

News

Propulsion Motor Arrival

This morning, Monday September 2nd, the first of four propulsion motors for HMS Prince of Wales will arrive at Govan Shipyard. The 113-tonne motor will arrive by road, delivered under police escort. The delivery starts a fast and frequent programme of 'main machinery' deliveries from now until Mid-November.

SHE

This week there have been no accidents or incidents on HMS Prince of Wales LB03 and there have been no lost working day cases on the block since April 2012. There were no recordable incidents on LB04 last week.

Spotlight on....

Angus Holt, Block Delivery Director

What was your first ever job?

I worked on a farm at the very top of Scotland, just west of John O'Groats, during school holidays.



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

I studied engineering at Herriot Watt University; from there I embarked on a Graduate placement with GEC in their nuclear division, and spent seven years building nuclear power stations. From there I moved into building prototype wind turbines, and after erecting the first turbine I moved back to Scotland to work for Howden Wind turbines where I ran two projects; one in Barbados and one in Sweden. After that I went on to become a Project Manager for Babcock working on conventional power stations in Iran but the programme was interrupted by the first Gulf War so I went on to work for John Brown Engineering where I was Project Manager for gas turbines around the world; from the UK to Australia to the Far East. I was then tempted to come and work for BAE Systems running the Brunei Build Project, that got me into Ships!

What does your job entail?

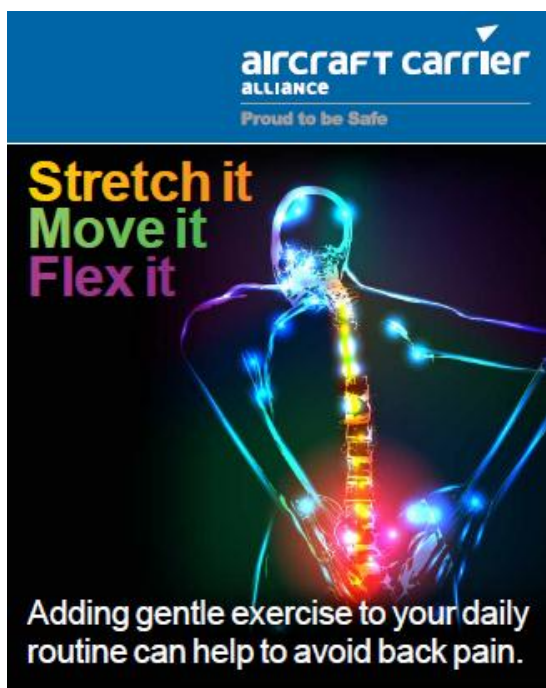
I lead a team across the Clyde and Portsmouth, focussing on the delivery of the blocks to the Carrier, and ensuring we meet our promised delivery and cost performance. This can involve routine meetings or trouble shooting.

What is the best part of your job?

Getting to see HMS Queen Elizabeth develop and grow into a completed Carrier, and knowing that once completed she will be a fantastic ship for the Royal Navy.

What milestone in the project has been the best for you so far?

It was the delivery and installation of the Forward Island as it was so iconic. It transformed the shape of the whole carrier.



HMS Queen Elizabeth

Rosyth

HMS Queen Elizabeth LB04:

- 11 compartments in ring R are with the client for sign off; this includes three large AMS, and five compartments on 8 deck.
- The final compartment 8RZ8, the service trunk, is still to be achieved. This is scheduled to be through its initial inspection on Monday and washed up with the client by the end of week 36.
- The pipe testing teams continue to support the inspection process with the total expected for last week to be circa 300.
- The shaft installation team has continued to position machinery as required and have begun to fit jacking points for the machinery on the starboard side.

Tanks

Last week, two Sea Chests (Compt 0QA3 and 0FA2) went through Compartment Completion Inspection with the Customer. The customer is expected to sign off at the wash up this week.

In addition 0UA0 (Skeg) successfully achieved its Air Test and 0GY7 (Dieso Tank) successfully achieved its Water test.

Change remains to be the main focus and has progressed well with two engineering change requests (12815 & 13615) completed. This relates to pipe and penetration modifications in 0HA0 (Cofferdam) and AVCAT spaces.

