

October Milestones

Over the coming month three major milestones happening on QEC are:

- **LB02 Ring C to Ring D join up** due to take place **15th October**
- **Mast Cap installation** scheduled for **16th October**
- **Ramp section 168 erection** scheduled for **28th October**

Final Propulsion Motor Installation

Last week saw the fourth and final Propulsion Motor on LB04 being successfully delivered and fitted on ring N.

SHE

- Last week HMS Prince of Wales LB04 continued its excellent record of no lost working day cases on the Block.
- On LB03 there were no first aid treatments or recordable accidents on the block, continuing the positive trend of no lost working day cases on LB03 since April 2012.



Spotlight on....

John Bowers, Electrician

Where did you start your career?

I did an electrical apprenticeship with a small firm in Glasgow. In 1975 I started work in Scotstoun as an electrician working on

Type 22s, 23s and 26s and then LB04 on the QEC, I've been in Rosyth for over a year.



What does your job entail?

I work on L and K rings on LB03 connecting various electrical equipment, such as lights and smoke detectors which all need to be functioning.

What is the best part of your job?

It is the variety of the job, every day you are working on something different from lights to transformers. Recently at Rosyth our teams have been integrated meaning all alliance partners and major subcontractors are working together under one supervisor, this has really helped with the flow of work and means we are getting more done.

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

I was working nightshift when the forward island was lifted into place back in February, it was a really impressive thing to see.

What do you do in your spare time?

I have 3 dogs, a German Shepherds and two Collie crosses so I unwind by taking them for walks.

HMS Queen Elizabeth

Rosyth

HMS Queen Elizabeth LB04:

- Last week the monthly care and protection audit has taken place on LB04. A satisfactory rating was achieved.
- Compartment inspections have continued last week with six forecast to be signed off by the customer. This includes the final compartment in 6Q, the stairwell 6QY9, and the two large propulsion drive compartments in 7P.
- There has been 13 compartments put through their initial compartment inspections with a view to being washed up with the client this week. Included in this batch is the starboard section of the medical complex in 5M which consists of nine compartments.
- The main progress on site for the shaft programme has been continuing with the alignment of external shaft brackets. The sliding shaft installation cradles have been sent to a sub-contractor (fluratech) for teflon bonding ahead of the planned installation under the shaft line.

Tanks

- There is a wash-up meeting for the compartment completion inspection (CCI) of 0MA0 (Sea Chest), which is scheduled next Thursday for sign off by the customer.
- On Wednesday one of the largest tanks 0AX0 (Ballast Tank) which holds approx. 900Te of water successfully completed its water test.
- Blast activities are well under way in 0FX7 and forecasted to be completed over the weekend ready for quality control.
- Tank 0CX0 (Ballast Tank) has successfully completed its paint programme and awaits QC Inspection.
- Next week blast activities will commence in Tanks 0NC7, 0NC0, 0AX0, 0MX7, 0BX0 & 0QZ8.
- Engineering continue to progress with their DISR programme. This week there are 3 Tanks up for review by Engineering. They are 9AH0, 8HA3 & 8LZ3. DISR's for these tanks are expected next week.

Assembly

As part of the wider shaft installation and alignment programme, the intermediate A-Frames have now been jacked into final position. Progress continues on main A-Frame installation with final fairing on-going. The Mast Cap has been moved to the dockside this week in advance of erection to ship next week.

Manufacturing

Sponson Block builds for SP03, SP04, SP06 forward and aft, and SP09 are continuing to make progress in the Syncrolift for HMS Prince of Wales. The units for SP04, SP06 forward and aft, and SP09, are progressing in the heavy fabrication bays. The Mast Cap for HMS Prince of Wales is on-going and the current activities being undertaken are the fitting of Pipework and Cable Basket.

Appledore

The first batch of six sponson 2 units for HMS Prince of Wales have been moved by road to the departure quay in preparation for vessel load-out and onward transportation to Rosyth.

The catwalks for HMS Queen Elizabeth sponson 12 will be ready for transportation next week with CB05 and CB06 units to follow.



