weather conditions should as a minimum have one thorough check every year for mechanical maintenance and calibration check. System downtime can be costly during critical operations. Continuous care and preventive maintenance reduces the risk that a critical instrument is offline when needed.

Scope of Work:

Annual check of the Helideck Monitoring System (HMS) to ensure system accuracy and operability, is required by the following regulations:

Work scope will include inspection/service on the following equipment:
- Wind sensor
- Temp/hum/pressure transmitter
- Cloud height sensor
- Visibility sensor with present weather sensor
- Wave radar
- Server/computer
- Interface to other systems
(Number of sensors will depend on system spec.)

All HMS systems requires the following:
- 12 months regular periodic maintenance
- 36 months full check and verification of motion sensor

Ref.: CAP 437 / BSL

HMS: 3-YEAR MAINTENANCE - 36M PM

Rules and regulations for HMS - Helideck Monitoring Systems - has very clear requirements for maintenance of these systems in order to maintain helideck landing certificates.

The regulations also require full system check including a motion sensor verification report every 3 years.

Scope of Work:

Every three years a full system test is required.

In addition to the scope listed above, this test includes verification of the motion sensor (MRU) against a calibrated reference unit.

The verification test must be performed in open waters, to ensure a minimum of vessel motion, which is required to verify MRU accuracy.

We will then issue a comprehensive Verification Test Report that may be used as documentation to achieve extended HCA certification.

Such certification is mandatory to operate the rig/vessel in Norwegian/UK waters.

Duration of a 12M is estimated two working days, a 36M will typically require one day more due to extended work scope.

Travel and standby is not included in this time frame.

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UPGRADING OR EXPANDING OLDER SYSTEMS

Most MetOcean systems will from time to time require upgrades or expansions as a result of new rules and regulations, technology updates or wear and tear.

A+D can upgrade existing metocean systems disregarding if they are manufactured by us or others. Simple software-upgrades can in some cases be done remotely if the system is online. Alternatively our service-engineers can do changes and modificatons on site during a service job.

New and better sensors and other additional equipment can normally be added to most systems providing a suitable location for installation at the site can be found.

SERVICE-AGREEMENTS AND SENSORPOOL

A+D can offer multi-level service-agreements for customers that need a flexible, customized service solution to meet their unique reliability and budgetary requirements.

- Automatic upgrade and maintenance of software
- Unlimited telephone support for system operators when operational problems occur, daytime hours or 24/7
- Unlimited online datasupport through remote connection
- Participation in a common sensorpool will give immediate delivery of new sensors when needed
- Assistance in downloading metocean data and preparing reports when needed
- Priority support when operational problems occur
- Training seminars for operators and technical personnel

A+D is ISO-certified by DNV and approved by CAA-N as a supplier of HMS.
A+D has a staff of qualified and experienced service engineers as well as highly qualified onshore support engineers capable of servicing all kinds of MetOcean Systems, EMS-systems, HMS-systems, meteorological and oceanographic sensors, etc.

We have our own workshop and test equipment for almost all types of metocean sensors and measuring equipment. We do also know very well other sensor manufacturers and calibration laboratories who can repair and re-calibrate sensors when needed.

All servicework - onshore and offshore - is completed by issuing a comprehensive service report and if necessary a list of recommended improvements or actions. We can also do a survey of the quality of older systems with a report showing what it takes to bring the system up to current standards.

Please contact us at support@automasjon.no or phone +47 51 12 30 80 to discuss service work or to get a proposal for improved service routines for your metocean systems.

A+D

MEASURING WEATHER CONDITIONS IS OUR SPECIALITY!