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Faslane site visit

14th October 2019

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Defence Nuclear

What we do in Nuclear



We have supported the continuous at sea deterrent for 50 years



We sustain the entirety of the UK's submarine fleet



We take a leading role in all civil nuclear: from new build, operational support to decommissioning

What we do in Nuclear: UK Defence

Naval base management



- Management and operation of two of the three UK Naval Bases (HMNB Clyde and HMNB Devonport). Including;
 - Critical Infrastructure management
 - Logistics and transport
 - Complex waterfront operations
 - Engineering

Through-life support and life extension



- Life extension of Vanguard Class
- Fleet support for Vanguard, Trafalgar and Astute Classes
- Technical evaluations for future class support
- Technology upgrades
- Defueling & refuelling, dismantling, design and engineering

Critical strategic infrastructure



- Own Devonport and Rosyth Dockyards
- Design and delivery of critical, complex projects on nuclear licenced sites

AWE



- Design and build projects
- Decommission redundant plutonium handling facilities
- Waste characterisation and management

Core strengths: infrastructure and assets

Owned

Devonport



Vanguard Class refit facility



Rosyth submarine dismantling



Managed

Clyde naval base - Ship-lift



Clyde naval base - Astute Class jetty



Faslane



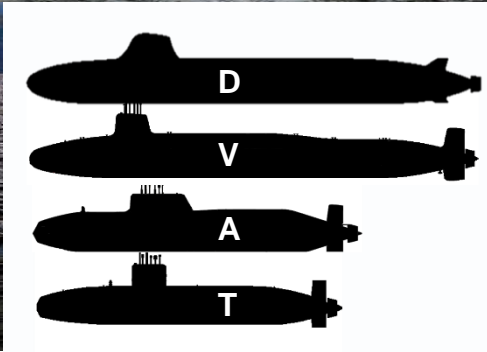
Our strategy: grow our UK submarine business



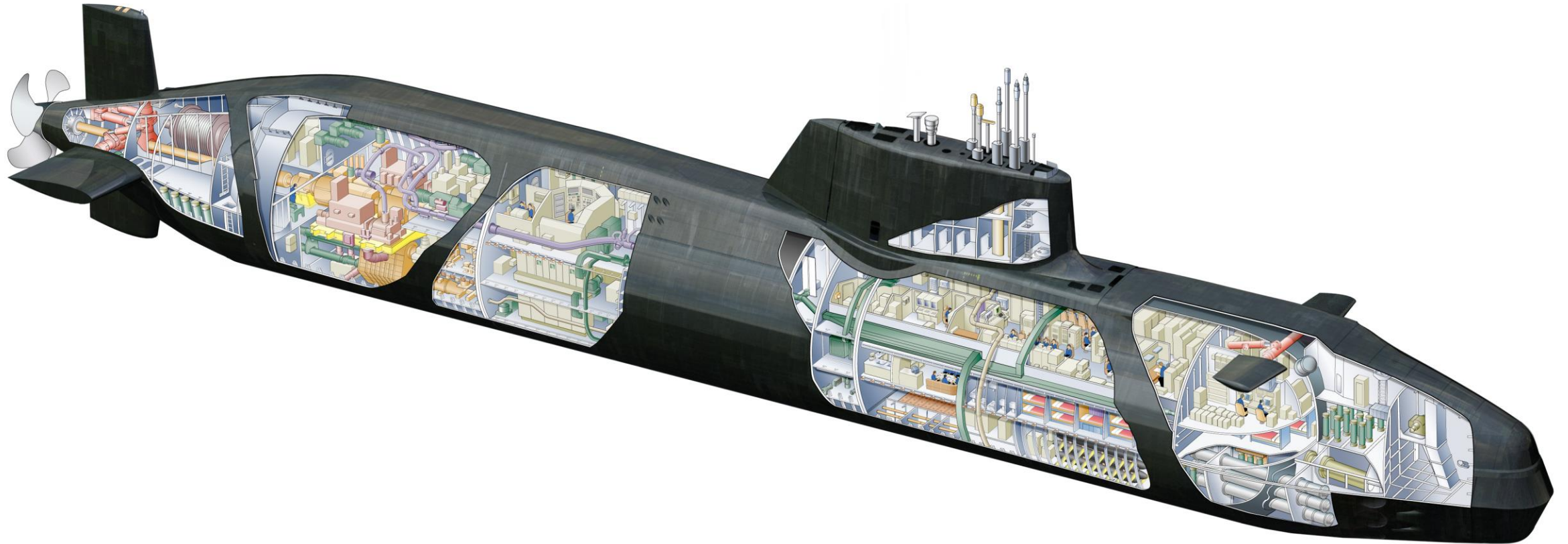
- On track to deliver c.£1bn ToBA savings for MOD over 2010-2025
- Future Maritime Support Programme (FMSP) contract for continuation of submarine in-service support and naval base services at Clyde and Devonport
- Deliver the Vanguard Class life extension programme
- Prepare for Astute Class deep maintenance at Devonport
- Deliver efficiencies through the joint Submarine Availability Improvement programme
- In partnership with the SDA deliver an agreed Strategic Nuclear Infrastructure Plan for the Devonport site
- Progress submarine defueling and disposal programme
- Develop opportunities with AWE



