



The Shortfin Barracuda. Block 1A

sea THE FUTURE®

DCNS

The Shortfin Barracuda Block 1A, designed specifically for the Royal Australian Navy, is the world's most advanced conventionally powered submarine.

Cutting-edge technology, direct from France's nuclear submarine program, pushes the submarine's stealth capabilities into a new realm.

Pump jet propulsion replaces obsolete propeller technology. Hydroplanes can retract to reduce drag and noise.

The Shortfin Barracuda will field the most powerful sonar ever produced for a conventional submarine.

As new technology is developed between France, Australia and the United States, upgrades can be easily made via quick-access technical insert hatches.

The Shortfin Barracuda is 97 metres in length and displaces 4,500 tons when surfaced.

It is a magnificent, inspiring submarine which will remain state-of-the-art until the 2060s.

In adopting this technology, Australia will join an elite club which includes only the United Kingdom, the United States of America and France.

Australia and France have enjoyed a close friendship across many generations. The Shortfin Barracuda Block 1A marches that friendship well into the future.

The Shortfin Barracuda.

The Build.

DCNS will present two strategies to build eight submarines in Australia.

The first option combines the capacity of two shipyards, one in France and one in Adelaide.

The second option is to start the project in Australia and build all the submarines in Adelaide.

Each option has different costs and benefits, and ultimately the choice of how the submarines will be built is a decision for the Australian Government to make.

For both options, dedicated programs and measures have been designed to transfer technology, expertise and knowledge to Australia. This technology transfer will prepare Australia for the future operation and maintenance of the submarines.

DCNS has the capability and resources to deliver either Australian build option.

Full transfer of stealth technology.

France is offering the Australian Government complete access to the stealth technologies utilised on board French nuclear-powered general-purpose attack submarines (SSNs) and ballistic missile submarines (SSBNs).

These technologies are the “crown jewels” of French submarine design and have never been offered to any other country. The very nature of these stealth technologies and the decision to release them to the Australian Government is a significant demonstration of the strategic nature of this program for the French authorities.

The United States will be responsible for supplying integrated combat systems to the Future Submarines, as well as the submarine’s weapons.

The collaboration between Australia, France and the United States will see DCNS providing design, technology and expertise within this sovereign framework.

Local employment.

DCNS intends to attract and work with the local Australian defence industry across the design, construction and sustainment phases of the Future Submarine Program.

We view the Future Submarine Program not only as an opportunity to share our expertise and systems, but also to work in partnership with Australian naval shipbuilders to further develop the technical skills of the naval manufacturing workforce.

Our success as an advanced technology company is not only built on meeting customer needs by deploying exceptional know-how and unique industrial resources; it is also driven by our ability to develop innovative strategic partnerships with the countries for whom we build.

DCNS. Building Australia’s Future Together.

DCNS Australia

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