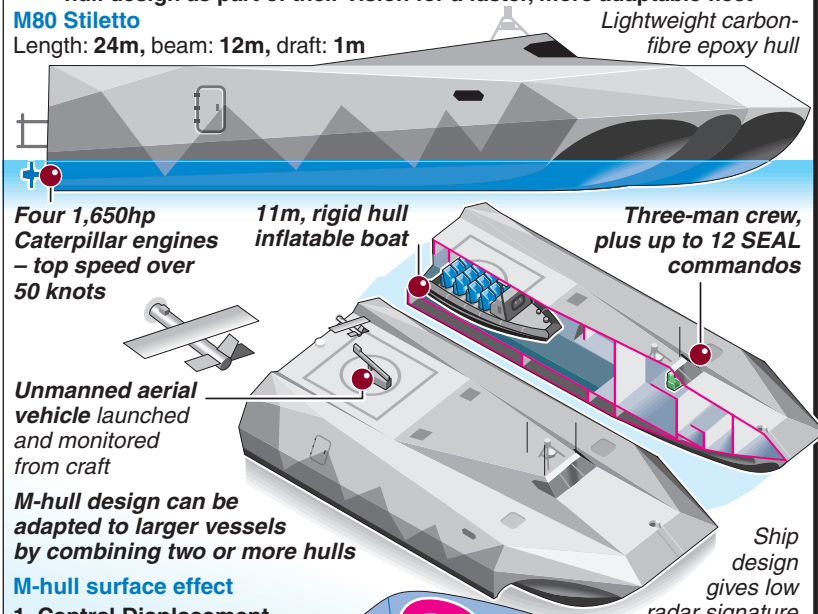
Stiletto – the future of naval warfare

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

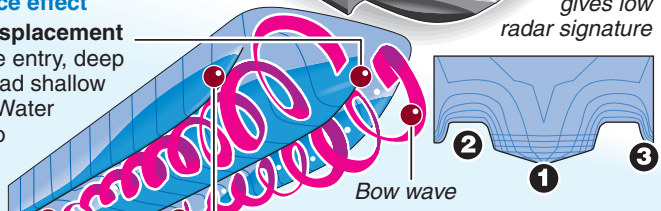
M80 Stiletto
Length: **24m,** beam: **12m,** draft: **1m**

Lightweight carbon-fibre epoxy hull



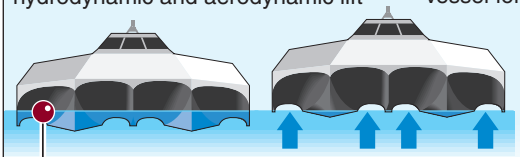
M-hull surface effect

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