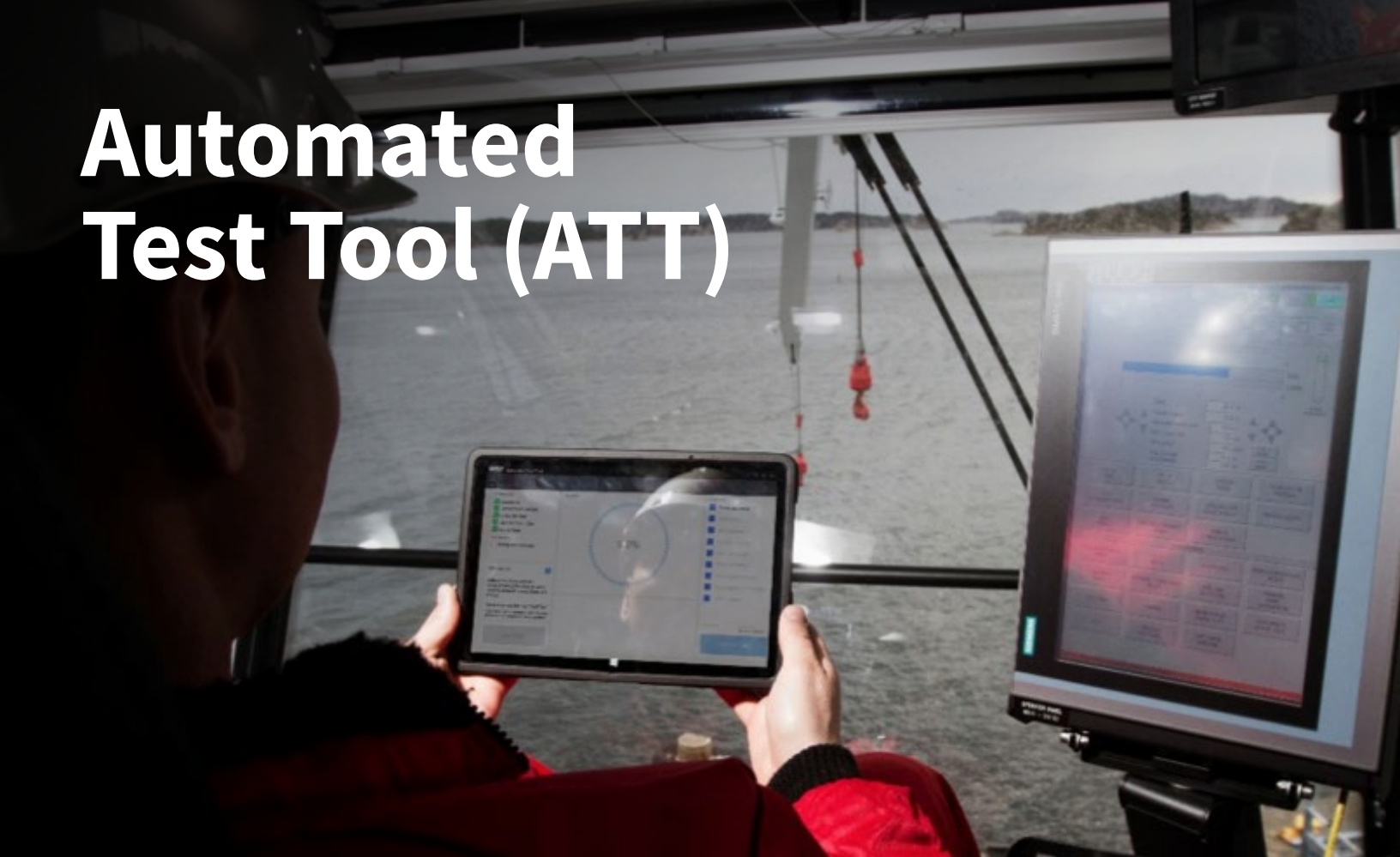


Automated Test Tool (ATT)



The Automated Test Tool (ATT) for cranes comprises a suite of customizable software applications that enable you to verify and document critical crane functions. By detecting and identifying potential failures before they happen, the ATT reduces operational downtime while enabling optimum system performance. That's less time and money spent on regular inspections and more cost savings overall.

The tablet PC starts/stops a test sequence in the Crane Control System, as the two software are connected via WiFi. The verification is an automated sequence with detailed instructions and can easily be performed by qualified rig/ship personnel. On completion, a test report can be printed and used for documentation of a performed test.

Test applications

MOPS, AOPS, and ASOPS

- MOPS and AOPS test (ASOPS included with AHC system) ensures that these overload protection systems will be tested properly.
- Test scope: Hold-back force, system response, and system function
- Results compared with reference values from installation
- Eliminates the need for test loads during annual tests (note: test loads required when application is installed)
- Performed and documented to satisfy DNV, ABS, EN13852, and NORSOK

Benefits

- Reduced cost and time of annual/regular inspection
- Reduced operational downtime due to early detection of potential failures
- Maximum system performance with evaluation of sub systems' conditions
- Reduced total cost of ownership
- Easy, intuitive overview with step-by-step information for performing the test
- Step-by-step video guidance as part of user manual
- Easy addition of new applications and performance upgrades
- Tablet PC compatible with MREC viewer
- Test results visible through RigSentry

Automated Test Tool (ATT)

Test applications

Winch brakes

- Ensures brake capacity is tested properly
- Test scope: Brake activation pressure, brake capacity, and system response time
- Eliminates the need for test loads during annual tests
- Performed and documented to satisfy DNV, ABS, EN13852, and NORSOK

AHC performance

- Tested with different simulated crane tip motions
- Includes testing of compensation performance and passive motor torque
- Results compared with reference values from installation
- Test loads not required

Winch motor torque

- Ensures proper testing of motor torque and speed control on hydraulic winch
- Results compared with reference values from installation
- Test loads not required

Testing applications under construction

- Load cell calibration
- Cylinder integrity test

