



# Jonathan Walton

Vice President Business  
Development, Marine

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## What We Do

Design, build and integrate specialist systems, and deliver technical through life support

### Design



Complex platforms, systems and equipment design for through-life affordability, capability, availability

### Build



Digitally-enabled, high-integrity advanced manufacturing of platforms, systems and equipment

### Integrate



Integration of complex technology across in-service and future platforms, systems and equipment

### Support



Through-life support, life extension and upgrade of platforms, systems and equipment

## Developed capability: support to global design and build

Operational asset understanding

Customer intimacy

'Best of class' integration capability

Product development and systems expertise

Long-term warship support partner for Royal Navy (Type 23 and amphibious fleets)

QEC Aircraft carriers, design, build, platform and system integration and through-life support

Developed Arrowhead 140 variant to meet Type 31 requirements

Secured Type 31 design, build and integration programme

Arrowhead 140 licences for global frigate market

International design, engineering, build partner of choice



Support

Design

Build

Integrate

Capability developed through support of complex assets

## What differentiates us

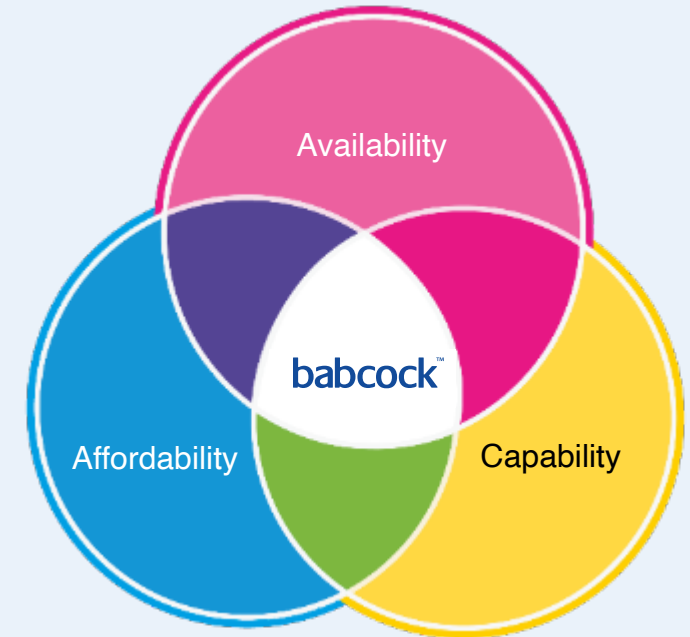
Customer intimacy

Product development and systems expertise

'Best of class' integration capability

Operational asset understanding

Babcock combines **extensive experience** of customers' assets in operation with strong **engineering know-how** and highly collaborative **customer relationships**



This highly differentiated proposition enables us to deliver complex product and service solutions which meet our key customer requirements of **availability, affordability and capability**

## Market dynamics

Growing focus on defence capability due to ongoing conflicts supported by increasing defence budget, NATO expansion and global instability



Desire for affordable indigenous sovereign shipbuilding and in-service support capability



Speed of technology development



Increasing demand for digital products and services



Emerging demand in autonomous systems and space



Net Zero and emissions targets



## Type 31

- › £100m infrastructure investment at Rosyth over the past decade to modernise the dockyard for Queen Elizabeth Carriers and Type 31
- › £55m additional investment in advanced systems technologies at Rosyth now underway
- › 1,250 strong workforce throughout the UK at the peak of the programme, plus an additional...
- › ...1,250 within the wider maritime supply chain
- › 500 new apprenticeships across the UK 5 state-of-the-art general purpose frigates delivered to the Royal Navy

