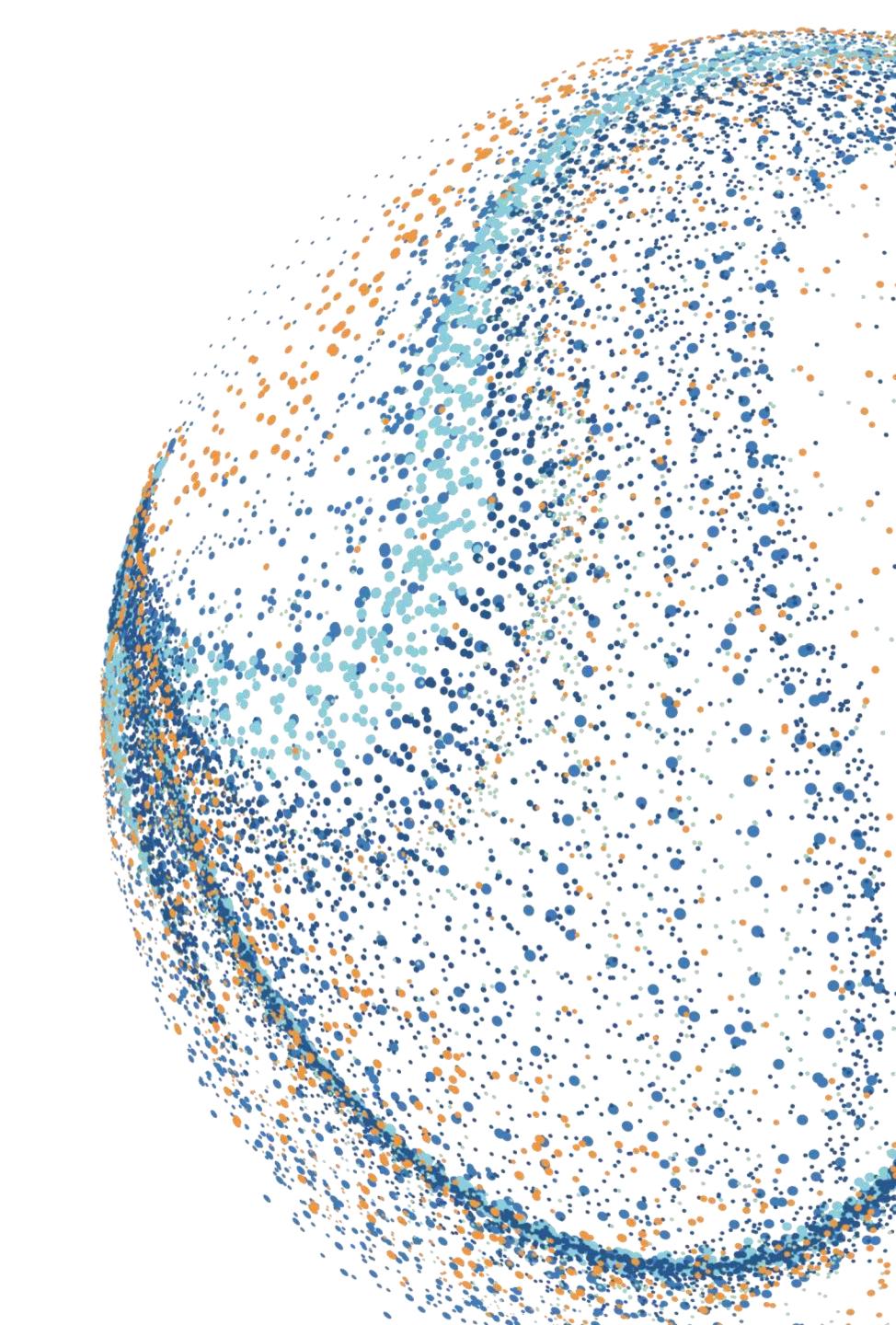
