



BESST

Breakthrough in European Ship
and Shipbuilding Technologies

Public Summary *WPO8-III.1*

Design for Easy Refurbishment – Achievements and results after the first year of activity

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The cost for refurbishment of a cruise liner during its lifetime is almost as high as building a new one. Besides the cost for the refurbishment it is the out of service time which adds to the bill and the refurbishment process itself is producing high amounts of garbage which is difficult to recycle.

This work package aims at an optimized ship design with new concepts to achieve an easy refurbishment of future vessels by using solutions for significant reduction of refurbishment cost and time. To set the baseline for improvements, an Analysis of the actual refurbishment situation was done for building up a knowledge base for the upcoming tasks.

As there is no repair yard participating in the BESST consortium profound knowledge about this special field in passenger shipbuilding had to be obtained from outside. To gather the required information a questionnaire was developed by all partners and interviews were held with several repair yards. The repair yards turned out to be very cooperative and participated actively with giving detailed information of their business.

In order to improve both the competitiveness of the European yards and their clients, the ship owners, it was also necessary to get owners opinions about easy refurbishment. Therefore several interview partners could be won.

A great amount of information could be gathered due to the good cooperation with the owners.

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