

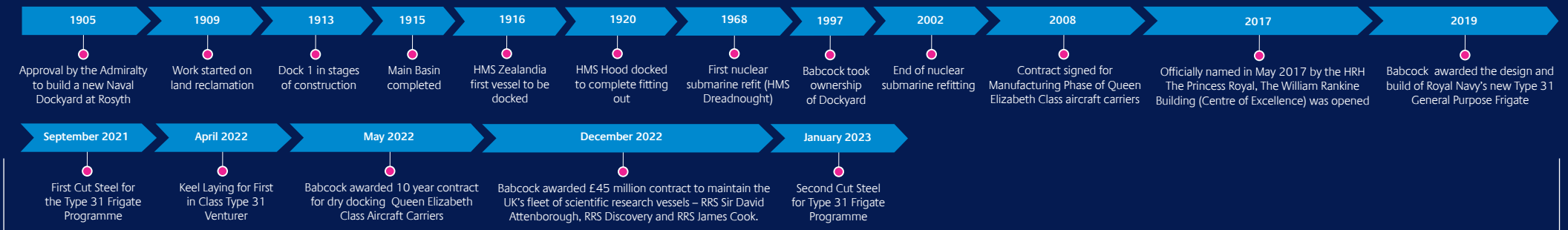
# babcock™ Rosyth Facility



## Rosyth History

- › Construction commenced in 1909.
- › Non-Tidal Basin containing three docks completed in 1915.
- › Babcock International Group purchased the dockyard in 1997.
- › The dockyard originally supported the Royal Navy through both world wars moving to refitting in the nineties. Refits included the Invincible Class Aircraft Carriers, Type 42 Destroyers, Type 23 Frigates and maintenance of decommissioned nuclear submarines.
- › As part of the Aircraft Carrier Alliance, Babcock International designed 50% of the Queen Elizabeth Class aircraft carriers, with ship assembly undertaken at Rosyth.
- › The dockyard still retains its original three docks within the non-tidal basin. Dock 1 is 320 metres long, 42.1 metres wide and 15.6 metres deep.
- › Ongoing maintenance and safe and secure dismantling of decommissioned nuclear submarines after they leave service with the Royal Navy.

## Rosyth Timeline



## Rosyth site



**One of the largest water-side manufacturing and repair facilities in the UK with deep water and non-tidal berthing**

**Home to the Arrol Gibb Innovation Campus (AGIC) a global centre of excellence in large scale manufacturing. Including FASTBLADE, the world's first test facility that uses regenerative hydraulic technology for low-cost fatigue testing of composite structures**



**Europe's largest non-tidal basin**

More than 20 manufacturing bay's ranging in size from **800m<sup>2</sup> to 2000m<sup>2</sup> and up to 105m long**



The Rosyth site measures **121 hectares or 300 acres in size**



**Ongoing maintenance and safe and secure dismantling of decommissioned nuclear submarines after they leave service with the Royal Navy**

**Sustainability is integral to Babcock, installation of a Solar farm, wind turbines, low energy lighting and electric vehicles support our commitment to Net Zero by 2040**



## Venturer building



**The 147m x 62m x 42m**

Assembly Hall provides ship build free from weather disruption




centre piece to create a

Access to both the North and South of the facility through four Mega Doors which are

**28m high and 24m wide**, with a demountable **28m x 48m opening**

Houses **two Type 31 Frigates** for parallel build and assembly activity

**9000m<sup>3</sup>** of construction concrete 

Two **125t** overhead cranes 

**5000** steel/concrete construction piles

**220t** of bolts 

## The Goliath crane



The Goliath crane was erected in 2011 and is one of the biggest in Europe



The crane is **90 metres tall** (highest point) and **120 metres wide**



It has a lifting capability of **1000 tonnes**, the biggest lifting capacity in the UK



It was used to assemble the **QE Class aircraft carriers**

## Syncrolift



Opened in 1980, The Syncrolift lifts vessels of up to **1500 tonnes**

out of the water for refitting or maintenance under cover

Facilities for ships and submarines, nuclear, landing craft and a dedicated frigate support centre, enabling us to deliver solutions that support complex engineering programmes

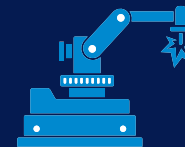


## Manufacturing bays and machines



The site includes **27 support bays**, giving some **51,416m<sup>2</sup>** of manufacturing space with crane capacity up to **35 tonnes**.

Capabilities available include mechanical/electrical overhaul, pipe manufacture, machining and major structural steel



Bays 2 – 7 house a new panel lines equipped with the latest technologies, such as plate edge milling and robotic welding, a cornerstone of Babcock's digital transformation creating significant efficiencies in the manufacturing process