

Abstract Summary:

REEDEREI NSB and NSB Marine Solutions, member of NSB GROUP found a way to keep existing Panmax container vessels competitive in today's market environment. As the first company worldwide REEDEREI NSB has developed and successfully implemented a concept to widen Panmax container vessels with its engineering partner Technolog GmbH from Hamburg and branch in China, which is specialised in High-End-Engineering and Ship Design for Newbuildings and Conversions. This innovative concept of the Widening will increase the TEU capacity of a container vessel by roughly 30%, and the IMO Energy Efficiency Design Index (EEDI) achieved will meet the regulations applicable in 2025. Results: More cargo, higher stability, less ballast water and reduced fuel consumption per container.

MSC Flamina conversion to ECO-Ship

After a serious fire on board of MSC Flaminia the container vessel had to be repaired in dry-dock by installation of a new mid ship section.

To take the chance as well a new bulbous bow was installed, a new slow steaming propeller, a fix TC Cut Out trim optimisation software embedded in the loading computer software and an online monitoring system as well as a ballast water treatment system were installed

Sea trial and service results will be shown in this .

MSC Geneva Widening

The work progress of widening will be demonstrated for MSC Geneva and sister vessels.

The results of sea trial and service the widening project of MSC Geneva by increasing the EEDI up to 30% will be demonstrated.