

Request for information

Energy Efficient Cooling Systems - with Dynamic valves



In order to establish the business case for the optimization of low temperature fresh water cooling system with Frese Dynamic valve technology and variable frequency drives on pumps the following information is requested:

1. Vessel Name
2. P&ID for low temperature fresh water cooling system and sea water cooling system
3. Heat balance for fresh water cooling system
4. Main engine/propulsion engine make, type and rating
5. Operational profile of the vessel or propulsion engines. How much is main engine or propulsion engines running at different engines load during a year:

Operational profile

ME hours	XXX	Hrs/year
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ME load (%MCR)	ME Time %
90	XX
80	XX
70	XX
60	XX
50	XX
40	XX
30	XX
20	XX
10	XX
0	XX

Port Hours	XXXX	Hrs/year
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6. Existing fresh water pump data sheet – preferable including pump curve and motor data
7. Existing sea water pump data sheet – preferable including pump curve and motor data
8. E/R arrangement drawing for identification equipment location.
9. Fuel type, SFOC (g/kWh) and fuel price for onboard electricity production.
10. Contact person for technical follow up questions related to the establishment of business case.

The information will be treated confidentially.