

Cleaning up: scrubber OEM standardizes on SmartLine transmitters

Application Note

With tighter regulation driving strong demand for scrubbers in the marine sector, a major OEM chose SmartLine® to meet its demands for accuracy, stability and reliability.

Background

The demand for scrubbers in the marine sector is booming. Shipping accounts for about half of global fuel oil demand, and regulators are ramping up requirements to cut emissions. International Maritime Organization (IMO) rules introduced at the start of 2020 slashed sulfur emission limits by 80%.

The reduction in the fuel oil sulfur limit, from 3.5 weight percent (wt%) to 0.5 wt%, is the largest ever single cut.

Scrubbers enable existing vessels to meet these stringent requirements and avoid the costly alternative of replacing engines or switching to more expensive fuel.

Challenge

As an original equipment manufacturer supplying ship owners and builders, this global leader wanted to maximize the environmental and economic performance of the vessels while also complying with the new regulation.

As an international specialist in solutions to the marine and energy markets, the company foresees a growing interest in scrubbers, starting in 2020.

With the use of scrubbers expected to last for decades, the OEM's equipment must be reliable and effective: operating consistently to meet emission limits and avoiding vessels being forced into costly and limited time in dock for repairs. Their components had to reflect this need.

Solution

Scrubber OEM selected Honeywell's technology to meet these challenges, standardizing on our SmartLine family of pressure transmitters. These are used to measure differential pressure across the scrubber's filter, which is key to preventing leakages.



Installation of a closed loop scrubber system

“For a winning concept, it was crucial to have a great channel partner aligned with Honeywell’s OEM Program. This resulted in fantastic benefits for all parties, with a dynamic and professional relationship between the OEM, channel partner and Honeywell. IKM Instrutek AS is, from a leadership level down, extremely professional and has a great understanding on how to adapt and work with large companies and premium suppliers.”

Björn Larsson, Nordic Account Manager,
Honeywell Process Solutions

- [SmartLine ST700 Gauge Pressure Transmitters](#) – transmitters for applications ranging from high-pressure measurements in boilers and fuel feeds to tank level measurement with high process temperatures.
- [SmartLine ST700 Differential Pressure Transmitters](#), bringing smart technology to a broad spectrum of measurement applications with process temperatures up to 257°F /125°C. The differential pressure transmitters can be used with any primary flow element for proven, repeatable flow measurement.

All instruments feature industry-leading performance for tighter process control and the lowest total cost of ownership. A modular design cuts maintenance costs and universal terminals simplify installation.

The solution also included streamlining and automation of orders and purchasing for the transmitters. This was made possible through the work of Honeywell channel partner IKM. It developed an automated solution for documentation and tag marking of products and orders, and could also read orders directly the orders from the customer’s systems.

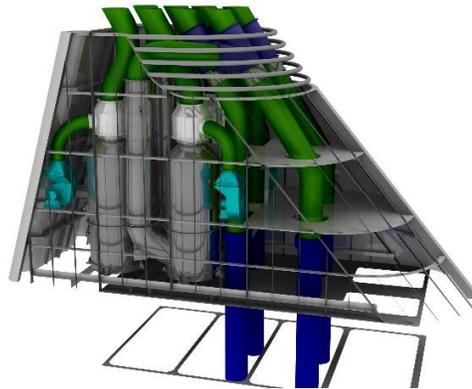
Benefits

With SmartLine, the OEM standardized on its transmitter technology to reduce engineering and installation costs, as well as simplified purchasing of this key component.

Most importantly, though, SmartLine transmitters have a track record for both accuracy and long-term stability – helping keep the scrubbers reliable and protecting the OEM’s reputation.

Finally, the wide rangeability (1:400) of Honeywell’s SmartLine differential pressure transmitters helps the OEM minimize the number of models needed to run the operations.

IKM’s solutions, meanwhile, helps simplify the order process and ensure correct information from each order is documented and sent to customer. Combined with local stock, this it also facilitates a fast delivery for both projects and spare parts, so that the OEM always has the components it needs for its manufacturing requirements.



Hybrid scrubber system – funnel structure

Summary

In Honeywell, the OEM chose a supplier with a global reputation, but not at the cost of flexible support. Honeywell’s channel partner, IKM Instrutek AS plays an instrumental part to this collaboration in maintaining a close relationship with the manufacturer while ensuring the availability of stock and handling for selected transmitters. It also provides the necessary marine documentation. With its support and Honeywell’s technology, the OEM can look forward to helping its marine customers meet emission targets for decades to come.

About Honeywell’s Smartline Transmitters

Honeywell’s Smartline transmitters for pressure, temperature, flow, and levels set the standard, providing industry leading accuracy and stability. Designed for a lower cost of ownership, they cut maintenance costs and reduce spares requirements. Intuitive operation and smart features also boost productivity and efficiency in the operation.

Covering a massive range of application, SmartLine transmitters are trusted across the globe and field proven in some of the world’s most demanding applications.

For More Information

To learn more about Honeywell's OEM Program, please visit www.honeywellprocess.com/OEM.

To learn more about SmartLine® Transmitters visit www.hwl.co/SmartLine or contact your Honeywell Account Manager, Distributor or System Integrator.

SmartLine® is a trademark of Honeywell International Inc.
Other brand or product names are trademarks of their respective owners.

Honeywell Process Solutions

2101 CityWest Boulevard
Houston, TX 77042

Honeywell House, Skimped Hill Lane Bracknell,
Berkshire, England RG12 1EB UK

Building #1, 555 Huanke Road,
Zhangjiang Hi-Tech Industrial Park,
Pudong New Area, Shanghai 201203

www.honeywellprocess.com

AP-20-01-ENG
March 2020
© 2020 Honeywell International Inc.

Honeywell