HMS Prince of Wales

Portsmouth

HMS Prince of Wales LB02:

- All phase two tank testing on individual rings are complete, with shot blasting and painting of three tanks in G ring starting this week (Week 42).
- Phase three tank dry survey and tank testing plan is in place and ready to start on schedule.
- Transport meetings draw to a conclusion after fully preparing for C ring to move onto the rest of the block early next week. Mammoet will arrive on Monday 14th to set up under the block, with the ring join-up going ahead as planned on Tuesday 15th.
- Structural consolidation is continuing on all areas which are accessible, with steady progress, with structures and hotwork. Rings F to G and E to F join ups are all nearing completion.
- Outfit is on-going in all areas with steady progress, the focus being on G ring and the cable reeving.
- We have installed 6,247 pipes and testing is on-going.

HMS Prince of Wales CB02:

- Paint is progressing well on units C205 and hot work is continuing on units C209 and C210 in Hall A.
- After a successful lift last week for C207 on ring B, consolidation has started and progressing well.
- Work is progressing well on the ring B and C build and transportation grillages in Hall B.
- Units C230, C230 and C233 are progressing well in the (Steel Production Hall) SPH.
- Six PO2 inspections are planned for this week.
- C208 has been erected and consolidation has commenced on ring B in Hall B. – See below



Govan

HMS Prince of Wales LB03:

- The focus remains on the Compartment Handover Inspection (CHOI) programme which has been progressing well with 11 achieved in week 40. Last week, 24 compartments have been inspected with a further 20 to be inspected this week. All of the teams have been working together to achieve the challenging programme for block completion.
- Painting on the block continues with the completion of stripe coating in the ring K dieso tanks.
- Ticon are continuing to focus heavily on the progression of ceilings and linings, which allows electrical work such as smoke detectors, sockets and lighting to progress.
- Compartment air testing and pipe system testing continue this week with the completion of the air test of ring L starboard ballast tank. A further 401 spools have been mechanically audited and 234 spools have been pressure tested.
- Progress also continues with electrical scope with a further 4,050 metres of cable being pulled. This leaves 11.8km to be pulled to achieved the milestone of 260km by December .
- A further 1,309 terminations were completed last week and over 13,800 cores check wired to date.

HMS Prince of Wales LB04:

- To date there are 111 units in preparation with 99 in the subsequent fabrication stage and 76 in the shipbuild outfitting hall bays 1 and 3.
- Last week two units were successfully erected – LP10 and LP11. There were also two dry surveys achieved– LR49 and LQ43.
- This week the final castellation unit of ring R will be added to the Block, this will be all ring R units assembled on the Block.
- Following this handover, the installation of the lock out equipment and machinery has now started. This is in preparation for the delivery and installation of the Diesel Generators arriving early next month.
- From a planned figure of 94 hot work inspections – 75 have been submitted, one is with quality control, four have been inspected by quality control, five have been achieved and are awaiting barcode. With the remaining planned to be complete in the next two weeks.

Merseyside

HMS Prince of Wales CB02:

Ring G Structure (see image below):

- The initial structural dry survey on CBO2G C221 took place on 10th October.
- 2dk C228-C229 units 3d bulk head erection is now 80% complete.
- Flight deck panels on 1 deck jig sub arc welding.
- The initial 50mm magazine bulk heads surveys have been carried out.
- Transport grillage for C221 G ring 3/4 deck are now 95 per cent complete.

Ring G Outfit:

- Start of class I system, inergen pipework fabrication.
- The seat and supports are in production and inspected to facilitate timely hot work survey.
- The air escape vent pipework has been galvanised and is ready for installation.



Tyne

HMS Prince of Wales CB03:

- Ring K (below) is now being consolidated into two half rings with the lift and turn of two more units scheduled for early next week.
- Ring H is progressing well with outfit on the West Quay with 162 m and 122 of pipe now installed.
- Ring J is continuing with join up activities and will be completed next week for painting.
- Six compartments have now been insulated and pipe and vent install has begun.
- All the bulkheads for ring LK have been manufactured and the first deck plates are being laid out for 3D build.
- Ring L continues to have bulkheads manufactured.



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