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On The Horizon



Could maintenance analytics be the key to achieving a 355-ship Navy fleet?

According to Rear Adm. Lorin Selby – the chief engineer and deputy commander of ship design, integration and naval engineering at NAVSEA – the key to maintaining ships and enabling the Navy to extend their lifespans is data analytics.

Selby advocated for this analytics-based maintenance approach as a primary strategy for achieving a 355-ship Navy at the American Society of Naval Engineers' annual Technology, Systems & Ship symposium in June. An article in [USNI News](#) captures all the details.

SENSORS DELIVER CRUCIAL DATA

"I have ships with a number of sensors on them, measuring things like reduction gears, shafting components, turbines, generators, water jets and air conditioning plants," Selby said. "And we're actually pulling data off those ships, in data acquisition systems."

At the Naval Surface Warfare Center Philadelphia Division, Selby's team is analyzing data gleaned from smaller ship component operations to determine how often such components need:

- General servicing
- Oil changes
- Filter changes
- Other maintenance actions and replacement

CBM+ AND DIGITAL APPS TRANSFORM MAINTENANCE

The process is called condition-based maintenance plus (CBM+), and Selby wants to leverage CBM to drive improvements in maintaining ships. CBM is not a new concept for the Navy but Selby wants to use it in different ways this time around. In fact, the Navy is conducting a pilot program this summer using enterprise remote monitoring on an Arleigh Burke-class destroyer.

Selby also wants to have a system of apps to collect data from ship components, analyze the data, share it with operators, schedule work and even order parts. This holistic, analytics-based approach may be the key to operating the ships we have today more effectively and helping them maintain "combat relevance" over time, said Selby. But there are challenges to work through – especially in data security and scheduling logistics.

Learn more about CBM and its possibilities by reading the full article in [USNI News](#).

[VIEW MORE DETAILS](#)

Trade Talk



Remote technologies and digital reporting drive inspections of the future.

Imagine being able to avoid the logistics, expense and downtime of scheduling on-site inspectors at your site. How about conducting inspections with a mere smart phone? Or having deep, structured inspection data always at your fingertips? According to an article by Richard A. Bailey of DNV GL in [Valve-World.net](#), those are just a few of the benefits of a digital inspection service made possible by use of remote technologies and smarter reporting solutions.

REMOTE INSPECTIONS HELP SAVE TIME, MONEY AND THE ENVIRONMENT

According to Bailey, multiple parties can attend an inspection remotely, operated by a DNV GL technical expert from their office. Depending on conditions and availability, many inspections can be conducted with:

- A quality digital camera
- A smartphone, or
- An intrinsically safe wearable with a connection to Wi-Fi, 4g or satellite

Of course, some ultra-critical activities are not suitable for remote monitoring – but many are. Remote technologies enable companies to save time, reduce travel and inspection costs and minimize their carbon footprint.

DIGITAL REPORTING TRANSFORMS DECISION MAKING

New online report applications and standardized templates have also made inspection reporting faster and more accurate. "In the past," said Bailey, "we'd use historical inspection data that was available in different formats and in many instances unstructured, to provide insights on inspection test plans or equipment. However, the process was not straightforward. In the future, with standardized digital reporting and structured data streams, it will become much easier."

Best of all, these new tools have also enabled deeper, smarter data mining and analysis, to drive better decision-making down the road.

How could digital inspections and reporting transform your operation? Learn more by reading the full article in [Valve-World.net](#).

[VIEW MORE DETAILS](#)

Lisa's Letter

Looking back on DVE carrier adventures, looking ahead to LA Fleet Week



DISTINGUISHED VISITOR EMBARK PROGRAM A UNIQUE THRILL AND HONOR

In early July, I was honored to participate in a special Naval program called a Distinguished Visitor Embark (DVE), off the coast of Coronado, California. Dante Valve's Charlie Smith also took part in a DVE on the east coast. Although I have been on many aircraft carriers, this was the first time I'd actually flown on a U.S. Navy aircraft out to an active aircraft carrier at sea. What an experience!

You'll find more details on our adventures – including the thrills of experiencing an "arrested landing" and a "catapult launch" – in the [News section](#) of our website. But I would just like to reiterate what an honor it was to meet the incredibly hard-working sailors aboard the USS Theodore Roosevelt (CVN-71). Thank you to the entire crew!

LA FLEET WEEK® IS COMING AND DANTE VALVE IS PITCHING IN

Once again in 2019, Dante Valve will be sponsoring the LA Fleet Week celebration in and around The Port of Los Angeles over Labor Day weekend. It's the annual end-of-summer extravaganza that gives the public a chance to connect with U.S. Navy personnel and experience the Navy's equipment and capabilities up close.

The weekend features active-duty ship tours, equipment displays and demos, aircraft flyovers and more. As in past years, Dante Valve will help sponsor opportunities for our hard-working sailors to enjoy activities and events in the LA area, so they can relax and have some fun. We look forward to giving back to our sailors who sacrifice so much for us. See you in LA!

PICTURE THIS: DANTE VALVE ON INSTAGRAM

We're excited to announce that we're now on Instagram! It's just another great way for us to connect with followers and friends and visually share what's happening with our company. Follow us on Instagram [@dantevalve](#).

PRICE INCREASE COMING FOR KUNKLE VALVES – STOCK UP NOW

Budget alert: Prices on Kunkle Valves will increase on September 1. All models and product lines will be affected. Get your orders in now to take advantage of today's pricing!

If you have questions about any of the topics in this email, or just want to say hi, contact me at lpapini@dantevalve.com. And as always, thank you for your support of Dante Valve!

Lisa Dante Papini
 President

Industry Happenings

Military

[The American Legion National Convention 2019](#)
 August 23-29, 2019 | Indianapolis, IN

Commercial

[International Refining & Petrochemical Conference: Americas](#)
 September 25-26, 2019 | Houston, TX

What A Relief!



Danco Stainless Steel Enclosed Spring Full-nozzle Pressure Relief Valve

Shipboard pressure relief valves in full conformance with the applicable ASTM and military specifications. Stainless steel construction with flanged connections, enclosed spring bonnet and full nozzle design. Sizes 1/2" x 1" through 8" x 10", available in orifice sizes C, D, E, F, G, H, J, K, L, M, N, P, Q, R and T. A bellows may be added to counteract the effects of back pressure.



Kunkle Stainless Steel Liquid Relief Valve Models 71S, 171, 171P, 171S

Cast iron valve is a durable pressure relief valve. Model 171S is suitable for sanitary and edible applications. This liquid relief valve can also be used with caustic liquid materials. Best used for bypass relief, pressure regulation, overpressure relief of pumps, tanks and hydraulic systems.

For more information, visit us at DanteValve.com or call us at 888-212-3222

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