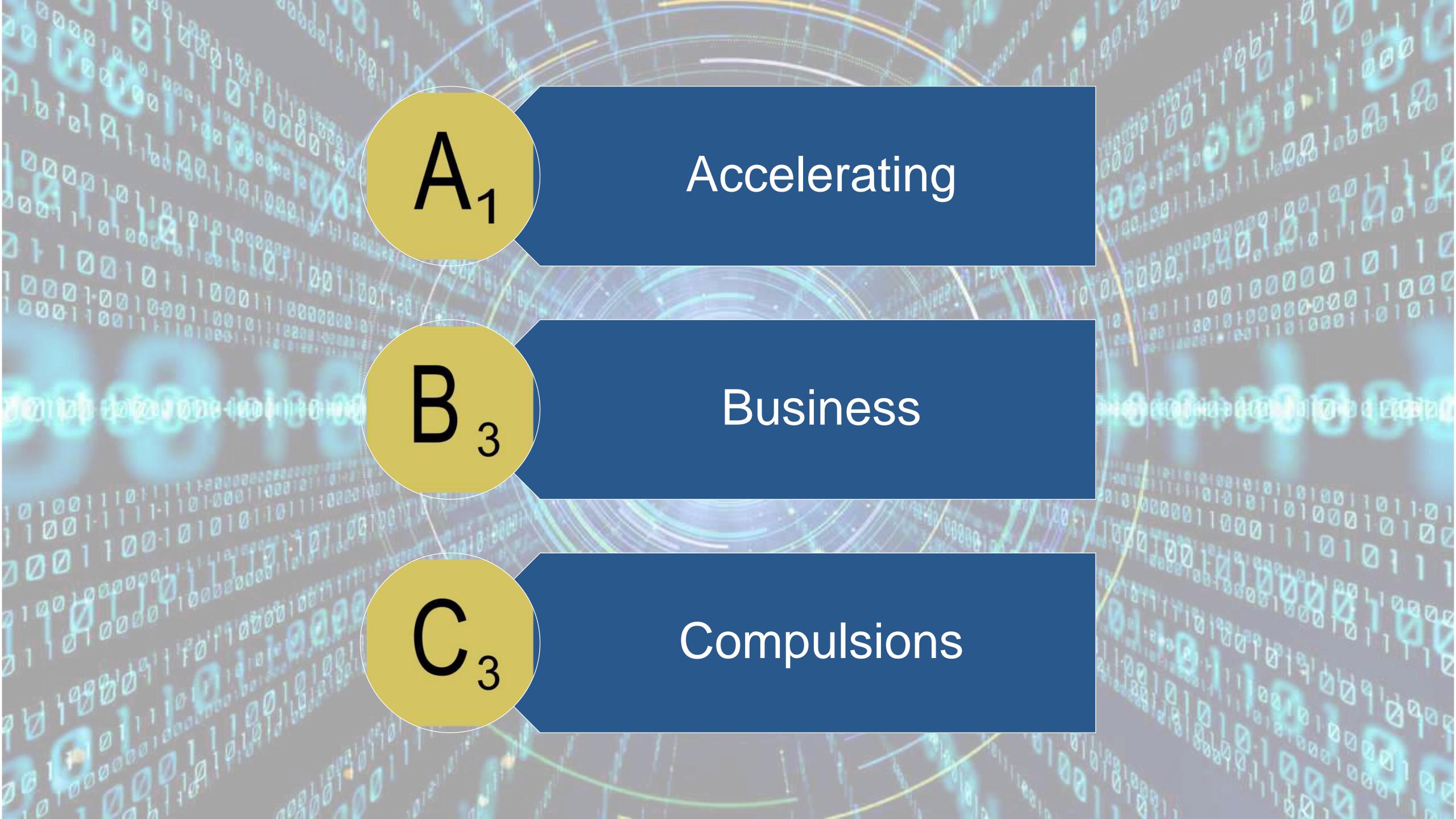


