

## A transformed, sustainable marine industry

Mitigating high operational costs and meeting new regulations means modernizing aging ships

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Today's marine industry is undergoing a multi-faceted transformation.

Increased regulation, aging ships, and high operational costs have led to challenging market conditions for remaining competitive at sea.



90% of international trade is seaborne, giving the marine industry a critical position on a global economic level<sup>1</sup>

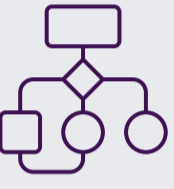
### On the horizon: Increased emissions targets



International Marine Organization regulations mandate a **40% reduction** in greenhouse gasses by 2030 (IMO 2030)

The way forward will require cross-industry collaboration to find the optimal solution<sup>2</sup>

### Shipbuilding of the future



**Connected workflow:** Bridge the gap between planning and reality. Digitizing the entire workflow keeps planning and scheduling on track, across all teams.



**Connected workers:** Ensure teams have the data they need, and in the format that they need it. Disciplines are empowered to work together and deliver projects on time and to budget.



**Connected decision making:** With all teams aligned around a single trusted hub of data, the right decisions are made faster.



**Digital Twin Resiliency:** When the ship requires modifications in the future, the digital twin is ready with critical information so work is fast and efficient.



### Streamlining processes to be more efficient

Using digital twins and other digital models can help shipyards operate more efficiently, meeting the challenges of changing conditions, and building a competitive advantage in growth markets.

### Success story

Hanla NMT used AVEVA solutions to integrate scanned data with 3D modeling, helping them meet a rise in demand for retrofitting ballast water treatment systems to be compliant with IMO regulations<sup>3</sup>

**30% time savings**

at the project planning and design phase

[Read more](#)



### AVEVA: Delivering sustainable business value for over 50 years



20,000+ industrial enterprises



6,500+ employees



5,500+ partners



5,700+ certified developers

### The connected, sustainable shipyard of the future starts here

AVEVA's solutions provide shipyards and ship owners with comprehensive digital engineering and shipbuilding solutions that span shipbuilding and revamp processes, and deliver digital twin capabilities to operational ships at sea.

[Learn more](#)



#### Sources

- "Shipping Key Facts", International Chamber of Shipping, 2020. <https://www.ics-shipping.org/shipping-facts/key-facts>
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- "Success Story: Hanla NMT", AVEVA. <https://www.aveva.com/en/perspectives/success-stories/hanla-nmt/>