

Abstract

Container ships are becoming increasingly larger and can transport more and more containers in one trip. Making cargo plans for mega container ships can become a very complex matter. The diversity of containers or the variety in dimensions, could that be responsible factors?

The purpose of the previous study was to verify whether the container is as standard as we all think. We want to know if we can delete the image of the standard container in our head. The research question therefore is: Is the container as standard as expected? – Containers and handling material. This literature study first showed that there is a very varied market offer in the field of containers. It can also be decided that not only containers, but also the container handling material as well as the material to secure and secure the containers is very diverse. These materials are designed and adapted to the type of container, the load, the location on board and the different dimensions of containers.

This study examines whether there is a worldwide need for a new uniform system, which problems occur in practice and which solutions are possible. In order to be able to formulate an answer to the above research question, a survey and several interviews were conducted. On the one hand, these studies showed that there is a need for a new concept for planning containers on board and at the terminal, and several possible solutions were offered by respondents. On the other hand, it is confirmed that there are many problems in the work field that complicate the planning process.