

HOW PORTS BENEFIT FROM A HOLISTIC APPROACH TO FENDER SYSTEM DESIGN

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INTRODUCTION.

WHAT IS A HOLISTIC APPROACH ABOUT AND WHY SHIBATAFENDERTEAM

- ▶ Many different aspects need to be considered when designing a fender system
- If the focus is only on a few of those aspects, the quality, durability and the guaranteed safety that is expected from a fender are lacking
- A holistic approach
 - ▶ takes all aspects into account
 - > values them equally, sees them as interconnected and as one single process
- Incorrect designs or low-quality products can lead to severe cost in terms of repair, downtime or even accidents
- ► A holistic approach to fender system design is important for the industry to ensure reliable, safe and efficient operations for ports.

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INFLUENCES ON THE PERFORMANCE OF FENDER SYSTEMS.

- 1. PROJECT CONDITIONS
- 2. THE DIFFERENT COMPONENTS OF A FENDER SYSTEM AND THEIR INTERACTION
- 3. THE MANUFACTURING PROCESS







TYPICAL PROBLEMS OF POOR FENDER SYSTEM DESIGN, RESULTING CONSEQUENCES AND CORRECTIVE MEASURES.







APPLICATION OF FENDER SYSTEM DESIGN.

"What looks good in a drawing, might not work in the field".

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