



RAMBOLL

MAKE IT EXCELLENT WITH NEW RAMBOLL SMART INSPECTION

With this handy inspection tool, data is loaded directly into your database providing a complete and accurate overview of installation conditions

Inspection of maintenance and safety equipment is a critical task at any on- or offshore treatment plant. Now Ramboll Smart Inspection makes it possible to collect and store inspection data from all kinds of equipment such as valves, indicators or safety equipment during routine check-ups. This means full overview of installation conditions and remote access to accurate data at all times.

Reliable data forms the basis for further evaluation and planning options in regard to maintenance management. Ramboll Smart Inspection brings you this solid foundation of data to build on. Ultimately, this new way of handling inspection data means that our clients will be able to cut costs thanks to more condition based maintenance.

This is how it works

The purpose of Ramboll Smart Inspection is to build up and

maintain documentation for simple checks and routines which are carried out on fixed weekdays, fixed days of the month or any fixed interval from one to 999 days. Check lists are defined in the central database and tag numbers are attached to relevant equipment. Data is then loaded into the PDA's memory. When the technician selects the required check he is now guided through the tag numbers included in the check list in order to make the required measurements, calibrations or inspections.

At the end of the work day, collected data and notifications are loaded into the central database and sent to the responsible work centre. Now it is possible to take action on notes or merge inspection data directly to a Computerised Maintenance Management System.

Working inspection sites smarter

Another benefit of using Ramboll

Smart Inspection is reducing the number of human errors and man hours spent on follow-up procedures in connection with inspections.

By using Ramboll Smart Inspection the technician carrying out the check-up is immediately faced with any equipment notifications right on the display. Working inspection rounds smarter releases time and resources for other important maintenance tasks.

Accurate identification

It is important for the control centre and the field technician to be

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DONG ENERGY: HEIGHTENING RELIABILITY OF SAFETY INSPECTIONS

Christian K. Christensen, Senior Manager, Maintenance and Projects at DONG Energy:

"Following a positive dialogue with Ramboll Oil & Gas we started using Ramboll Smart Inspection at the Siri offshore platform in 2012. Applying Ramboll Smart Inspection to our daily checkups of safety equipment we have successfully heightened reliability of maintenance data - including error traceability.

The tailor-made software for check lists and data collection optimises our installations overview and we are now reducing check up errors.

There still lie a lot of unexploited opportunities for us within this field and I strongly believe that Ramboll Smart Inspection holds potential to move us towards conditioned based maintenance, which at the end means cutting costs for us."

absolutely certain about which valve to open or close. Ramboll Smart Inspection provides accurate identification of, e.g., valves, pressure indicators or safety equipment, and gives the technician an accurate description of tag numbers and related check points including high and low limits for set points and readings.

Tailor-made solutions

The tailor-made software for PDA and PC has multiple options and may be used for inspection check-ups or other maintenance related tasks. The software holds a simple change of tasks in case of unexpected modifications, and it leaves limitless opportunities for future software development.

On- and offshore inspection

Ramboll Smart Inspection is developed specifically for the on- and offshore market, which is subject to strict requirements concerning safety and robustness.

For instance, the PDA device comes in an EX proven model making it highly applicable for offshore oil and gas production and treatment facilities.

Fits your system requirements

Gathered inspection data may be accessed through a standalone computer system or linked in with the client's existing reporting and registration system. Ramboll Smart Inspection has boundless opportunities for further applications fitting all needs and system requirements.

About Ramboll

Ramboll is a leading engineering, design and consultancy company employing close to 10,000 experts and with a significant presence in Northern Europe, Russia, India and the Middle East.

The business unit Ramboll Oil & Gas provides highly specialised engineering consultancy services to

the worldwide oil and gas industry. We employ close to 1,000 dedicated specialists and have worked in the oil and gas industry since the 1970's.

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LEFT
Ramboll Smart Inspection at work.

RIGHT
Completion of check:

Here the display shows two completed check ups (green) of which one has a notification attached. Three check ups are still pending (yellow).