ABC for Digitalisation

Nakul Malhotra Vice President, Technical Solutions & Marketing Marine Products

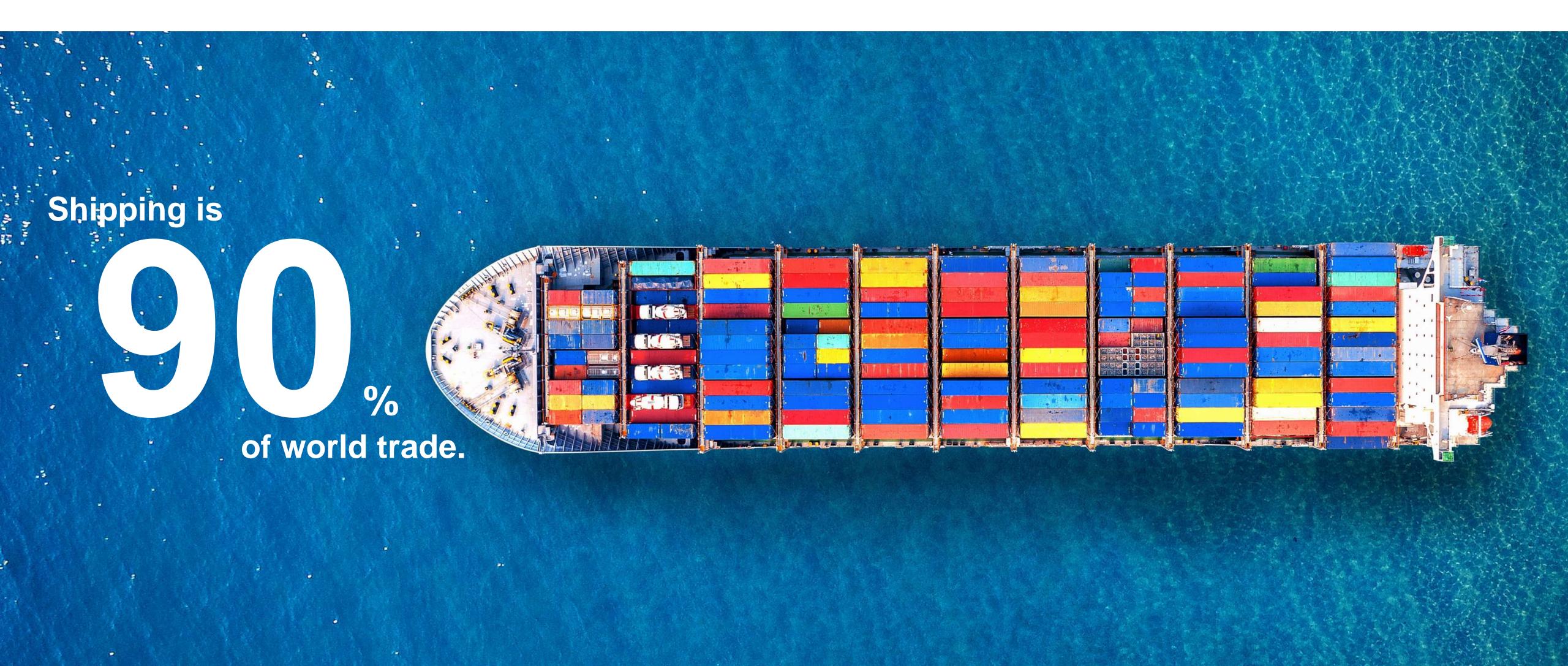






The maritime industry a crucial part of everyday life

- In an industry driven by regulations, we face threats from disruption and often take a reactive stance
- Now we're modernizing and looking outside the industry for technological competencies we can adopt

