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Check out product features and promotions below!

**On The Horizon**



Source: <https://news.usni.org/2019/04/05/navy-simulating-efficient-shipyard-layouts-as-part-of-20-year-modernization-optimization-effort>

**Navy using digital modeling to optimize shipyard workflow**

As part of a \$21 billion effort to modernize and optimize its four shipyards, the U.S. Navy is using advanced digital modeling and simulation tools to identify the most efficient configurations and optimize workflow and productivity.

**"DIGITAL TWINS" WILL HELP IDENTIFY MAXIMUM EFFICIENCIES**

According to an [article in USNI News](#), the Navy is creating "digital twins" of its shipyards in an effort to find the smartest way to integrate the three key components of each yard's infrastructure:

- Dry docks
- Facilities
- Capital equipment

Though it is in the beginning stages of this ambitious simulation project, the Navy is hoping these digital tools will show how potential new layouts of the yards' welding shops, pump shops, material storage, office spaces and more could contribute to better workflow and reduced man hours.

**SIOP PLAN ALSO INCLUDES FACILITY UPGRADES**

This initiative—called the Shipyard Infrastructure Optimization Plan (SIOP)—will also include repairing and enhancing the dry docks and replacing aging capital equipment. But by using the simulation software, the Navy hopes to determine the optimal infrastructure layouts early on, to avoid installing large capital equipment and then having to move it a few years later. The software will also help optimize the way projects are conducted and the way people and equipment move, eventually saving an estimated 300,000 work days per year, every year.

Learn more about this exciting advancement by reading the full article in [USNI News](#).

[VIEW MORE DETAILS](#)

**Trade Talk**



**Live testing is crucial final step to ensure valve reliability**

With lives, dollars and critical equipment at stake, flow testing is an integral part of designing and building relief valves. Engineering to specifications is not enough. Only rigorous live testing can verify that a valve will perform safely and reliably over its expected life.

**SIMPLY CALCULATING CAPACITY CAN LEAD TO ERRORS**

In order for a relief valve to be trustworthy, it must relieve enough pressure at a fast enough rate (called "capacity") to reduce the chance of catastrophic system and personnel damage. At Dante Valve, we place a high priority on this when designing relief valves for military and commercial use. There are numerous ways to calculate the capacity of a relief valve design and then extrapolate and interpolate those calculations across a valve design family. But doing so might compound errors, and turn minor variations into major problems when valves are needed in an emergency.

**LIVE TESTING BACKS UP THE DATA**

At Dante Valve, we believe in our engineering and designs, and we maintain calculations of them. But we also support that data with live flow testing—before live capacity testing using flow metering equipment—before valves leave the factory.

Characteristics of Dante Valve's flow testing capabilities include:

- Stainless piping and tank systems plus water filtration and rigorous cleaning practices to reduce the risk of foreign particle contamination during tests
- Use of transit-time ultrasonic flow meter technology with accuracies of +/- 1% for water velocities above 1 FPS, and +/- 0.01% for water velocities below 1 FPS
- Annual on-site calibration of our flow meter to maintain and verify its certification and accuracy
- The ability to custom design and build test setups to meet varying Dante Valve and outside customer test requirements

Want to learn more about our live testing processes? [Contact us](#) and talk to one of our representatives for more details.

[VIEW MORE DETAILS](#)

**Lisa's Letter**

**Australian Pump agreement, ACIBC event and other Dante highlights**

**PROUD TO PARTNER DOWN UNDER WITH AUSTRALIAN PUMP INDUSTRIES**

I want to share some exciting news about our company. As of April 1, 2019, Australian Pump is the sole factory sales and service representative within Australia, New Zealand and Papua New Guinea for:

- Our product line of Danco Pressure Relief Valves
- All pressure reducing and regulating valves as well as temperature regulating valves manufactured by TRAC Regulator



We've had a long, successful partnership with Australian Pump, which already has a strong reputation for providing quality parts, repairs and service to the Royal Australian Navy and the Royal New Zealand Navy. This new agreement comes at the perfect time, since the Australian Navy recently set out its [force structure and construction plan](#) for the next 40 years for submarines, frigates and smaller offshore patrol vessels. We look forward to teaming with Australian Pump to serve these prestigious naval forces even more effectively.

**HONORED TO SERVE ON ACIBC PANEL**

I recently traveled to Washington DC for some important industry events that will help shape the future of shipbuilding. I was honored to be part of an Aircraft Carrier Industrial Base Coalition (ACIBC) panel discussion on Congressional Engagement, discussing strategies for making stronger year-round connections with our representatives and conveying the very real need for aircraft carrier funding and ongoing support.

The highlight was listening to ACIBC's guest speakers, Rear Admirals Brian Antonio and Roy Kelley, talk about pressing naval issues regarding the state of our carriers and new carrier construction.

The next day, we visited Capitol Hill and discussed carrier funding with some elected representatives, trying to identify the most efficient funding strategies and other solutions to help us meet our stated goals.

If you're interested in more details, shoot me an email at [lpapini@dantevalve.com](mailto:lpapini@dantevalve.com) and I'll provide a more in-depth overview of the state of carrier construction and funding. As always, thank you for your support of Dante Valve.

**Lisa Dante Papini**

President

**Industry Happenings**

**Military**

[2019 Joint Engineer Training Conference – Society of American Military Engineers](#)

May 7-9, 2019 | Tampa, FL

[MegaRust 2019 Naval Corrosion Conference](#)

May 14-16, 2019 | Portsmouth, VA

[Sea-Air-Space Exposition](#)

May 6-8, 2019 | National Harbor, MD

**Commercial**

[IADC Drilling Onshore Conference & Exhibition](#)

May 16, 2019 | Houston, TX

[NAMEPA – National Maritime Day Seminar & Amver Awards Reception](#)

[Safety at Sea – A Renewed Focus](#)

May 22, 2019 | Washington, DC

**What A Relief!**



**[Danco D48CUU](#)**

Shipboard air compressor pressure relief valve in full conformance with Mil-V-22549. Connections are 1/2" inlet and 1" outlet union end silver braze. Bronze construction, top guided with soft-seat design and a threaded cap. Rated to 400 PSIG.



**[Kunkle Safety & Relief Valve Model 537 Certified Valve](#)**

Built to support low pressure steam devices, heat exchangers, hot water boilers and hot water generators, the model 537 safety relief valve is made from durable brass and bronze, providing longer life and exceptional durability. This valve serves a dual purpose of relieving overpressure created by thermal expansion under normal "on and off" firing conditions and overpressure in the form of water or steam created in over-firing due to failure of electrical and other controls.

For more information, visit us at

[DanteValve.com](http://DanteValve.com)

or call us at 888-212-3222

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