

## Classification in the Age of Disruption



### LISW17 Conference – Tomorrow's Needs

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## Shipping Super-Cycle 2003–2008 is gone



**Globalization**

**2 mega-trends have driven global trade and shipping to extremes**



**China**

**Safer and Cleaner Shipping**



## Where is shipping heading beyond 2020?



### World economy and population to grow

More people, more trade, more wealth, more conflict?  
World population and economy will continue to grow.



### The centre of gravity is shifting East

Developed nations will be driven to further specialize and diversify to stay competitive.



### Societal and regulatory pressure

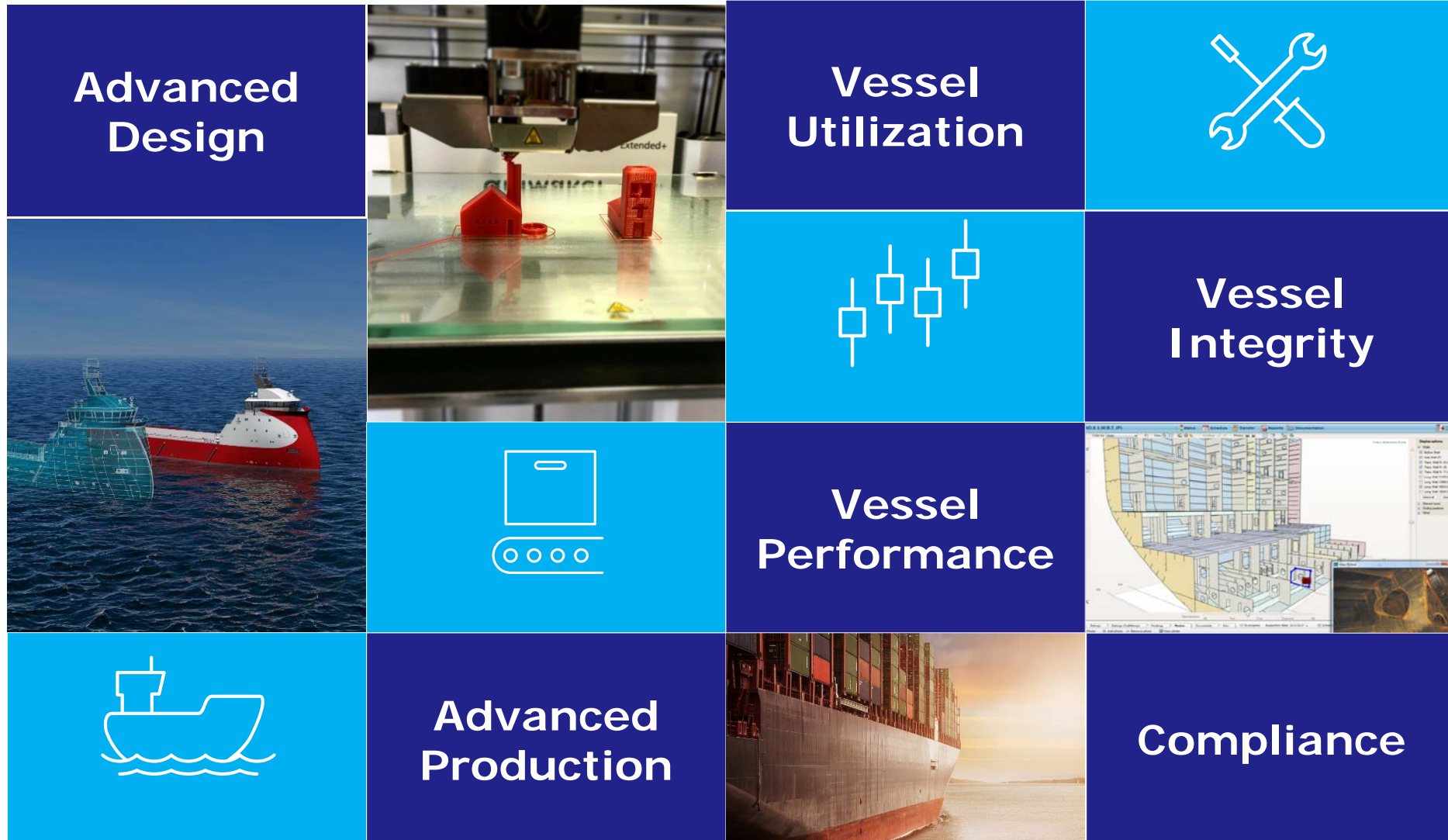
Shipping will be forced to lower its environmental impact leading to a more demanding operational framework, higher expectations and higher costs.