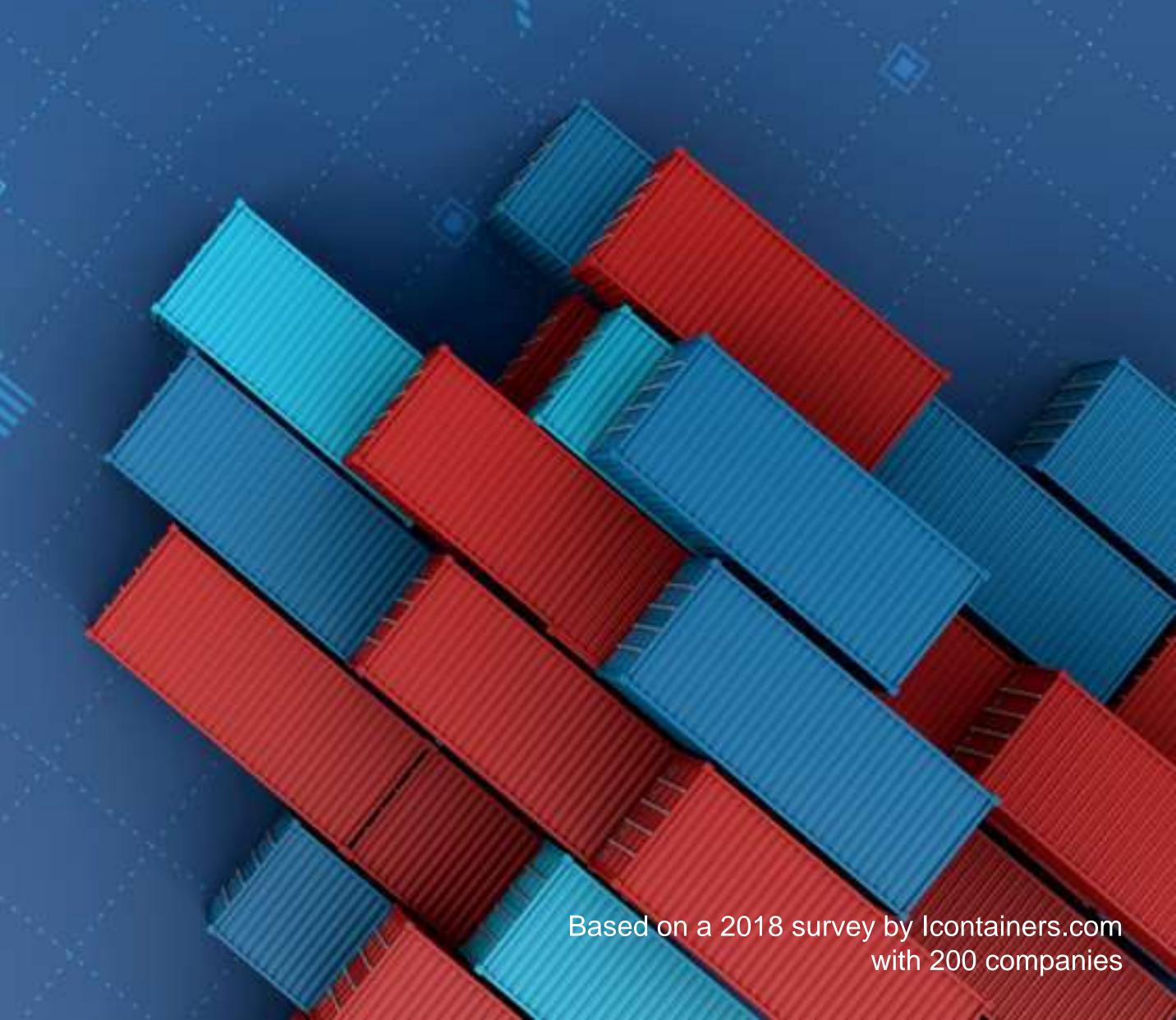


96%

believe in technology adding value to shipping operations

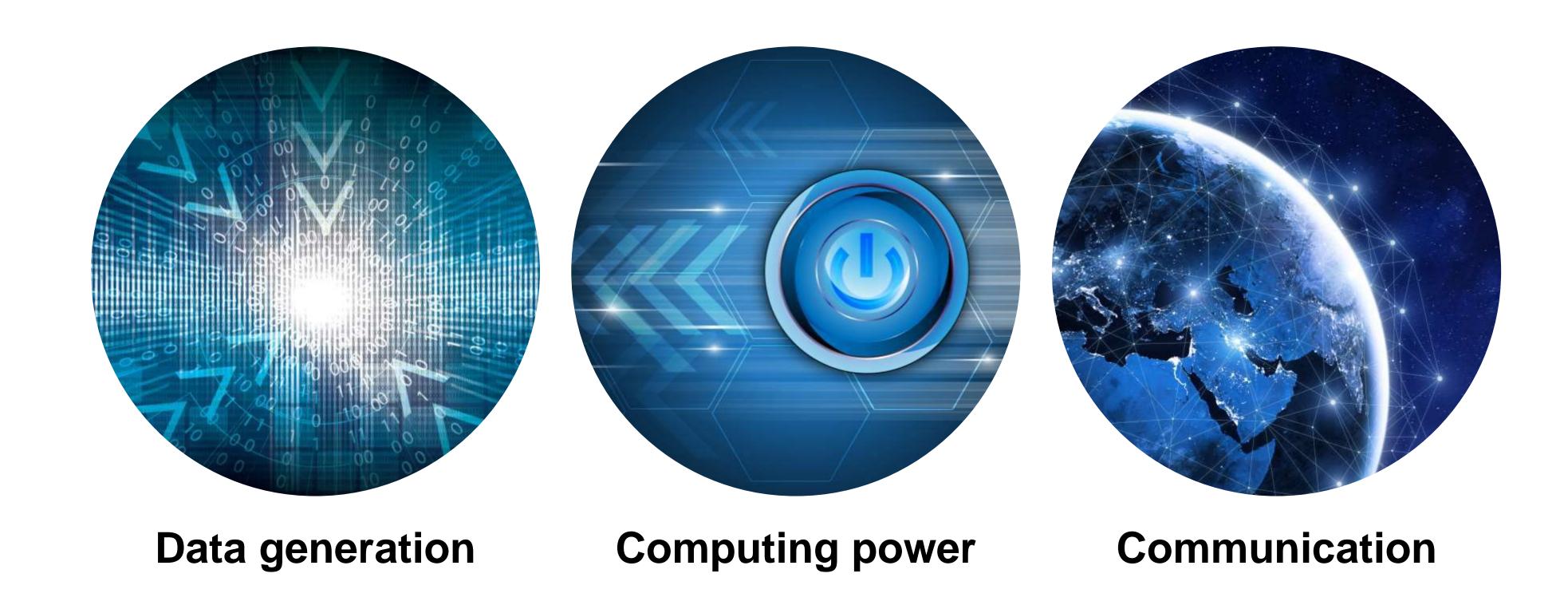
720/0

have actually tried



Why Now?

