



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	250000 t

Capacity:	No. of passengers	5200 pax
	No. of crew	1850 pers.
	No. of cabins	2600 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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