

APM on Demand 10. June 2020

DIGITAL INNOVATION AND COVID-19

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1. HAFNIA

2. OBVIOUS CHALLENGES COVID-19

- **GLOBAL OPERATION AND LOCKDOWN**
- **CYBER SECURITY**
- **VIRTUAL MEETINGS**

3. CHALLENGES NURTURE OPPORTUNITIES

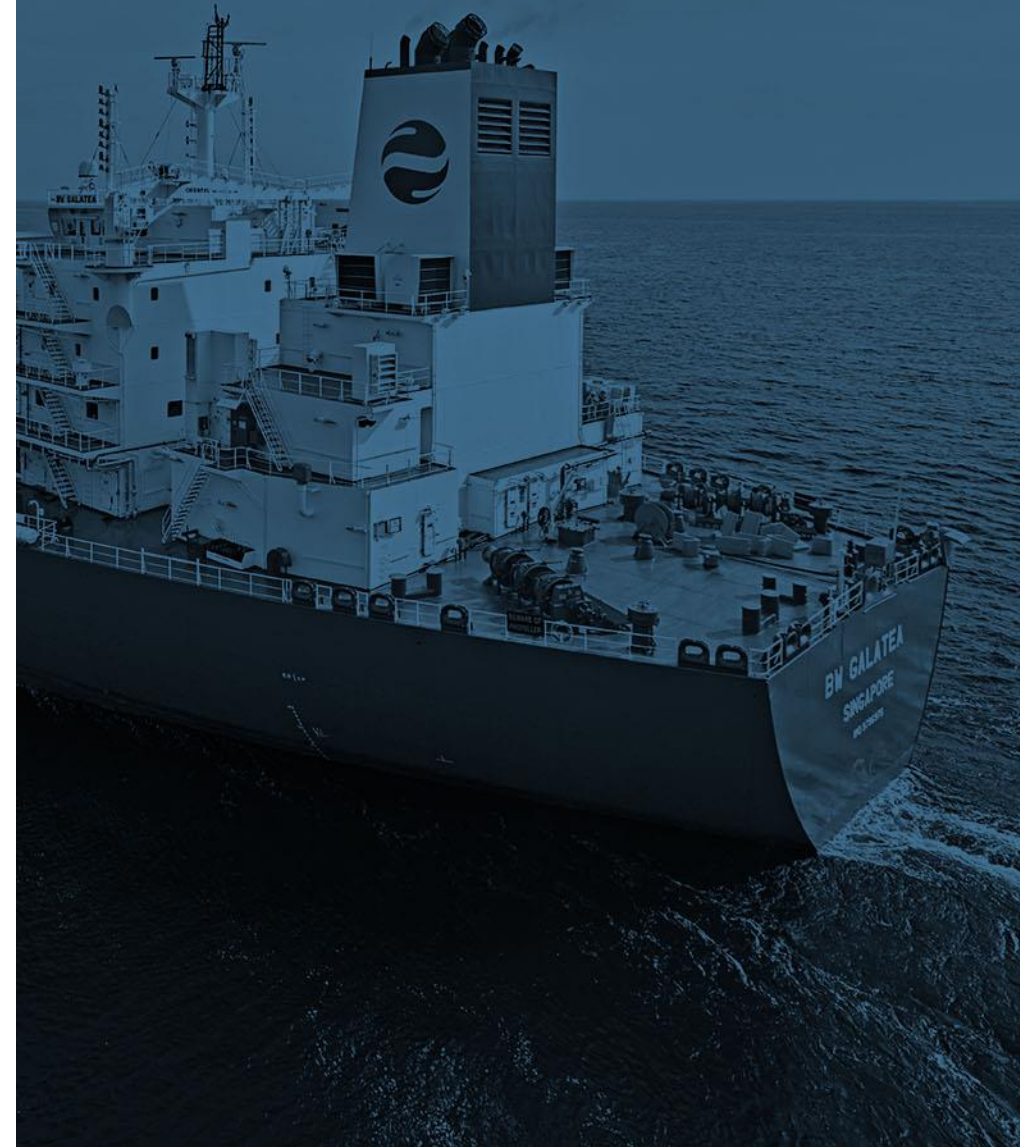
- **INNOVATIVE THINKING**
- **DIGITAL SOLUTIONS**

4. THANK YOU

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HAFNIA

- Global Product tanker owner/operator
 - Operates around 200 product tankers
 - One of the greatest and biggest
- Merger of BW Tankers and Hafnia Tankers Jan 2019
- Operates in Singapore, Copenhagen, Houston
- Offices also in Monaco, Manila and Mumbai
- Listed on the Oslo Stock Exchange Oct 2019



