



Technical Article

## Roll-On/Roll-Off by Krupp Fördertechnik

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During the past few years, there has been an increasing request by clients for the delivery of fully-assembled and tested ship unloaders.

There are various reasons for these requests, both technical and economic:

- Often, there is not sufficient room for conventional erection because the latest generation of unloading jetties built today are designed for the final requirement only.
- These jetties are only equipped with reinforced and load bearing railbeams which are insufficient to bear the weight of the mobile cranes needed for the erection, with their heavy dead weight and support loads.
- New material handling plants tend to have only a short construction time in the overall programme, which does not include for the erection of the handling equipment. The erection requires delivery to take place immediately after the jetty and downstream plant have been completed, followed by the shortest possible commissioning period.
- In existing material handling plants, delivery of fully assembled ship unloaders is required in order that production can continue without interruption caused by conventional erection and to keep demurrage costs for ships to an absolute minimum.

Krupp Fordertechnik have been able to meet these requests in many cases and details of how these were achieved, together with photographs of some of these machines being transported, follow below.