

Bentley and ACA – Best of British!

Rosyth played host to a visit from Bentley last week. Senior members of the Bentley organisation discussed precision engineering and manufacturing processes with the ACA team.



Evening Standard

Wednesday 4th December saw Robert Fox, defence editor at the Evening Standard, visit HMS Queen Elizabeth.

Rosyth Charity Bake Sale

Employees in Building 100 at Rosyth held a charity bake sale raising more than £150 for Children's Hospice Association Scotland.



Spotlight on....

Dawn Hunter, PA to Ship 01 Delivery Director

Where did you start your career?

I joined the RAF in the 80's as a policewoman, working in various places including the UK, Cyprus and Italy.



What does your job entail?

It has a lot of variety and no two days are ever the same! On a day-to-day basis I look after Joe Reilly and his team; organising meetings and diaries and ensuring everyone is where they are supposed to be, with everything required to hand.

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

It would have to be the Forward Island lift due to the visual impact; it was just fantastic to see.

Can you tell us about your fundraising this year?

This year I have completed five events for charity - my aim to raise £5000. My first event was the Race for Life with the ACA Angels team; I then took part in the 10k at the Edinburgh Marathon followed by the Edinburgh Moonwalk. My forth was abseiling from the Forth Rail Bridge which was fantastic but scary. I've only recently returned from Peru, my final challenge, where I trekked the Inca Trail to reach Machu Picchu. It was by far the hardest thing I have ever attempted and along with the knee breaking 'Inca' steps, it involved climbing to altitudes of 4200m!! It was an amazing and unforgettable experience! In total I managed to smash my target of £5000 by raising over £7700 for my chosen charities this year! More than half of that total was raised through donations/sponsorship from my ACA work colleagues and I would like to say a massive thank you to everyone! I am truly grateful for all the support!

Finally, what's next?

I'm taking a break from fundraising till January although I've already started my training for the Three Land Challenge next year - three Moonwalks (26.2 miles each), in three countries, over a period of five weeks!

HMS Queen Elizabeth

Rosyth

HMS Queen Elizabeth LB04:

- Last week five compartments were with the customer for sign off following completion of inspections. These are a passageway and galley lift in 5P, the medical store and hospital passageway in the 5M medical complex, and the heads compartment in 6N.
- Throughout the four rings with compartments still to be inspected (Q, P, N and M) nine compartments are up for initial inspections this week.
- The first two compartments on 4 deck are expected to be put through their initial inspections.
- In support of the inspection the installation of the required mechanical and electrical systems is continuing.
- The electrical team were forecast to pull circa 3,000 metres of cable in addition to terminating 1,500 cores with the vent team targeting installation of 96m of vent throughout the block last week..
- On the IA programme the electrical team are now progressing additional test paths following completion of the those planned for this year. Work is continuing on the 5200 system (High Pressure Sea Water System) ahead of planned December completion.

Damage Control Zone 4

- UB14 outfitting package is underway and terminations released.
- P01 activities are progressing well throughout all sponsons and a number of compartments are now at paint and insulation.
- Cammell Laird is progressing well throughout CB04 at 2 & 3 deck levels.
- Plans are currently being made for the flame spraying of the GT intake splitters which will take place in January 2014.
- Scaffolding access and final welding of the catwalks at SP07, SP08, SP09 & SP10 is progressing.
- Aft aircraft lift guide rails are now being installed.

- SB03 to SB04 and CB04 (A to D) link-up integration work continues to progress. The final validation of scope is now complete at 8, 9 and 0 decks, with approx. 250 additional items identified; this work is currently being planned. Cable routes at 5LZ0 through to LB04 have now opened up and the focus is now on priority compartments at 6 & 7 deck.
- Regular meetings are underway regarding the transition of the remaining LB04 scope into the Babcock planning system.

Tanks

- The tank programme continued to move forward with Compartment 8HA3 (forward Demin Tank) completing its ITR06 Air Test and successfully signed-off by Lloyds.
- Compartments 0AX0 and 0BX0 (Ballast Tanks) were put forward for their blast inspection which was achieved with minor defects, that will be progressed over the weekend.
- The paint programme continues to progress with five compartments 0DX3(Fresh Water Tank), 9EX4, 0EX4(AVCAT) and 0GX6, 9FZ2 (Dieso Tanks) offered for partial paint inspection.
- Engineering are continuing to progress the Design Intent Programme with another two Compartments signed off. These were 0NC7 and 0NY0 (AVCAT Tanks).
- This now takes the total to 92 of 138 compartments achieving full Design Intent Status.

Shaft Programme

- Progress continues with the Port Main Tunnel bearings and Main 'A' Frame bushes being set-up to align with Rolls-Royce specifications.
- On the Starboard tunnel bearing, this has now been prepared and is awaiting the bushes to be fitted next week.
- The Port Intermediate bracket has now been set-up prior to being bored out and machining of the facing ends.
- In addition to the above the main Starboard 'A' Frame bracket bush has been fitted to the hub and awaits alignment.

Hull Programme

- The dock stool programme is progressing well with 28% painted and back in position , and 43% of dock stools removed for blasting.