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OBVIOUS CHALLENGES COVID-19

- **GLOBAL OPERATION AND LOCKDOWN**
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- **VIRTUAL MEETINGS**

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GLOBAL OPERATION AND LOCKDOWN

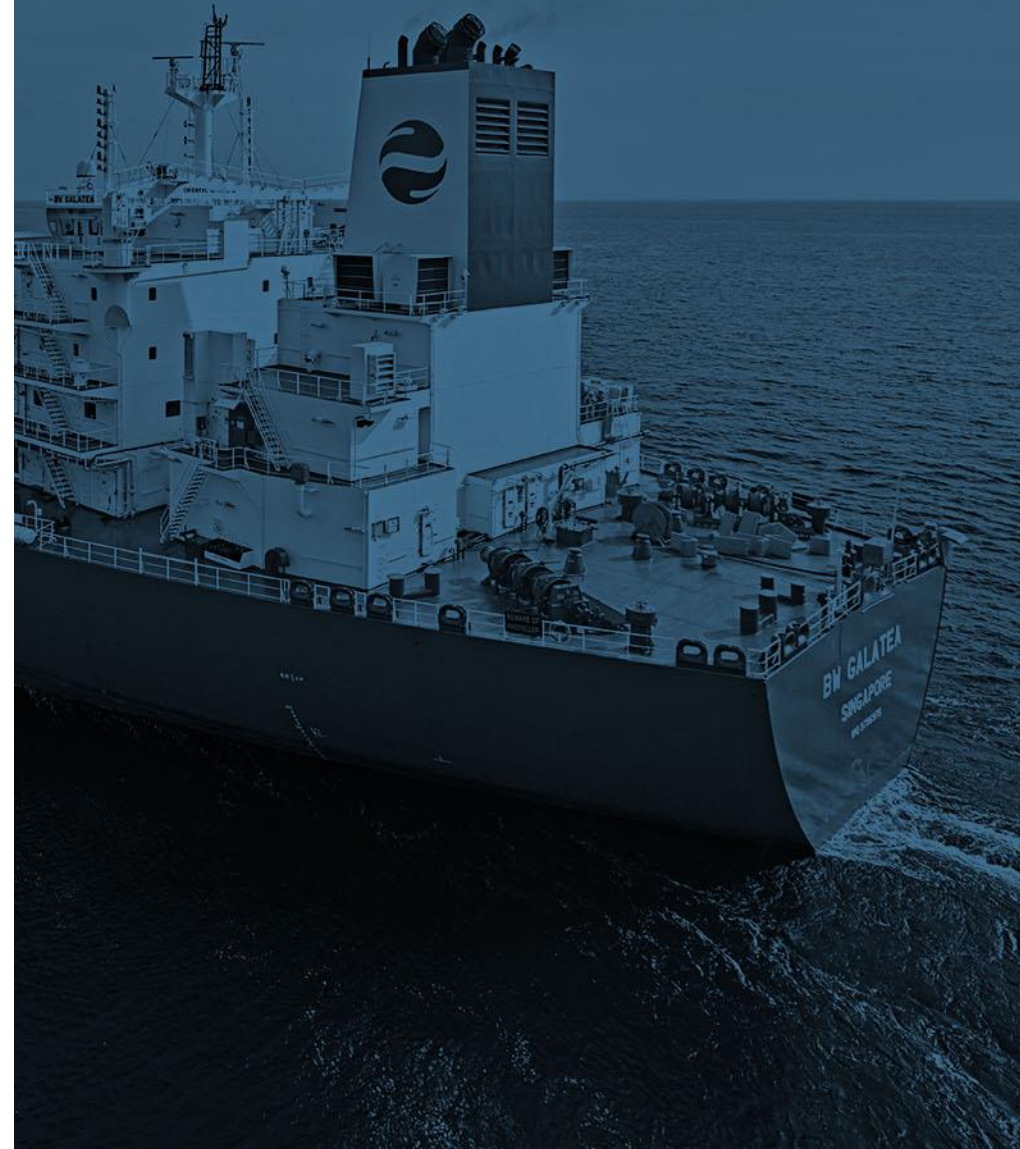
- Sending people home, what do you need
 - Hardware?
 - Dual screen setup and workstations
 - Internet connections
 - VPN ?
- Looking at your services and do a fast move2cloud
 - What can you move and can you do it without service breakdown
 - For what you cannot move, how do you optimize for remote access



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CYBER SECURITY

- High rise in attacks
 - Spam filters got more than 200% more mails
 - Globally activity raised significantly
- Let security follow the user
 - Users move outside the secure perimeter
 - Secure the identity and data
 - Move to cloud



