



Phoenix - World City

General:

This project was designed for the Kloster Group, Norway. The project was never taken beyond the design stage, but many of the features and innovations that came out of the intensive and long-running development process were later incorporated into the new generation of modern cruise liners that began to appear in the 1990s. Development of the cruise liner "Phoenix - World City" began in 1983 and was on an unprecedented scale. Bearing a certain resemblance to a naval aircraft carrier, it was to be 380 m long, 77 m wide and have a capacity of 5,200 passengers. The public spaces were to be three stories high and arranged in a spacious downtown area in the main hull. The accommodation was to be in three blocks with all-outside cabins rising from the deck. The transom was designed to open to provide access to an internal docking area housing four large tenders.

Main Particulars:

Length o.a. (approx.)	380.00 m
Length p.p.	345.00 m
Breadth max.	77.00 m
Draught	10.00 m
Gross tonnage	250,000 t

Capacity:

No. of passengers	5,200 pax
No. of crew	1,850 pers
No. of cabins	2,600 pcs

Speed:

Service speed	19.00 kn
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Miscellaneous:

Various alternatives were studied including options with gas turbine propulsion.

Scope of Work:

Conceptual Design, several layouts
 Specification
 Lightweight calculation
 Preliminary midship section
 Structural design
 Electrical layout
 Lines plan
 Speed and power prediction
 Sea keeping analysis
 Machinery room layout
 Misc. technical calculations
 Tank plans
 Stability calculations

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