



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
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Range at 20.00 knots (with 5 % spare)	abt. 750 nm
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Range at 16.00 knots (with 5 % spare)	abt. 850 nm
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Speed:

Max speed on design draught	abt. 20.00 kn
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Machinery and Equipment:

Main engines	2x Cummins QSK 19-MCR 597 kW
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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.:

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