

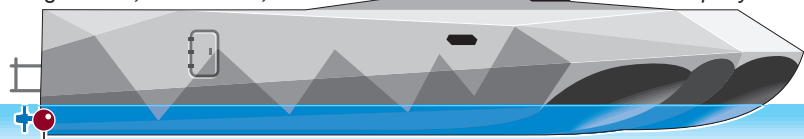
Stiletto – the future of naval warfare

The U.S. military has developed a \$6 million experimental vessel combining new materials, state-of-the-art network communications and a revolutionary hull design as part of their vision for a faster, more adaptable fleet

M80 Stiletto

Length: 24m, beam: 12m, draft: 1m

Lightweight carbon-fibre epoxy hull



Four 1,650hp Caterpillar engines – top speed over 50 knots

11m, rigid hull inflatable boat

Three-man crew, plus up to 12 SEAL commandos

Unmanned aerial vehicle launched and monitored from craft

M-hull design can be adapted to larger vessels by combining two or more hulls

M-hull surface effect

1. Central Displacement Section:

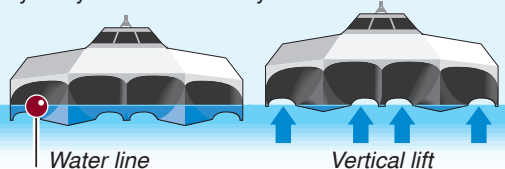
Fine entry, deep bow, with broad shallow exit at stern. Water displaced into tunnels at either side

2. Planing Tunnels:

High above static water line at front to capture air and bow wave for hydrodynamic and aerodynamic lift

3. Rigid skirts: Sends bow wave spiralling through tunnels. Designed to control pressure gradient under vessel for smoother ride

Bow wave spiral forced into decreasing volume of tunnel, creating vertical lift and reducing drag for greater speed



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Source: M Ship Company