

# EFFICIENCY AT SEA MARITIME OPERATIONS

**Interface**  
FORCE MEASUREMENT SOLUTIONS.

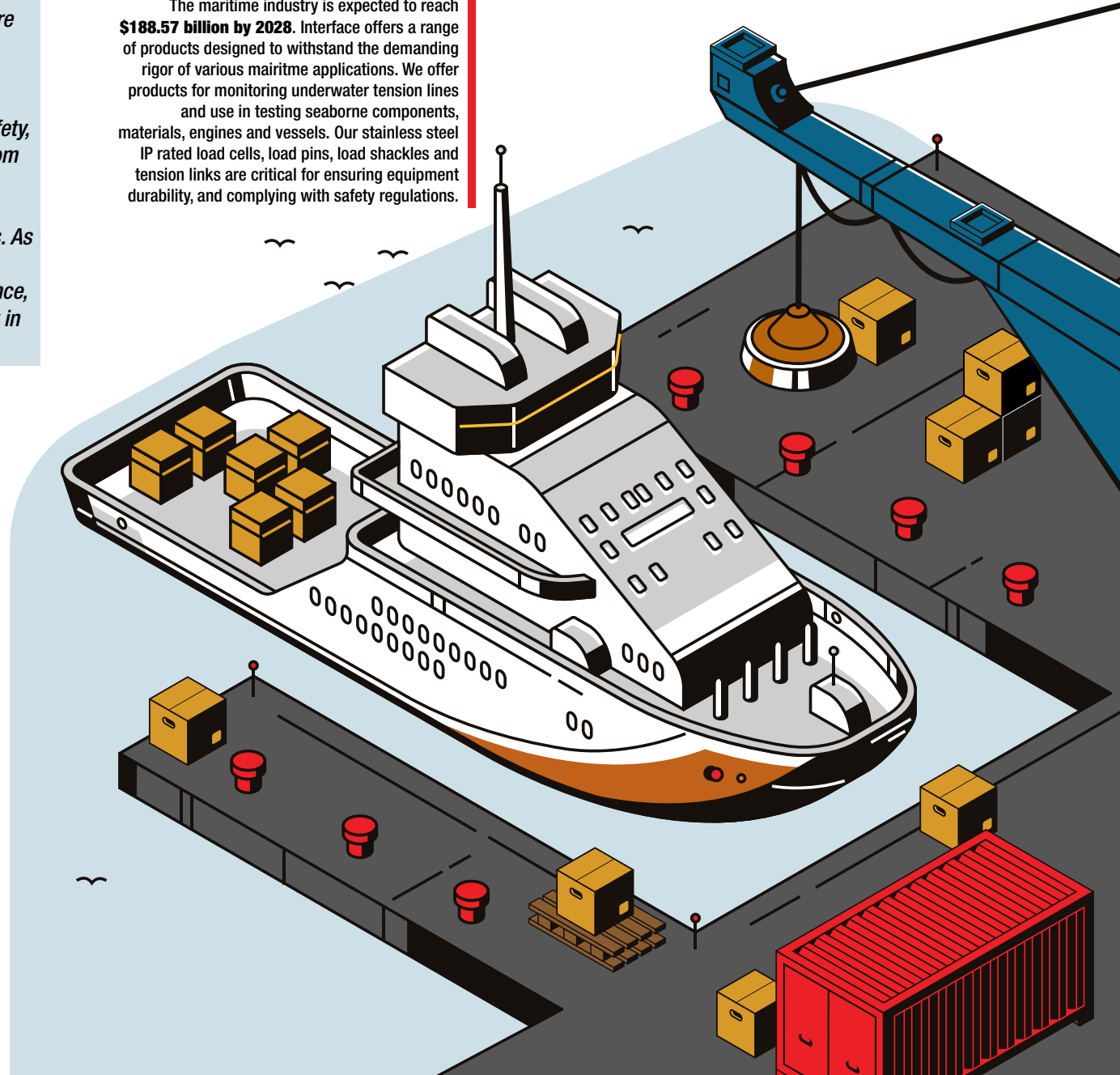
*Force sensors designed for use in the maritime industry are revolutionizing various aspects of marine equipment and operations. Interface's load cells, load pins, shackles, and submersible solutions are used for accurately measuring force and weight, which are instrumental in enhancing safety, efficiency, and performance of equipment and vessels. From monitoring the tension and stress on anchor chains to measuring the loads on cranes and winches during cargo handling, our sensors improve critical maritime operations. As the maritime sector continues to advance, measurement technologies will shape design, operations, and maintenance, ushering in a new era of enhanced safety and productivity in the industry.*

The volume of container processing at ports continues to increase. Interface's load cells are used during processing weighing. Our sensors are used for high accuracy measurement in scales, cranes, lifts, hoists and on-dock equipment.

Waterborne shipping carried a value exceeding **\$1.5 trillion** in U.S. trade, more than any other mode of transportation. Interface's force sensor technologies and instrumentation are specially engineered to handle the often-harsh environments in testing, and during ongoing operational use.

Shipping accounts for **90% of the total world trade**. Nearly 69% of all the goods traded by the U.S. are transported via waterways, predominantly by seagoing vessels.

The maritime industry is expected to reach **\$188.57 billion by 2028**. Interface offers a range of products designed to withstand the demanding rigor of various maritime applications. We offer products for monitoring underwater tension lines and use in testing seaborne components, materials, engines and vessels. Our stainless steel IP rated load cells, load pins, load shackles and tension links are critical for ensuring equipment durability, and complying with safety regulations.



[www.interfaceforce.com](http://www.interfaceforce.com)



Sources:  
Maritime Industry. Statista. January 2, 2023.  
On National Maritime Day and Every Day, U.S. Economy Relies on  
Waterborne Shipping. Bureau of Maritime Statistics. May 12, 2021.