

ACA Weekly Communication

News New-look website

The ACA has refreshed its award-winning website with new images and content. New pages include a blog from the Programme Director and a monthly look at achievements across the ACA. Check it out at: www.aircraftcarrieralliance.co.uk

Electro-Optical System

The Electro-Optical System (EOS) for HMS Queen

Elizabeth has been delivered. The system has day and night-vision cameras on both islands, giving 360 degree coverage for automatic or manual detection and surveillance.

The EOS will be completely integrated with the Combat Management System and other on-board cameras and can be controlled from different parts of the ship.

Chris Shepherd from QEC Mission systems said: "This delivery is the result of lots of hard work and co-operation by the Ultra and ACA teams over several years."

The One Show!

If you missed Wednesday night's episode of The One Show you can watch it on BBC iPlayer until Wednesday 25th September. The two short films focussed around the logistics of the load out and erection of the Aft Island.



Spotlight on....

Finlay MacLennan, SB02
Production Manager

Where did you start your career?

When I left school in 1979 I joined Yarrow Shipbuilders Ltd to work as an apprentice Sheet Iron worker.

How did you get from there to where you are now?

I worked as a sheet iron worker with Yarrow Shipbuilders Ltd for 12 years where I progressed to supervisor at an early age. I left and went to work in the North Sea for three years- again as a sheet iron worker working on major hook ups. I returned to Shipbuilding and have been here for the last 19 years. During that period I have worked on detailed planning, Type 23s, Auxiliary Oilers and LSDA troop Carrier. In 2006 I joined QEC to work with production engineering and in 2010 moved south to Portsmouth to take charge of LB02 and have been with the block to date.

What is your biggest challenge to date?

Getting LB02 to the advanced outfit stage she is currently in, although the biggest challenge is yet to come- that will be getting through the completion phase from assembly to customer acceptance.

What milestone are you most proud of?

There's been two; one was when LB02 rolled out of the block hall in Portsmouth- it was the biggest structure ever to come out of Ship build South, when she was transported north she went past Illustrious and Ark Royal and to see the size difference was incredible. The other memorable experience was seeing LB02 and LB03 floating in the non-tidal basin before they were put into dry dock.

What do you do in your spare time?

I used to play the bagpipes and progressed to grade 1, in our heyday we managed to win the European, British & Scottish championship and came 2nd in the world championship, so I still take a keen ear in listening to the current top bands which in itself is amazing now. Also taking my kids at weekend to football & swimming training.



News

Leadership briefing

The ACA is split across several sites, and ensuring everyone knows what is going on and can see the 'big picture' is essential.

So last week the ACA held its latest leadership briefing session, bringing together leaders from across the ACA to look at ways the organisation can continually improve. Programme Director, Ian Booth, said: "It's crucial that people at every level know what is expected of us. The eyes of the nation are following this programme, so we must make sure we all work together, pooling our efforts as one high-performing team to deliver two world-class ships."

HMS Queen Elizabeth

Rosyth

HMS Queen Elizabeth LB04:

- Three compartments will have their compartment inspections signed off by the customer this week.
- Two compartments in 7N have been put through their initial compartment inspections
- A further six initial inspections are planned for next week
- On 4 deck a dedicated team is working through compartments in all rings ahead of planned inspections to open up interface areas for our alliance partners.
- On the shaft programme the starboard side A-frame has been positioned with the focus now turning to the intermediate brackets.
- Positioning of machinery has continued with work due to commence fitting bushes to the motor holding down arrangement ahead of drilling to the specified diameter.

Assembly

Preparations continue for lifting of sponson 11 and 12, scheduled to be carried out next week. Work at the dock bottom continues on the shaft alignment programme with the main A-Frames having been jacked into their final position as specified by dimensional control and prep work going on the hull structure around the A-Frames.

Manufacturing

The manufacture of units for HMS Prince of Wales in the heavy fabrication bays is continuing. In the Syncrolift building, 3 deck units have now been erected on sponson 3 with PO1s being installed on 4 and 5 deck. Units 1-6 have now been erected onto sponson 4. 4 & 5 deck PO1s have been delivered to the Syncrolift and outfit is ongoing. The stub units have now been installed on the cradles for SP05, SP06 forward and aft, and SP09 and the stub units are now being joined together.

Appledore

Insulation pinning and painting of the second batch of sponson 2 units for HMS Prince of Wales have started. Steelwork for Centre Blocks 5 and 6 catwalks for HMS Queen Elizabeth have been cut, minor work commenced with panel assembly scheduled to start next week. Unit assembly of sponson 12 catwalks is well underway.