The trinity of Industry 4.0 convergence:



- Shipping has tons of data, but they're localised and siloed
- Access to computing power is readily available today
- In deep sea, communication used to be a challenge but is now being bridged

Accelerating data rates have changed the world

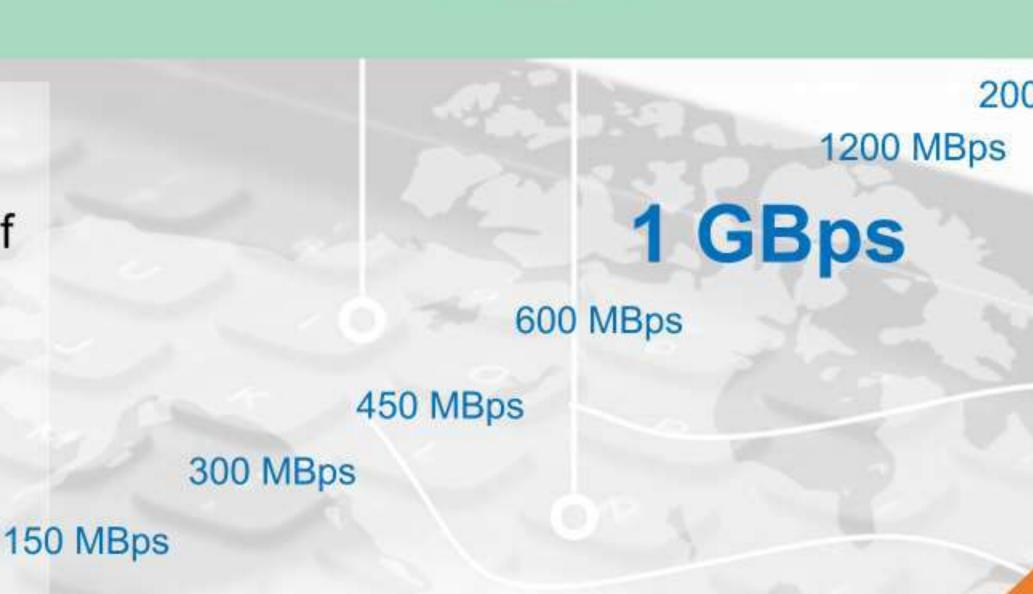


5 GBps



As mobile technology advances to increase the supply of wireless broadband, new applications, business models and life-changing functionality have followed.

Use of texting, email, social media, mobile commerce, streaming media and so much more have built on the foundation of each new wireless technology standard.



