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A comparison of comfort on cruise ships with and without PODS

Two cruise ships of the same class have been designed with two different types of propulsion: the prototype, with a conventional shaft lines propulsion system, while the sister ship, at request of the Ship-owner, it has been designed with POD propulsion.

The vibrations on the aft vault are mainly generated by the hydrodynamic pressures induced by the propeller. In that way Fincantieri took this opportunity to make a comparison in terms of comfort between this two types of propulsion.

This paper reports the measurements of noise and hull linear vibrations in the stern area carried out during the official sea trials of both vessels.

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