HMS Prince of Wales

Portsmouth

HMS Prince of Wales LB02:

- Preparation for the consolidation of D to E,F and G rings is going well.
- Outfit is continuing on C ring and the cabins will start to be fleeted on to this ring next week (see photo below).
- Outfit continues in all other rings with insulation continuing in 5G Ops room, and other areas in G ring.
- The installation of the exhausts is also on-going in 7G and they are being connected to the Diesel Generators.
- Structural join up welding is progressing well on F to G and E to F rings.
- Pipe installation continues on all rings with a total of 5550 installed to date.
- HVAC installation is progressing well on all rings and the Machinery Space Coolers have now been installed.



HMS Prince of Wales CB02:

- There are 14 units in Hall A where the unit construction phase is progressing well.
- Paint continues on C207 and C208 with inspections on-going.
- Hotwork is underway on units C205 and C210 in Hall A.
- In Hall B consolidation of the units on the ring A and B build and transportation grillages is progressing well with hotwork continuing (see photo below).
- Work continues on the ring B and C build and transportation grillages in Hall B.
- Unit C230 is in the steel production hall (SPH) preparation area and units C231 and C233 are on the panel line in the SPH.



Govan

HMS Prince of Wales LB03:

- It was a successful week on LB03, with the internal milestone of 9000 pipes installed on the Block being achieved. This was completed ahead of plan and shows the great progress being made on LB03.
- The shotblasting and painting of the link up area has been completed, allowing the external shell in this area to be submitted for compartment handover inspection. On completion of this, the installation of the final transportation grillage can be moved into position.
- The ceilings and linings plan continues with the stainless steel bulkheads being installed within the bakery area, including the bread and flour stores.
- Finally, compartment handover inspections have been progressing with 17 compartments inspected. All of the teams have been working together to achieve the challenging programme to block completion.

HMS Prince of Wales LB04:

- There are 104 units in preparation with 93 in the subsequent fabrication stage and 70 in the SBOH bays 1 and 3.
- Unit LR48 and LQ43 were successfully erected and the dry survey of LS16 and LP08 were completed this week on plan.
- The third propulsion motor was successfully delivered and installed on Monday. This leaves the final one to install on ring N in week 41.
- The Shotblasting programme continues on rings M/N all the internal shotblasting on the tank top is now complete. The painting is well underway in all 4 of the Machinery spaces is scheduled to finish

Merseyside

HMS Prince of Wales CB02:

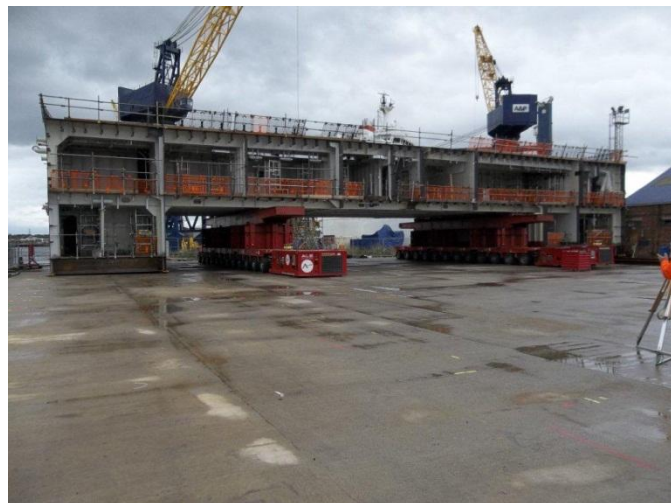
- On ring G (see below), three deck units are nearing completion with the units now 3D.
- 2 deck panels are now on the jigs and are being welded out before bulkhead erection.
- Flight deck plates have begun production with the first deck and bulkhead plates now cut.
- Pipe manufacture continues at pace with the first pipes for the High Pressure Sea Water system now complete and the first seats and pipe supports have been manufactured ready for install once the units are moved onto transportation grillage.
- On ring F; work has begun on the transportation grillage.



Tyne

HMS Prince of Wales CB03:

- Ring H (pictured below) was moved down to the west quay into the area where it will be loaded out from.
- The outfit continues with insulation of the hangar deck head nearing completion and installation of routed systems.
- Ring J is in the paint cell and the spraying is progressing well in both half rings with starboard set to be handed back to the yard this week.
- The erection of Ring K unit onto the transportation grillage has begun with the first two units lifted and turned.
- Work continues to on the remainder of the 2 deck units to get them structurally complete before lifting into place.
- The first of the flight deck unit bulkheads will begin next week.
- Ring LK panels are progressing well and steel has been cut in ring L.



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