100 MBps

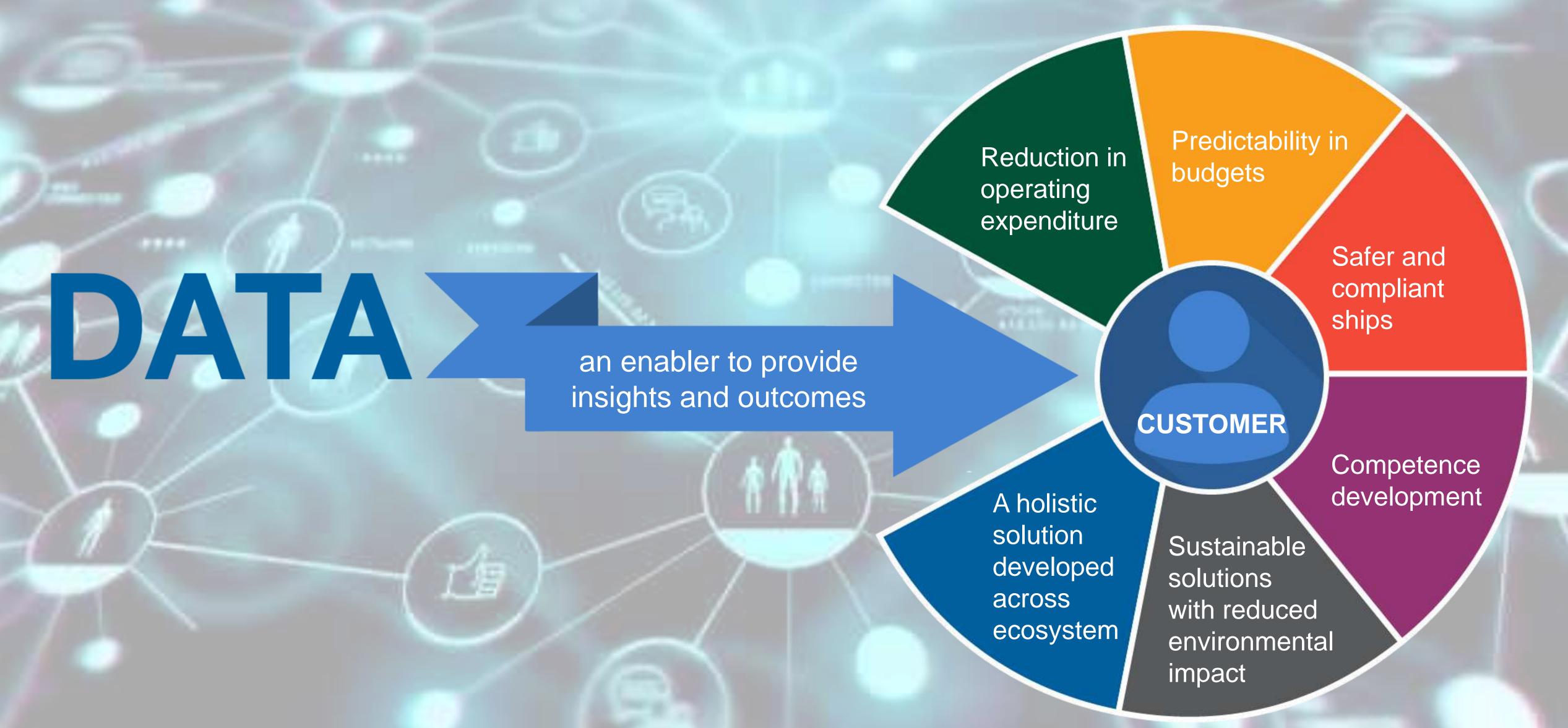
21.1 MBps

10.2 MBps

7.2 MBps

1.8 MBps

Transformation through digital services enabled with data will deliver more value to meet our customers' needs



