Energy awareness – do we need a definition in order to implement it onboard?

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Background

For effective and steady implementation of the adopted measures, raising awareness of and providing necessary training for personnel both on shore and on board are an important element. (SEEMP, IMO)

Successfully implementing measures means to a great extent changing behaviour of both onshore and onboard staff. So far little has been done to manage this process professionally. (DNV-GL 2014)

“Awareness” shows nearly the lowest implementation so far but is planned as number one with 28% for 2015. This is a clear indication that shipping companies struggle with implementation of measures and acknowledge the need to address the human factor. (DNV-GL 2015)
Energy Awareness

What??
Cases
Method and Data

Data used for the present study includes a wide range of qualitative data - documentary data, interviews, workshops and observations on board the vessels.

A total of 49 interviews were conducted in the period September 2015 - January 2016

- In company A
  - Office: 4 interviews with representatives from both the technical and HSQE departments
  - Ship: 20 interviews with the crew on board the ship when it was in the harbor

- In company B
  - Office: 4 interviews with representatives from both the technical and HSQE departments
  - Ship: 21 interviews with the crew on board the ship in the harbor and during 5 days of fieldwork at sea

Specific company information, including policies (especially environmental policies), operational guidelines and procedures from the Safety Management System (SMS) and other internal documents, including internal webpages, HSQE programs, etc., were studied. The content of the ship energy efficiency management plan (SEEMP), together with the use of the plan, was examined in detail.
First Conceptual Model

- procedures
- SEEMP
- shipping company
- working praxis
- technology
- energy optimizing
- attitudes
- planning
- charter

DEPARTMENT OF TECHNOLOGY AND INNOVATION
Reality
Results

Perception:
- Shipping company – Crew
- Shipping company – Charter
- Brigde – Engine room

Challenges:
- Contract
- Economy
- Time
- Safety
Questions?

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