

**The ideal dry-docking system
for multipurpose yards**



LIFT-DOCK and transversal transfer carriage for 6500 tons nominal lifting capacity (NLC)

lift-dock®

— fast, safe, flexible ... and proven

The ideal dry-docking system for shipbuilding and shiprepair

Fast docking

From docking to dry-land, parking takes a minimum of time compared to other systems. This is due to the minimal separation of the lift-dock® and transfer arrangement.



0.0 min The platform is being lowered



+ 30 min The vessel is being moved above the platform



+ 150 min The vessel is lifted



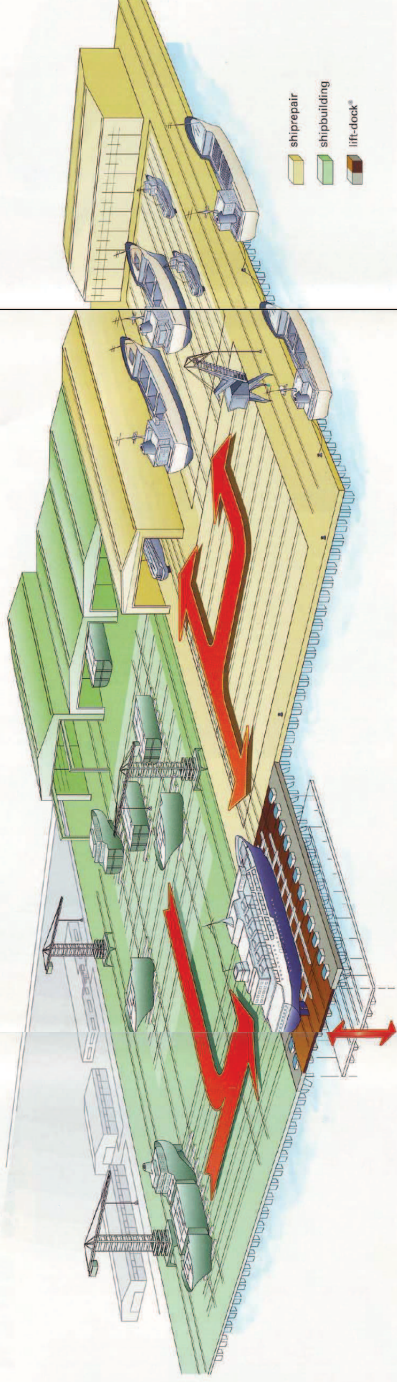
+ 180 min The vessel is being transferred to offshore berth position

Safety

The lift-dock® system offers maximum all-round safety for the vessel and the staff. This is due to the HIGH PERFORMANCE ROPE and CONTROL SYSTEM.

Flexibility

The lift-dock® system is an air-raised docking system, which is not subject to any limitations in terms of construction. A lift-dock® avoids any limitation of dry-docking capacity in principle. It can be also – in most cases – implemented easily in existing yards.



Experience

The lift-dock® facilities of all sizes designed and built by SCHIESS-DEFRIES world wide are references to prove the competence of SCHIESS-DEFRIES and the satisfaction of the users.



Lift-dock® hotel 280 tons capacity



Control house with integrated control desk



Top view of platform assembly



Typical structural arrangement of a "rigid design" platform

Control

The lift-dock® technology reflects current "state of the art", as demonstrated also by the control system, incorporating:

- all safety elements required for 100% safe operations,
- emergency stop and programmable control (PC) for all lifting
- a monitoring display of the load measuring system with an automatic advance warning system, backed up by automatic stopping in the event of overload,
- a monitoring of the relative sea level and platform gear or automatic pre-positioning of the platform, when desired.

Platform

The platform can be designed according to the "rigid type" or "articulated type" design. For the reason of safety aspects usually the platform is designed according to the sophisticated "rigid type". This design concept which is based on the continuous beam principle allows the best load distribution factor according to all classification societies' regulations.

Transfer

SCHIESS-DEFRIES has designed and supplied lift-docks® with railborne transfer-systems as well as with air- or water cushion transfer equipment. There are no limits to the type and design of transfer arrangements, because both lift-dock® and the transfer system are adaptable to meet any and all requirements.

Specialists in lifting, launching and transferring



Longitudinal transfer carriage for flatbottom vessels



Transversal transfer carriage for sharp keeled vessels



Schies-Defries mover units and heavy duty wheel sets for caisson transfer



Ship transfer with Schies-Defries mover units



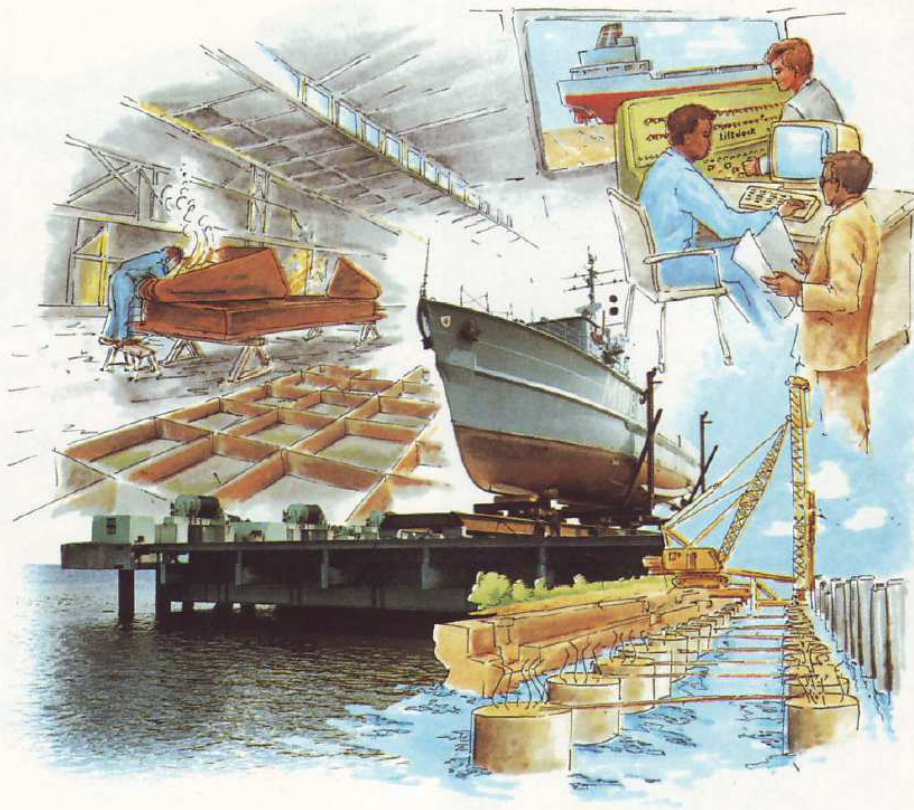
Cargo vessel with 12,000 DWT in launching process on a lift-dock®



Typical berth and transfer arrangement with lift-dock® at right-hand side

SCHIESS
DEFRIES

We take care of everything



We offer the complete solution for modern dockyard technology.

lift-dock®
power-slide®

SCHIESS
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Systems GmbH

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