PHYSICAL DISTANCE



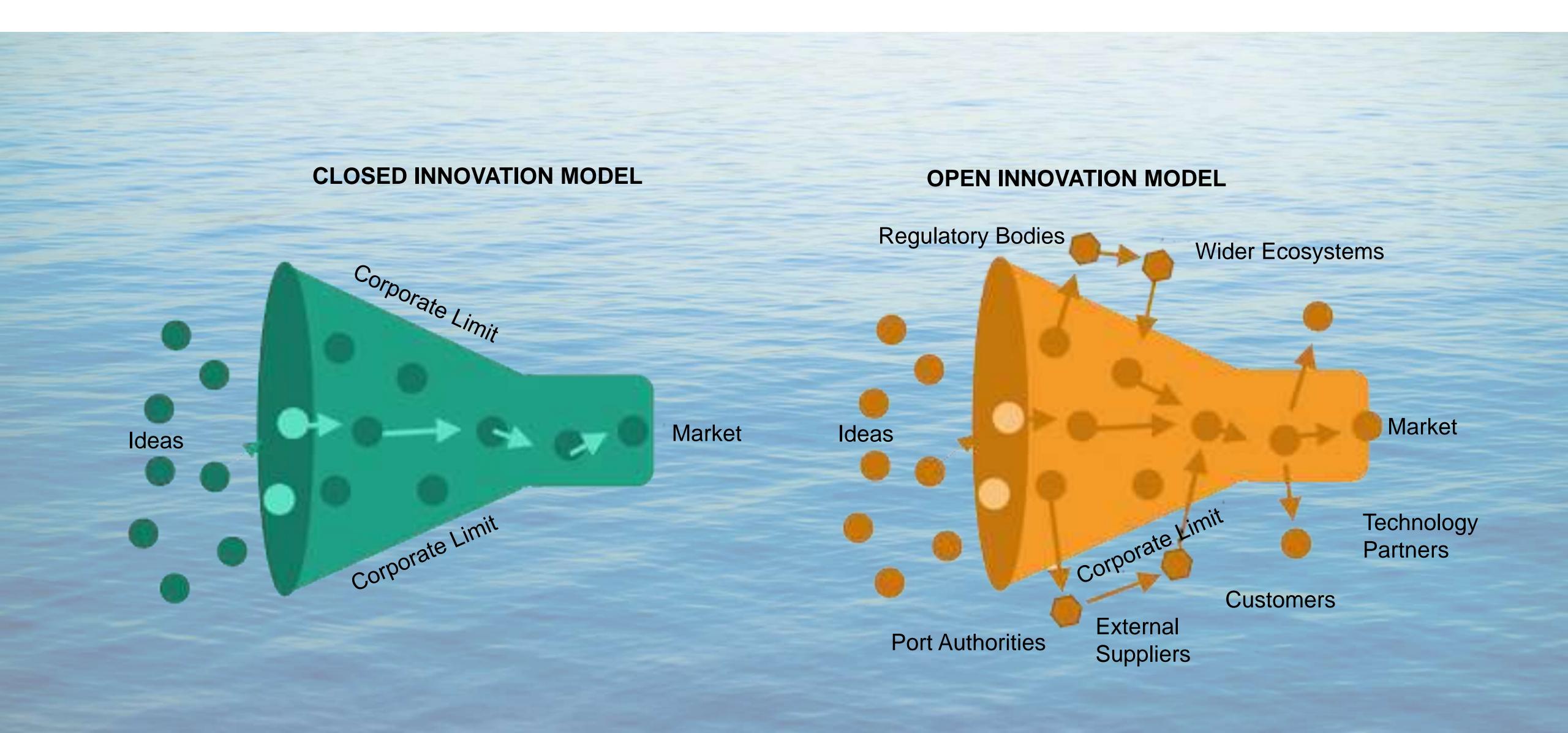
SOCIAL DISTANCE

PHYSICAL DISTANCE



LOW TOUCH/ NO TOUCH OPERATIONS

Open Innovation



INNOVATION = INVENTION

Making decisions

How do we qualify what we should work on?



Can we do it?

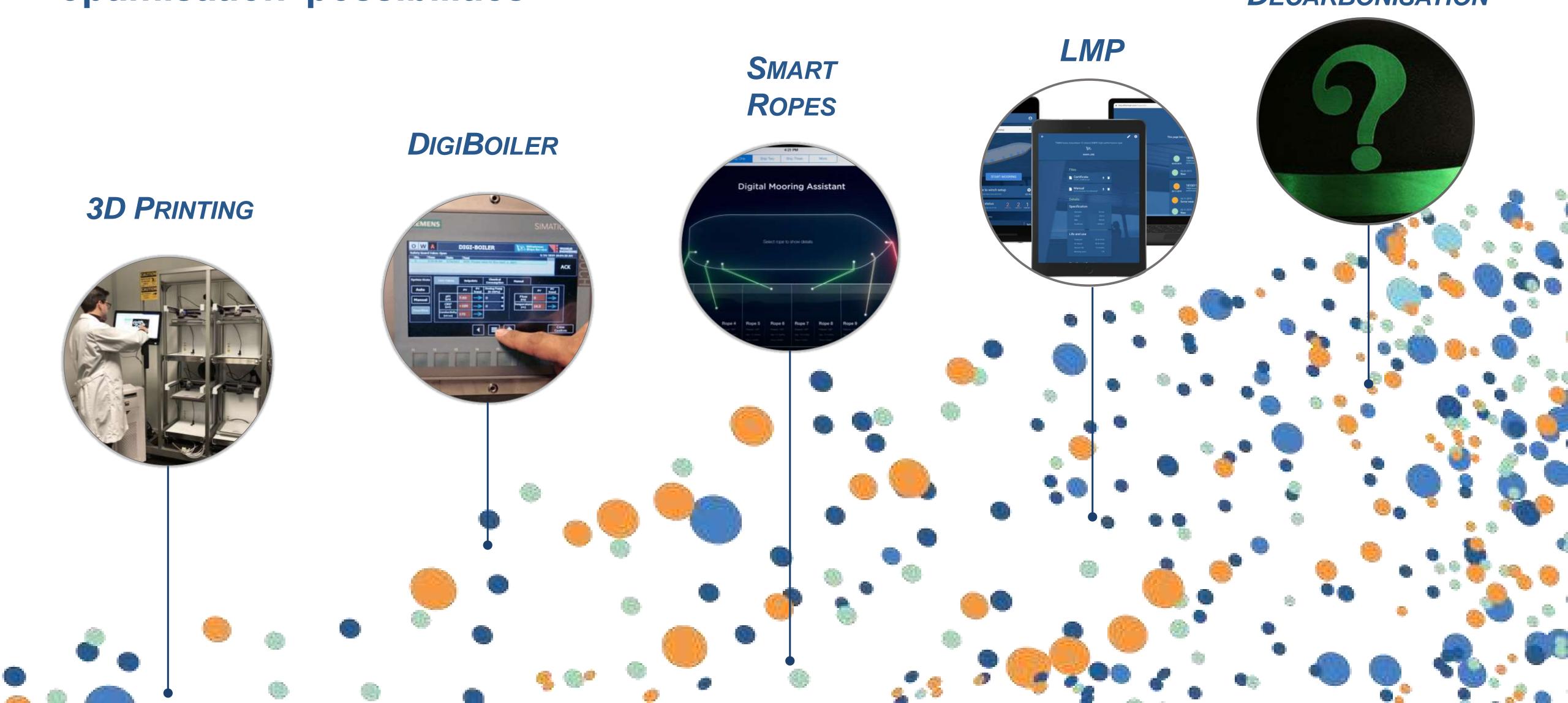


Is there value?



