

THE MOTHER SHIP



Concept of Operation

The **WASPs** are deployed from the **Mother Ship** by means of a single point lift and a crane.

The 53M **Mother Ship** controls all the functions of the deployed **WASPs** and receives live information from them, as well as from other sources. All repairs and maintenance can be performed on board and the large deck area can carry a variety of either manned or un-manned **WASPs**.

The catamaran hull design of the **Mother Ship** is capable of high speed (28 Knots) for fast assistance delivery to the **WASPs** when required, as well as being a stable platform from which to operate. A Heli-pad can also be provided above the wheel house for added capability.

The **Mother Ship** is capable of staying at sea for extended periods before having to return to a port for revictualing.

Specification

LOA	53 m	Max Helicopter Weight	7.5 tons
Hull Draft (At Propellers)	2.5 m	Max Deck Load	32.5 ton
Beam	14.3 m	Gen sets	1 x120KW
Gross Displacement	338 tons	Fuel Consumption	865L/Hour
Fuel Capacity	60 tons	Engines	4 x MTU 396 TE94 Marine Diesels
Max speed	30 knots	Range	1800 NM
Fresh Water supply	10 tons	Black Water Supply	2 tons

Design and Construction

The hull of the **Mother ship** is built of all marine grade, heavy-duty aluminium. The aluminium hull can withstand an enormous amount of abuse and rough treatment without any serious effects.

Aluminium is by far the most superior material to ensure a very long working life. It is lighter and therefore requires smaller propulsion systems and uses less fuel. It requires very little maintenance and is also quick and easy to repair in the unlikely event of any damage.