

Container slot definition

Already for a long time, a *graphic container module* has been available for our loading computer software Locopias. This module makes it possible to quickly load containers and to generate the weights and centres of gravity for the purpose of the PIAS stability module.

Recently, the PIAS *layout module* has been finished. In many places in PIAS layout data are registered, such as, for example, the hullform, the compartments and the container locations. The layout module centralizes all these elements, and can perform the following actions with that :

- Composition of a schematic general arrangement plan
- Generation of DXF-representations of 3D cross-sections and configurations of container slots and compartments, which form the basis of a general arrangement plan.
- Check on overlap between container slots and compartments.

The layout module has been discussed in detail in our newsletter of March 16, 2004.

The layout module and the graphic container module are available for PIAS users. However, in order to be able to use the container arrangement, first all container slots must be defined once. Until recently, this happened by manually entering the slots in a text file. Initially, the container module was meant for Locopias and the input of the container slots was done by SARC itself. The way of input strongly differs from standard PIAS input procedures. Due to this we were reserved about supplying this module to clients.

Because of the recent finishing of the PIAS layout module and the increasing demand for the use of the container module by PIAS users, we have written a *Container slot definition module*, with what the container arrangement can be entered via menus and input screens.

Summarized briefly, this module has the following functionality :

- After input of the 20ft slots, automatic generation of 30ft and 40ft slots
- While generating the container arrangement, it is automatically determined which containers already have to be positioned in order to allow positioning of a container in the slot concerned (floating containers are not allowed). It is also determined which containers do not allow positioning (e.g. in case of overlap).
- Deviating, non-standard slots can be added manually by means of an input menu
- Control function on consistency of the defined slots (overlap, floating containers, wrong breadth, height or length of slots, etc.)
- For the side-view one of the wind contours defined by PIAS can be read in.

Availability and prices

The container slot definition module is delivered with the graphic container module and the layout module of PIAS. These modules can be supplied promptly. The price for the graphic container module amounts to € 1,160.00. The price for the layout module amounts to € 1,400.00

The manual is available in PDF format which can be downloaded from our website.

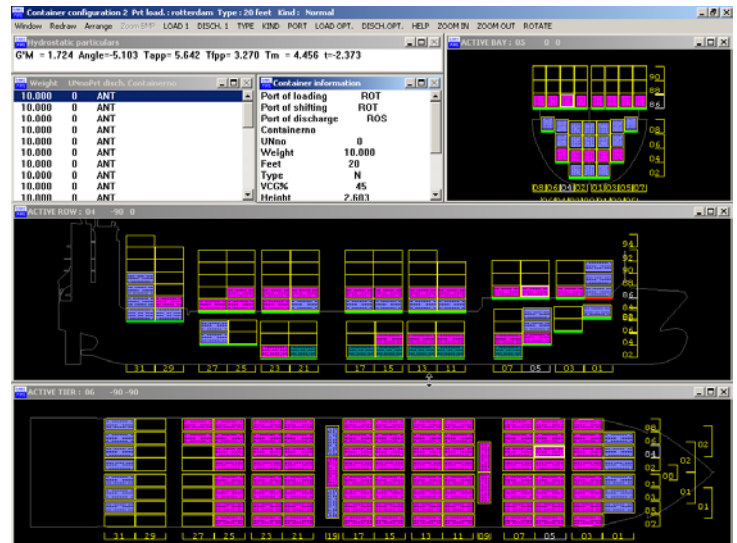


Figure 1 - graphic container function of the PIAS stability module

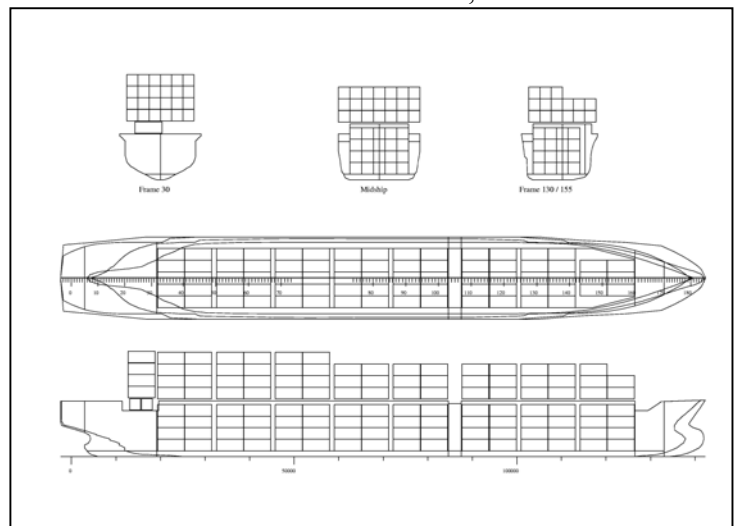


Figure 2 – PIAS layout module