We are transitioning to the digital age through multiple initiatives that will not only improve the customer experience but also provide 'deep optimisation' possibilities

Decarbonisation

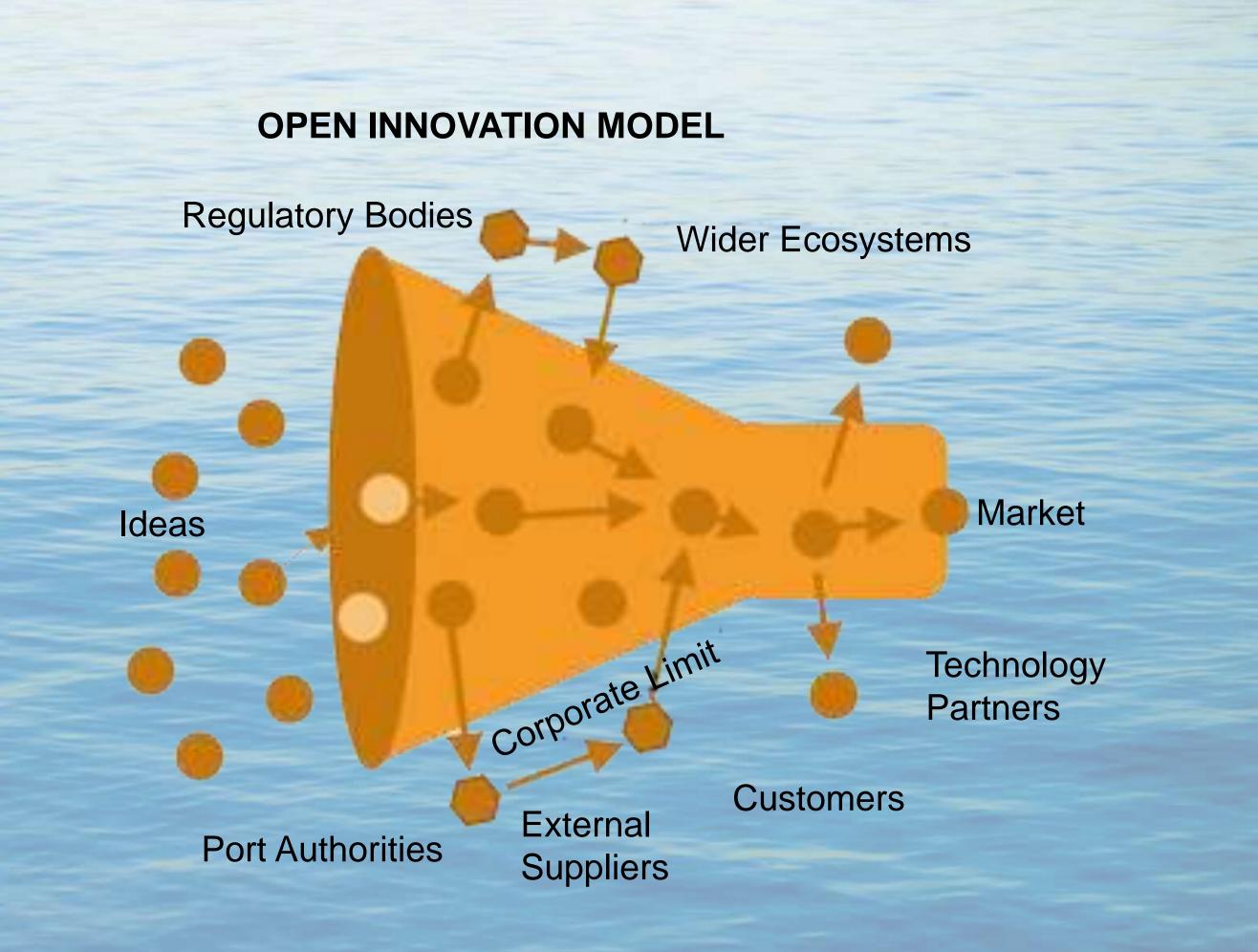


Open Innovation

Not only can venture developments co-exist, but they can also help to migrate core business.

Our digital ventures pipeline is constantly evolving.

As new ideas come to life, markets progress and technology develops, so does our pipeline.



Transformation doesn't happen at the flip of a switch.

It is a journey you set sail on to provide optimized outcomes for stakeholders.

Without that, transformation is meaningless.





