PIPEOTECH

CASE STUDY

# Forging customer confidence with quality seals

## INDUSTRY CHALLENGES

Steam systems in ships are difficult to manage without leakage due to the extreme and rapid temperature changes that occur during commissioning. In that process, the system is started and shut down over and over again, heating and cooling repeatedly, which expands and contracts the pipes many times. This puts strain on traditional seals and causes leakage, resulting in expensive maintenance and potential safety hazards.

## BACKGROUND

The customer is known for building specialized, cutting-edge vessels and expects innovation and high quality products from its suppliers. The company uses the DeltaV-Seal™ in large steam systems for its expedition cruise ships, of which it has built 10 to date, in order to avoid any leakage at the commissioning stage. Leaks can become a very expensive problem to troubleshoot and resolve, as there are hundreds of connections to check, involving lost manhours and costing thousands of dollars.

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### Material

Carbon steel, S235

### Industry

Shipbuilder

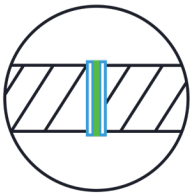
### Customer

VARD

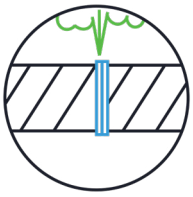
## BENEFITS

In addition to the reduced maintenance costs, the seals provide vital safety to the system, especially during the commissioning process when standards have to be at their highest. Putting seals into ships at the building stage, builds confidence in the shipowner, enhancing the customer's reputation of using quality materials for a safe and durable system, which also increases visibility for both the customer and Pipeotech.

ENDURING QUALITY



INSTALL AND FORGET



PREVENT FUGITIVE EMISSIONS


## OPERATIONAL CONDITIONS

PRESSURE: 7 bar

ATMOSPHERIC CONDITIONS: Marine

TEMPERATURE: 170°C

MEDIA (PRODUCT): Steam

SIZE: DN15 – 200

MEDIA (CLEANING): N/A

## SOLUTIONS

Pipeotech's DeltaV-Seal™ is designed to never leak or deteriorate. The unit is a one-piece gasket made from material compatible with the flanges it mates with. The customer chose this particular gasket because of the significant cost saving in man hours at the commissioning stage of its vessels.

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