November  
2019

February  
2021

September  
2021

2022

2023

2023

Contract  
award

Critical Design  
Review complete

HMS Venturer  
steel cut

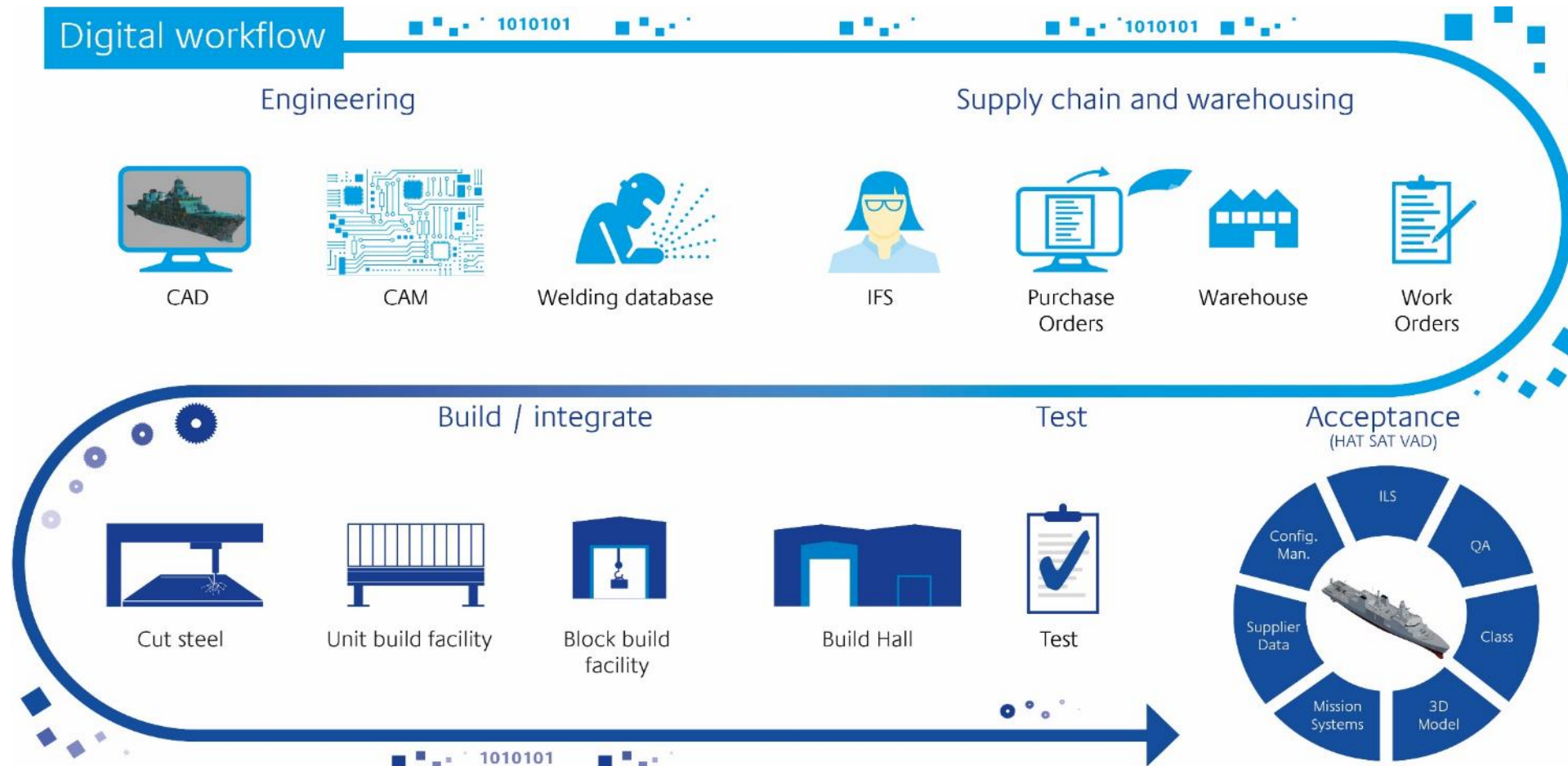
HMS Venturer  
keel laying

HMS Active  
steel

HMS Active  
keel laying



## Digital thread



## The digital facility in practice

### T-Beam Machine:

Increasing productivity and quality.



### Panel line:

With automated marking and cutting and robotic welding capable of producing complete ship deck and bulk heads.



### The FARO Laser projector:

Allows the fitting of outfit items to the ship to be done without the need of additional 2D drawings and traditional manual measuring and fitting.





## Warship Support



## Engineering capability

Diverse engineering projects across Babcock provide opportunity for broad engineering capability development of staff

We operate across different phases of the engineering lifecycle - early design and integration, production and into support and asset management



## Early careers

Today we have 1,500+ people on Early Careers programmes

Annual intake of c.600 apprentices and graduates in FY24, 39% up vs FY23

Additional 'Train to Fit' programme accelerates the development of motivated individuals for high demand roles



## Babcock role framework

Babcock role framework provides all employees with greater visibility of career pathways and greater equality of opportunity

Enhances the mobility of our engineers so that their capability can be deployed and developed across the business



## Babcock Skills Academy

Developing complex skills for deep submarine maintenance through the Babcock Skills Academy

2,000+ people expected to flow through in its first three years and 10,000+ over the next five years

Ambition to broaden focus beyond nuclear skills



## Engineering and nuclear skills

Supporting the national skills agenda through the UK Nuclear Skills Taskforce and Defence Supplier Forum

Member of the AUKUS workforce alliance through our partnership with HII and three Australian Universities

MoU with the University of Adelaide



- 1 Central pillar of our international growth strategy
- 2 Leverages our technical capability and track record of providing value-add solutions to complex problems
- 3 Strategic partnerships enable low risk access to new markets
- 4 Platform agnostic approach makes Babcock a partner of choice for many OEMs
- 5 Combining complementary expertise to deliver affordable, market-leading, bespoke solutions
- 6 Enables an innovative approach to strategic procurement to further enhance competitiveness of combined bids



## **Partnerships**

### **SAAB:** development of advanced naval corvette design

- › Partnership for design of future service combatant
- › Combines our technical naval platform design and integration expertise with Saab's naval combat management systems and composite structures expertise to create a new class-leading capability

### **Odense Maritime Technology (OMT):** Design partner – Danish

- › As part of our close 5 year collaboration on Type 31/AH140, we are [always] together looking at ways we can expand the scope of our joint work in new directions

### **PGZ:** Development of future Polish Frigate

- › Provision of AH140 license to build
- › Production design and build support
- › Transfer of knowledge and technology
- › Design and build capability partnership

### **Hanwha Ocean and HD Hyundai Heavy Industries (HHI):**

- › Collaboration in the integration of Weapon Handling and Launch
- › Collaboration from concept, to design and build of future warships

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