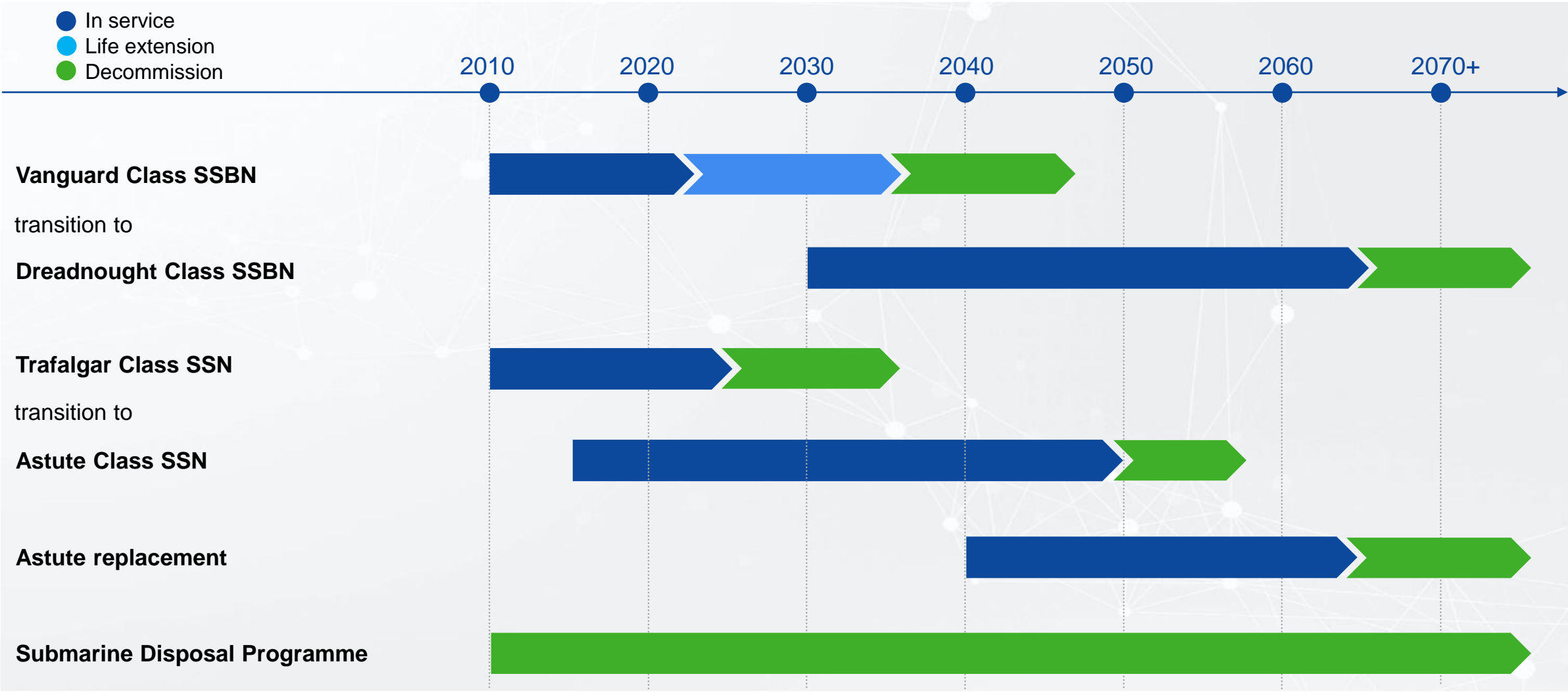
Submarines



Complex engineering



Build on longevity of multiple UK submarine programmes





Faslane

- Home of UK submarine fleet
- Owned by MOD, operated by Babcock and other industrial partners
- Babcock employs around 1,600 people at Clyde including 680 engineering roles



Port of HMNB Clyde



What we do at Clyde

- MOD's main commercial partner at HMNB Clyde since 2002
- Maintain and operate complex facilities and assets in support of UK's submarine operations
- Provide specialist support services and deliver operational maintenance, upgrades and repairs to Vanguard class, Astute class and Trafalgar class submarines
- Manage engineering work on base-ported mine warfare vessels
- Carry out reactive and scheduled maintenance on visiting Royal Navy and foreign naval vessels



Infrastructure we manage, maintain and operate:

- Shiplift – only nuclear facility capable of lifting a 16,000 tonne Vanguard class submarine safely out of the water to undertake surveys, repairs, maintenance and upgrades of submarine systems
- Jetties and associated infrastructure - enables engineering activities of nuclear submarines carrying tactical and strategic weapons

In addition:

- Infrastructure to support Faslane's role as base port for the Sandown class of Mine Countermeasure Vessels



What you will see today

- A Vanguard Class submarine, docked in the shiplift and undergoing an extensive maintenance period
- An Astute Class submarine nearing completion of a planned maintenance period berthed afloat at the Valiant jetty
- The modern methods of training submariners in the Astute training facility visit





Conclusion

- Grow our UK submarine business
 - Trusted partner to the Submarine Delivery Agency
 - In partnership with the Royal Navy, MOD and SDA, continue to develop strategic naval base infrastructure
 - Continue to develop improved in-service and long term sustainment in support of entire submarine fleet
