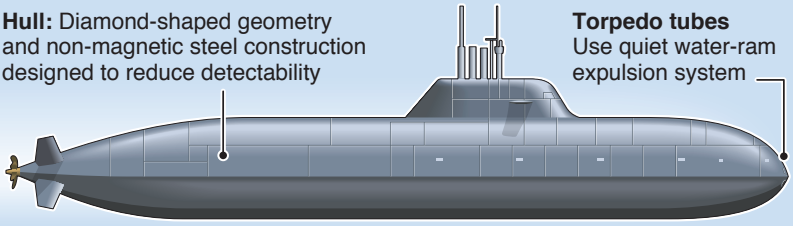
Germany wins Canada submarine deal

Canada has chosen a German defence company to build its navy's new submarine fleet, in one of the largest military procurement deals in Canadian history

TKMS* Type 212CD: Canada to buy 12 submarines, joining German-Norwegian partnership

Hull: Diamond-shaped geometry and non-magnetic steel construction designed to reduce detectability

Torpedo tubes Use quiet water-ram expulsion system



Displacement: 3,000 tonnes (submerged) **Crew:** 28-35 **Length:** 73m

Propulsion: 2 x MTU 4000 diesel-electric engines with air-independent propulsion (AIP) fuel cell system

Armament: Includes torpedoes, ***NSM*** anti-ship/land-attack missiles, ***IDAS*** air defence missiles and anti-torpedo defences

Procurement: TKMS offering to reallocate boats from German and Norwegian orders, allowing for early delivery of first four submarines to Canada by 2034

Cost: Submarine order alone estimated to be worth more than **US$12 billion**. Alongside lifetime maintenance and support, total bill could exceed **US$70 billion**

*Canada's ageing fleet of **Victoria-class** submarines (right) – purchased second-hand from Britain in 1998 – is scheduled to be decommissioned in the mid-2030s. Only one of four vessels is currently seaworthy*



*ThyssenKrupp Marine Systems

Sources: Canadian Defence Review, Reuters Picture: Wikimedia © GRAPHIC NEWS