Damage Control Zone 1/2

- CB02 carling engineering change request is now complete and moved heavily back into P02 installation which re-opens main cable runs through the damage control.
- The forward port Alimack is now shut down to allow compartments adjacent to move through the P02 process.
- New position has been agreed for the forward starboard area taking material through cleansing station to service the forward end of the ship. This also allows final section of catwalk to be installed.
- Passageways throughout 2 deck moving through floor laying process.
- GTA compartment upper levels paint and insulation complete and moved into 4 deck level with a target completion set for Christmas break.

Damage Control Zone 3

- Replacement Carlings in CB03 2 deck area is 40% complete.
- Two pilot CCI's in 6J and 6K ATU spaces are planned to take place next week.
- Work to complete ATU 2 continues to progress toward a completion date of late January 14.
- Ships lighting for DCZ3 is now 70% complete.
- Link up area between blocks 2 and 3 continues to be a major focus both mechanically and electrically in order to free up Inter block cabling and pipework.

Damage Control Zone 5

- CB05 STAGE 1 Regeneration package is due to start Monday 9 December 13 by InterMarine.
- Blasting in compartment 4TX5 commenced Friday 6 December 13 for a three day duration.
- Terminations on lower block 5 continue ahead of schedule.
- Cable volume continues ahead of schedule on Lower Block 5.
- Drive to reduce the number of NC's started with good initial results.

Erect, Fair & Weld

- Activities now completed.

HMS Prince of Wales Portsmouth

HMS Prince of Wales LB02:

- SSSL have been progressing well to complete painting, with E ring 5 and 6 deck already completed, systems are starting to be installed in readiness for compartment handover inspections and the cabin modules pushed into position.
- Screeding on C ring 6 deck in the electrical priority compartments has started this week, this is similar to the work which was completed on G ring 6 deck.
- Pipe installation is progressing, 7,908 pipes have been installed to date. Pipe testing is continuing on all rings.
- General Electrics (GE) is progressing well on the HV Switchboards link up and servicing.

HMS Prince of Wales CB02:

- Installation of HVAC ducting on ring A 4 deck is on-going and progressing well.
- This is alongside installation of pipes which are being installed on ring A on both 3 and 4 deck.
- With unit C209 being lifted onto Ring B last week and unit C211 coming round from hall A to hall B, unit C211 has now been lifted onto ring B, completing the ring with structural consolidation underway.
- With pipe installation progressing well, the focus is on making sure the 101's are coming through and being signed off.
- Unit C240 has been brought round from Hall A to Hall B this week, which will be lifted onto Ring C grillage next week.



Govan

HMS Prince of Wales LB03:

- A care and protection audit by the customer was undertaken this week with feedback indicating satisfactory rating, highlighting a marked improvement in housekeeping across the block.
- Following on from the week 47's visit from Rear Admiral Steve Brunton, Ministry of Defence Director of Ships Tony Graham paid LB03 a visit last week and also commented positively regarding the progress and quality of the block.
- The main focus this week on LB03, remains the compartment handover inspection (CHOI) programme which has been progressing well with nine achieved in week 48), another 14 CHOIs are expected to be achieved last week with a further 18 to be inspected this week.
- All of the teams have been working together and have achieved 362 out of 520 CHOIs to date, despite the challenging programme to block completion.
- Ticon are continuing to focus heavily on the progression of ceilings and linings, particularly within the cabin flats on 6 and 7 deck and the dining halls, galley and bakery on 5 deck, which allows electrical work such as smoke detectors, sockets and lighting to progress.
- Ticon are also continuing their screeding programme, with areas in 6 & 9Dk, ring J, underway. Imtech are also progressing well, fitting 92m of vent this week while working in all available ATU compartments and completing vent installations in complex areas such as the Galley and bakery.
- This week 287 mechanical pipe audits and 74 pressure tests on pipe spools have been signed off.
- LB03 electrical scope also continues to progress well with 734m of cable installed, 766 terminations completed and over 1000 cable cores checkwired.

HMS Prince of Wales LB04:

- This week there has been a number of successful quality inspections taking place on LB04.
 - 10 pre-paint inspections have been conducted in the FAB and SBOH areas this week. These were of sufficiently high standard that no observations were raised.
 - 22 PO1 inspections were completed to a standard that minimal observations were raised.

- Ensuring this positive quality trend is key on LB04, and to further ensure this high standard further coaching sessions have been set up, these have been conducted throughout the week with additional support given to new staff that joined LB04 earlier this week.
- To date there are 130 (82%) units in preparation with 120 (75%) having progressed into the fabrication stages and 94 (59%) successfully delivered into the SBOH.
- The outfit progress continues well within the cabin areas. Last week 7 deck ring S (Port, Starboard and Centre) compartments completed the full paint system application.
- Continued progress was made in pipe installations with an installed figure of 4910 (27%) against a planned value of 4200. This has allowed the mechanical inspections to advance as well as the pipe testing, which we have currently tested circa 100 spools to date.
- As part of the ongoing lessons learned, a substantial amount of preparatory work has been undertaken on the LB04 Ship 02 test paths which will aid the pipe testing process in the future.
- PO1's last week, with a planned figure of 151 hot work inspections – 146 having been submitted, 129 have now been fully barcoded through CMS, six have been achieved partial and 10 are Quality Control achieved awaiting barcodes.

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