

Diesel Generator Delivery

Last weekend saw the delivery and installation of the Diesel Generator sets for HMS Prince of Wales in Govan. This complex task was completed with no quality or safety issues, and one month ahead of the original plan— a credit to everyone involved.

A time-lapse video of the installation is available on the ACA's YouTube channel:

<http://www.youtube.com/QEClassCarriers>



What's your BMI?

Rosyth's most recent delivery was a piece of kit that won't be installed on HMS Queen Elizabeth. At least not yet! The Healthcare M7 machine in the Yorkon building amenity centre can tell you your BMI, take your blood pressure and record your heart rate. It is free to use and can help you monitor progress towards a healthier lifestyle.



Spotlight on....

Eddie Chambers, Production Support and DSIR Delivery Engineering Manager



Where did you start your career?

I started with Swan Hunter Shipbuilders on the Tyne in 1972 as an apprentice. I worked there until 1994 when I left

to work in Holland. I have been very lucky in my career as I worked in or managed programmes in twelve different countries across three continents either as project support or in the drawing office. I have also been fortunate as I love the job I do.

When did you start on QEC?

I have been on QEC for 10 and a half years. I've been visiting Rosyth for the past six years and it has been my permanent base since the start of the year.

What does your job entail?

I am support for production. I deal with any design issues that may arise and try to eliminate them from the design programme. On a day to day basis I answer questions and try to resolve any technical queries around the platform and aviation from a production side of things. Production staff will come to me if they can't achieve what they were asked for and we work together to find a solution.

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

It will be when we get to the end and have achieved what we set out to achieve. All the milestones are great but they are only chapters in the book. I am looking forward to the end result.

Finally, what do you do in your spare time?

I have lived and breathed ships my whole life so that consumes all of my time. On the occasion that I do something else, it would be watching Newcastle United FC play.

SHE

Rosyth

SHE – a personal example of its importance

Ken Woodward will give a series of presentations on how SHE has affected his life on Wednesday 20th November.

Ken was blinded in a workplace accident when working for Coca-Cola and will discuss his accident and the impact it has had on him and his family.

Invitations are already issued however additional places may be available, anybody wishing to attend should contact Alison Cornforth on extension 54113.

Safety Culture:

To be truly effective health and safety has to be something everyone sees as part of their working day. A recent exercise has seen SHE representatives at Rosyth take a close look at the way everyone can work together to help shape our workplace, ensuring SHE is a central part of everything we do as one team.

Govan

Last week there were no first aid treatments or recordable accidents on the block, continuing the positive trend of no lost working day cases on LB03 Ship 02 since April 2012.

There have been no accidents or incidents last week on LB04 Ship 02. This continues the positive trend of zero recorded LWDC's on LB04 to date on the Block.

HMS Queen Elizabeth

Rosyth

HMS Queen Elizabeth LB04:

- Last week on LB04 nine compartments were signed off by the client following successful inspections. This includes four stairwells; this leaves only the service trunks to achieve in ring/deck 8P. The remainder of the compartments are in ring R; 4 in the 5M medical complex and the escape trunk in 9M.
- Following initial inspections this week it is forecast that a further 10 compartments will be signed off this week. Compartment 7QY9 is part of this group, on achieving this the entire ring deck will be complete.
- Elsewhere on the block the two rec spaces in 6N have been split into three sections to aid the inspection process. This will allow better control of the behind lining and compartment inspections in these areas going forward.
- The scheduled installation audits (IA's) have commenced. The first batch are electrical and are being carried out in rings M, N, P and Q. They are currently on track with terminations completed ahead of planned handover to commissioning next week.

Tanks

- The main focus on the Tank programme has been blast and paint activities with three Tanks in blast and 18 Tanks in paint throughout Damage Control Zones 1-3.
- Quality Control have conducted a number of inspections this week consisting of blast Inspections in 0AX0 (Ballast Tank) and partial paint inspections in compartments 0GY8 and 0GY9 (Heel Correction Tanks).
- Upper level Paint Inspections were also carried out in compartments 0GC3 (Bilge & Sullage Tank), 0GX3 (Bilge&Sullage Waste Oil Tank), and 0GY3 (Dieso Overflow Tank), all of these have been signed off with minor defects which are expected to be cleared over the weekend.
- Engineering continue to progress with the Design Intent with an additional 11 compartments signed off and DI statements issued. This brings a total of 83 Of 138 compartments achieving Design Intent.

Shaft Programme

- The Port Side Tunnel bearing castings have been successfully welded into position.
- Three of the four propulsion motors are positioned into a projected preliminary line of sight.
- Two thrust-blocks are also positioned into a preliminary line of sight.
- Welding of the Port Main 'A' bracket is on track to be completed this week and the Intermediate bracket is now progressing to plan.
- Internal equipment for the shafting programme has commenced delivery.