 - Establish FMSP contract as driver of continued productivity improvement and operating excellence
 - Build on longevity of multiple programmes



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Appendix

HMNB Clyde: the history



The timeline consists of a horizontal axis with vertical tick marks for every year from 1940 to 2030. Above the axis are ten image panels, each representing a key event. Below the axis are twelve text boxes, each detailing a specific year and event. The text boxes are connected to the timeline by thin lines.

Year	Event
1940	The Faslane site was acquired by the Ministry of War and Transport, providing an alternative to the heavily bombed Greenock and Port Glasgow facilities on the Clyde
1958	UK signs the Mutual Defence Agreement with the USA, enabling the transfer of submarine nuclear technology to the UK
1963	The Polaris Sales Agreement is signed in Washington, D.C., enabling the UK submarine-based nuclear deterrent
1965	First staff arrive at Coulport
1968	HM Queen Elizabeth, the Queen Mother arrives on the Royal Yacht Britannia to open the Clyde Submarine Base
1969	CASD begins with the 10th Submarine Squadron and Resolution Class submarines
1985	Work starts on the Trident extension at the Coulport and Faslane sites – one of the largest civil engineering projects in Europe
1994	HMS Vanguard is deployed on her first operational patrol
1995	Following the closure of Rosyth, The Clyde Submarine Base and RNAD Coulport become Her Majesty's Naval Base Clyde
2001	The Fleet Protection Group Royal Marines (who in 2012 became 43 Commando Fleet Protection Group Royal Marines) moved to Faslane. Their base in Gibraltar Building was officially opened on 28th Jun 2001
2005	Sandown Class relocate to their new home port at HMNB Clyde
2019	50 years of Continuous at Sea Deterrence
2023	New Submarine Training Facility opens as part of the Single Integrated Base for the Submarine Service
2030	HMS Dreadnought comes into service