SKILLSEA

Energy Efficiency Awareness

The Human Factor Prof. J. B. Jensen



Source:https://www.wartsila.com/marine/optimise/voyage-and-vessel-efficiency



Learning outcome

Solution By the end of this session, you should be able to:

- Express to others why energy awareness is such an important factor in optimising operations
- Be in control of your own attitude towards the topic
- Demonstrate basic knowledge of good commication principles
- Solution The above criteria must be fulfilled along with criteria in Power consumption and Energy efficiency awareness lessons to:
- Solutions Operate vessels commercially and energy efficiently, in accordance with environmental regulations.



Content

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S Attitudes and perception towards energy efficiency

- Importance
- Current attitudes, perceptions and opinions
- Improvement considerations

S Communication

- Internally on a vessel
- Externally between vessel and office





Importance – The Human Factor



Bouman, Lindstad, Rialland, & Strømman. (2017). State-of-the-art technologies, measures, and potential for reducing GHG emissions from shipping - A review.





Attitudes towards "The Green Agenda"

What attitudes exist on vessels? What attitudes exist in the office? Solution What attitudes do you have?

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Improvement and Ideas

Most Dangerous Phrase: We've Always Done It That Way

Systematic improvements

- SEEMP
- EEOI
- Serformance data



Source: https://www.wartsila.com/marine/optimise/voyage-and-vessel-efficiency







Communication internally

Context: Energy Efficiency

Solution Bridge, Deck and Engine have to be able to communicate well.

- It is important to know not only what to do, but also why
- Understanding what work others do can help to improve efficiency.
- In doing your own work remembering not to put hindrances for colleagues can help improve efficiency.

S All of the above can be achieved by good communication.

STrust must be built and maintained





Communication Externally (same points)

Context: Energy Efficiency

Solution Solution Solution State of the second seco

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Exercise – Group Discussion

- Solution Who onboard has the greatest impact in relation to energy efficiency and performance, and why?
- Second Se







Thank you





