

Sail into the future of shipbuilding with the power of cloud-based PLM software

Key trends impacting ship lifecycle management

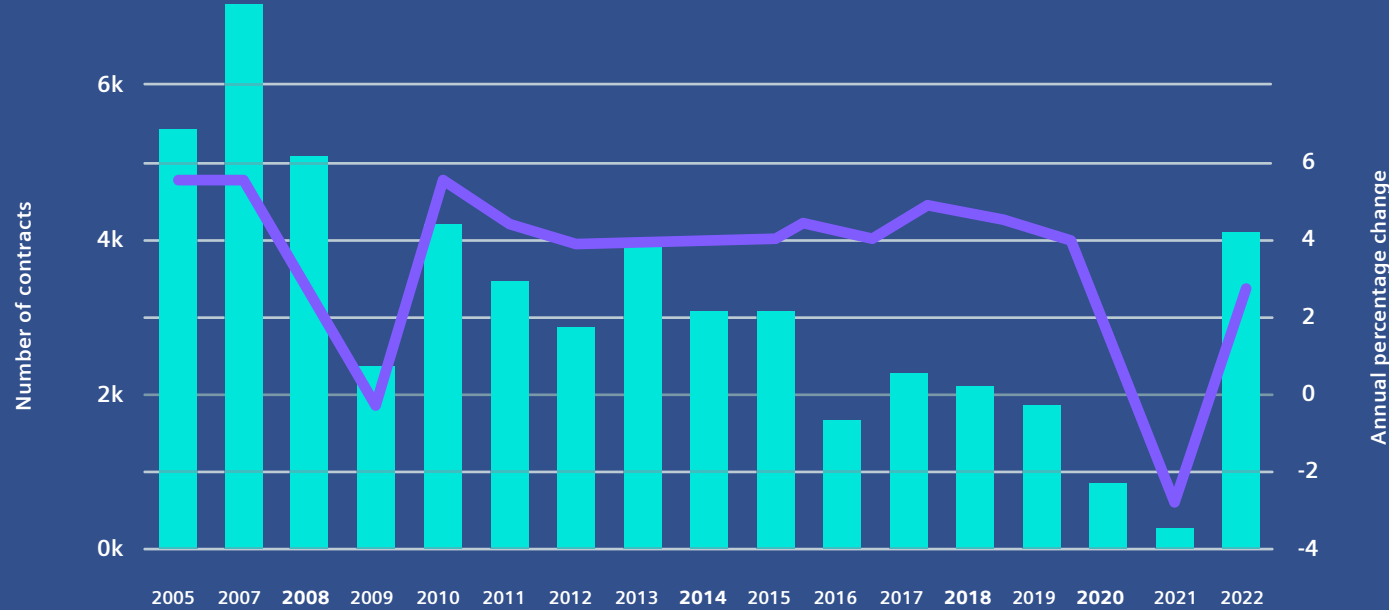
Intense global competition due to high market volatility

To win contracts, shipyards must meet stringent functional requirements while minimizing total cost of ownership

Economic uncertainty leads to increased competition in the newbuild market

Development of international maritime trade and global output (annual percentage change)

Newbuild contracting (number of contracts) World seaborne trade growth



Source: UNCTAD



Increased demand for high tech, autonomous, or multi-purpose vessels due to 4 drivers:

- Stricter regulations
- Sustainable operation
- Technological innovation
- Customer requirements



To stay afloat, shipyards must reduce risks of profitability loss, delays and penalties due to increased complexity

Environmental concerns drive the adoption of new technologies

Conversion of combustion engines / fuel system 66

Conversion of drive technology / propulsion system 50

Installation / use of scrubbers 42

Use of fuel cells 30

Digital retrofitting 23

New design for the bow 10

Another kind 6

The IMO has set the goal of reducing CO2 emissions related to maritime transport by at least 40 percent by 2030 compared to 2008. By 2050, total greenhouse gas emissions should be reduced by at least 50 percent compared to 2008.

CO₂



Source: SMM

Shrinking skilled labor force

To protect knowledge, shipyards need to capture and share experience safely and consistently along the supply chain and throughout the lifecycle

Take full control of the ship lifecycle with the flexibility of SaaS PLM

- ✓ Accessibility
- ✓ Flexibility
- ✓ Agility
- ✓ Resiliency

Fast Implementation

Solutions are operational in days

Instant Access

Anytime, anywhere data access

Flexible Provision

Scale up, scale down to meet your needs

Reduced Costs

Flexible business models & contracts; reduced capital costs

Advanced Security

Highest standards for privacy and data security

Work Efficiency

People and process optimization potential

Top two reasons businesses choose SaaS:



Source: Forrester Research, Quantifying the Business Value of SaaS

SaaS provides superior data security & protection



When a company uses a SaaS PLM solution, data security is the responsibility of the solution provider and its cloud partner...As a result, the likelihood of data theft and product development-crippling malware is much less than with on-premises PLM.

Source: Lifecycle Insights, The Business Case for Cloud-Based SaaS PLM



Solution Provider + Cloud Partner = **Greater data security**

SaaS typically beats on-premises on overall business value



ROI [return on investment] shows that SaaS is a good bet for long-term value.

Forrester report, Quantifying The Business Value of SaaS

The solution

Teamcenter X is SaaS PLM on the cloud, operated by Siemens

The leading choice in PLM

1 Leader in Forrester Wave PLM for Discrete Manufacturers

1 Siemens has the strongest offerings in PLM software -Transforma Insights

Source: Transforma Insights, Industry 4.0 Digital Transformation Service Provider Peer Benchmarking 2021 Report
Source: The Forrester Wave™: Product Lifecycle Management For Discrete Manufacturers, Q1 2023

What's next?

Discover more about Teamcenter X

Free 30 Day trial

