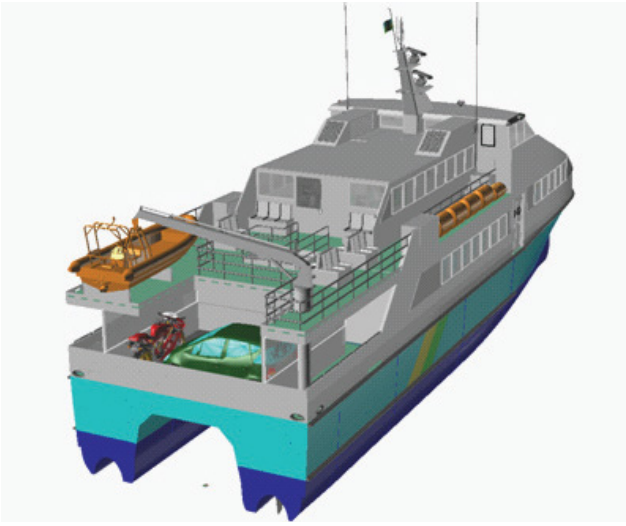

Ferry for Lake Kivu

General:

This project involved conceptual feasibility study for water transport on Lake Kivu, Rwanda.
As no infrastructure was present, all developments were to be foreseen. The project was to cover both passenger and cargo transport on a daily basis between the main cities surrounding the lake.

Main Particulars:

Length overall	29.00 m
Length between p.p.	28.90 m
Breadth moulded	8.20 m
Depth to main deck moulded	3.60 m
Design draught	1.25 m
Displacement	abt.100 t

Capacity:

Number of crew	3-4
Range at 20 knots (with 5 % spare)	abt. 750 nm
Range at 16 knots (with 5 % spare)	abt. 850 nm

Speed:

Max speed on design draught	abt. 20 kn.

Machinery and Equipment:

Main engines	2x Cummins QSK 19-MCR 597 kW
	Feasibility study for water transport on Lake Kivu

Scope of Work:

Concept Design of vessel, including:
Weight estimate
Power calculations
HVAC calculations
Modular composite construction in Europe, assembled/commissioned on site
Concept Design of port facilities
Economic feasibility and route analysis

Ref. No.: KEH 09028

MARINE HVAC DESIGN
SINCE 1998