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VIRTUAL MEETINGS

- Virtual meetings become business critical
 - Local internet connections
 - Security on the platform
 - Hardware devices



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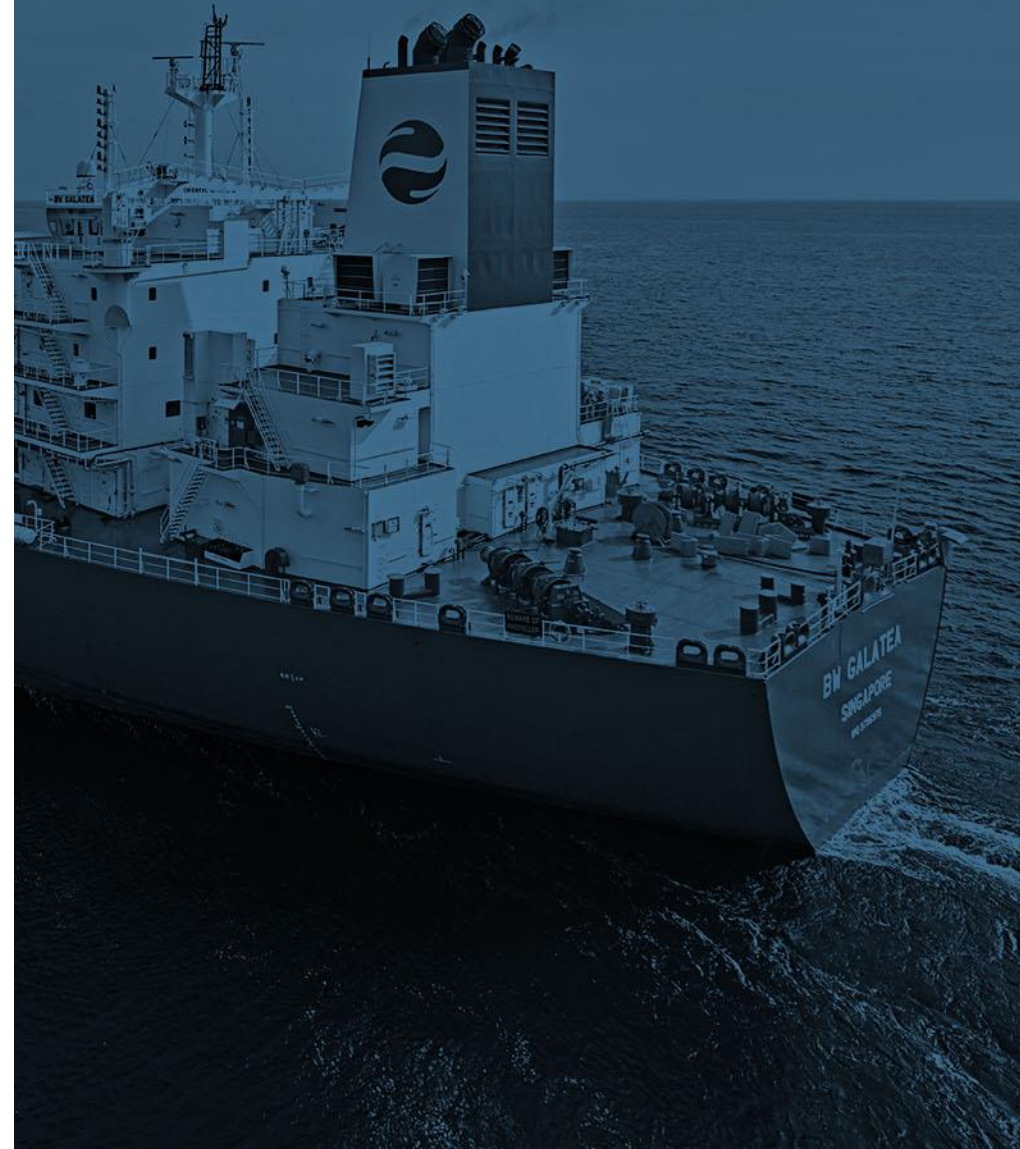
CHALLENGES NURTURE OPPORTUNITIES

- **INNOVATIVE THINKING**
- **DIGITAL SOLUTIONS**

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INNOVATIVE THINKING & DIGITAL SOLUTIONS

- Operations
 - How do we get supplies and spare parts on the vessels when no one is allowed to go on board
 - How do we maintain our vessel compliance
 - Can we extend the onshore VC capabilities
- Partnerships
 - Can we optimize docking
 - Digital Twins and Virtual 3D solutions



THANK YOU