### Technology and connectivity

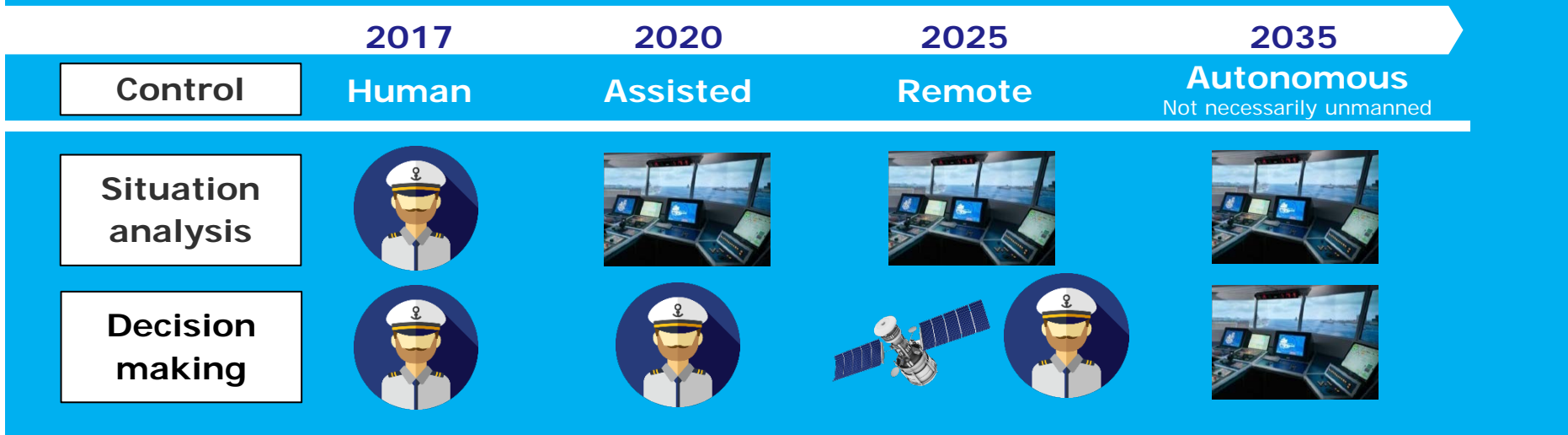
The biggest change will be the way ships are powered and connected. The thrive for energy efficiency and low-carbon solutions will result in a new range of fuels. Digitalization will gradually transform shipping.

## Digitalization will transform the industry





## Autonomous Shipping – Science Fiction?



## Role of Class

- Shipping has utilized self-regulation through Class for over 200 years – a **trusted mechanism that remains relevant and future proof.**
- Class plays a key role in the **continued development, implementation and regulation of maritime technologies** by bringing familiar assurance processes to new and unfamiliar technologies.
- Class has the practical experience, scientific expertise and personnel to **cope with this growing complexity.**
- The **role of Class will expand into new verification fields**, e.g. cyber security, assurance of data quality, and sensor-equipped cyber-physical systems.

In a challenging and ever more complex market, **classification is more relevant than ever.**



## Role of IACS

- The current tectonic shifts in markets, regulations and technology make it crucial that **IACS retains its position as a reliable and trusted technical association** with high performance and superior quality standards.
- IACS members classify more than 90 per cent of the world's cargo-carrying tonnage, ensuring the **highest quality standards** and a **reliable self-regulating safety regime**.
- IACS is also working to adapt regulations to new needs and **remove regulatory barriers that are hindering new technical advances**.
- In particular, in the emerging field of digitalization and automation, **IACS actively supports IMO's work on the regulation of new technologies**.
- Putting **classification even closer to the core of IMO's responses to regulatory issues** can benefit the IMO, flag states, and the entire shipping industry.