Hull Programme

- The Port, Main and Intermediate shell closing plates have been fitted and have commenced welding.
- The welding of Starboard, Main and Intermediate castings are now underway and progressing well.
- The Port Stern Tube is currently being welded and the Starboard side has been successfully lifted into position
- Dock stool removal is still progressing in-line with the plan.



HMS Prince of Wales

Portsmouth

HMS Prince of Wales LB02:

- Painters have started in the F to G join up areas and are progressing well.
- Structural completion which is going well and is expected to finish ahead of plan.
- Cable reeving is moving steadily with over 60,000 metres reeved to date, and thousands more metres becoming available from the completion on screeding on priority compartments on 6C and 6G which hold the main switchboards.
- More X-raying is being carried out this week to check the welding, which is all moving smoothly.
- Work has progressed well in 6G priority compartments with outfit; all compartments have been handed over for screeding.
- Pipe installation is progressing well; with a total of 7,188 pipes across the block installed to date.

HMS Prince of Wales CB02:

- Unit C212 has been 'topped and tailed' this week and moved up onto Ring B, (see bottom left) this will be followed by unit C215, which will be the first unit to be placed on Ring C grillage early next week.
- A large amount of work has been done working on the pipe systems on Ring A, where all Ring A pipes have been submitted to CMS ready for 101s. This will speed up the process of getting pipes installed and tested.
- Paint inspections on 3 deck have been complete allowing outfit to start as planned next week (week 47)
- A Care and protection audit has been carried out which has been very successful, showing no issues and therefore no actions.

Govan

HMS Prince of Wales LB03:

- The main focus remains the Compartment Hand-Over Inspection (CHOI) programme which has been progressing well with 14 achieved in week 43, 17 achieved last week and a further 19 to be inspected this week.
- Painting on the block continues this week with the spray painting of 9Dk vent trunk, with the 9Dk void spaces already handed over.
- 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.
- Compartment air testing and pipe system testing continue this week with the air test of LB03 Cofferdam and pipe passages expected to be complete and handed over by the end of the week, this relaxes all work which had been restricted in both these areas and on 9Dk above.
- A specialised contractor has arrived on site to begin the high pressure testing of the Inergen pipe system in the 5Dk pipe passages, this testing will be undertaken on the back and night shifts as it poses a high safety risk.
- Last week 152 spools were mechanically tested and 75 spools have been pressure tested. Progress on electrical scope continues with 300 metres of cable installed, 956 terminations completed ; taking the total to over 16,533 cores check wired to date.

HMS Prince of Wales LB04:

- To date we have 125 units in preparation with 113 having progressed into the Fabrication stages and 75 successfully delivered into the SBOH. We have a further four units planned to be erected this week. Also, this week we did see the successful completion of two dry surveys on LQ37 & LR88. This keeps us ahead of the plan by four dry surveys.
- In terms of the pipe installation on the block we are currently ahead of the plan with 4408 pipes installed against a planned value of 3584. This is really good progress to stay ahead of the plan. We are now looking conducting our mechanical inspections and will start pressure testing the pipe work next week.
- PO1's this week, we have a planned figure of 112 hot work inspections – 101 having been submitted, 88 have now been fully Barcoded through CMS, 5 have been achieved partial & 13 are QC achieved awaiting Barcodes.

Merseyside

HMS Prince of Wales CB02:

- Pipe work fabrication for systems continues for compartments in CBO2 F&G in the pipeshop.
- Bulkheads for two deck compartments have been erected onto underside of the flight deck (see below).
- The transport grillage erection for CBO2 F
- The eye plates on unit C221 are being tested.
- Unit C228 has been lifted, turned and erected onto Berth.
- Nest cutting and t girder fabrication begins for CBO4 ship 2.



Tyne

HMS Prince of Wales CB03:

- Ring H outfit continues with first cables ready to pull.
- Ring J join ups is nearing completion and hangar insulation is being installed.
- Ring J system routing has begun with pipes, cable basket and duct in.
- Ring H to J join has been welded on flight deck and continuing in hangar area.
- Ring K in hotwork inspection and paint prep ahead of paint cell window(below – foreground)
- Ring LK final all but one units have been erected and unit Join ups are continuing.
- 2 deck plates on Ring L are on stands with bulkheads being erected; flight deck plates are on the panel line.



Systems Delivery

Congratulations to everyone involved in the delivery and fitting of the final two Wartsila Diesel Generators for HMS Prince of Wales at Govan.



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