Engineering continue to progress with DISR (Design Intent) with 32 Tanks inspected and DISR achieved across nine areas. This provides Engineering acceptance to the Tank structure and is required to complete the CCI documentation Packs.

Assembly

The shaft installation and shaft alignment is continuing to progress with the Port Main A Frame jacked and aligned into its final position. Co-ordination focus of the work required for the undocking of the ship has been increased and the work required is on schedule.

Manufacturing

Sponson 11 -PO1 outfitting is currently being installed and compartment handover inspections are to take place next week. On sponson 12, PO1 outfitting is continuing to be installed and compartment handover inspections are taking place this week.

This week, mastcap activities include the continued installation of PO1 Outfit, the installation of pipe work and Hilti Studs. Paintwork and Insulation have also commenced.

HMS Prince of Wales activities are underway, with units being manufactured in the heavy fabrication bays and PO1 outfit also being installed during this phase. On sponsons 03 04, PO1s are being installed on 4 and 5 deck. The sponson 05 cradles are being erected in preparation for the stub units, and sponson 6 forward stub units are being installed on the cradle.

Appledore

The first batch of sponson 2 units for HMS Prince of Wales will be moved into the paint facility by the end of this week, application of the final paint system will then be applied in readiness for onward transportation to Rosyth. The next catwalk units for HMS Queen Elizabeth are also currently being manufactured and are progressing well.

HMS Prince of Wales

Portsmouth

HMS Prince of Wales LB02:

- Phase one tank testing is now complete and three tanks are now available for SSSL to start blasting and painting activities.
- All 13 of D ring cabins have now been fitted in line with the plan.
- Painting continues on C ring 5 and 6 decks and will complete next week; this will allow outfitting to progress in line with the next behind line inspections for cabin installation to be achieved.
- G ring uptakes and downtakes area is underway with fitting of exhaust sections and progress continues throughout G ring outfitting.
- Pipe installation continues well through all rings with over 5000 installed to date.
- HVAC is concentrating on D and C rings for cabin install.
- Structural completion of F-G continues and recent quality inspections showed minimal defects in such a large and complex area, this is very good news and highlights the good work in that area.

HMS Prince of Wales CB02:

- Unit C206 has now been erected onto the ring B build and transportation grillage.
- There are 11 units in Hall A where the unit construction phase is progressing well.
- Unit C207 is in paint and hotwork continues on units C204 and C208.
- Paint is complete on unit C203 and it has been moved in to Hall B (see photo 100 4201).
- C203 will be lifted and turned in Hall B, the greens will be cut and two lock out items fleeted into the unit by the end of this week.
- Unit C203 will be erected onto the Ring A build and transportation grillage early next week.
- Units C223 and C231 are in the steel production hall (SPH) preparation area and units C216, C222, C225 and C233 are on the panel line in the SPH.



Govan

HMS Prince of Wales LB03:

- The ring L lift hatch has now been lifted onto 4 deck, awaiting installation.
- The operations team are in the process of handing over the last few remaining compartments to sub-contractor for paint.
- Cable reeving is progressing well with a further 7.1km of cable pulled bringing the total meters pulled to 212km against a planned 170km.
- Following on from the cable reeving programme, over 31,500 terminations have been completed, with more than 9700 cores check-wired ahead of the check-wire plan.
- To date there are 8,760 pipe spools installed, making good progression towards the 9,000-spool internal and ACA milestone with 49% (4641) spools mechanically tested and 47% (4423) of the spools pressure tested.
- Finally, compartment handover inspections (CHOIs) have been progressing with 19 compartments inspected, 12 senior rate's cabins, 3 wet spaces inspected in ring K and 4 Tanks inspected in ring J.
- The compartments are expect to be handed over by the end of the week following a wash up, bringing the total inspected compartments to 145.

HMS Prince of Wales LB04:

- To date, 98 units in preparation with 87 in the subsequent fabrication stage and 66 in the shipbuild outfitting hall bays 1 and 3.
- Since the completion of the ring P and Q shotblasting, the area has opened up for equipment installation with many of the larger lockout items currently being fitted prior to the delivery and installation of the first propulsion motor.
- Shotblasting the External Shell of Rings M and N started last week and is currently 60% through the blasting process in this area.

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