

Its impossible engineering!

Last week a TV documentary crew spent three days filming aboard HMS Queen Elizabeth with ACA team members and the Royal Navy. They were in Rosyth to record an episode of the upcoming 'Impossible Engineering' series for the Discovery Channel.

The production company, TwoFour, will focus on the historical developments of aircraft carriers with our very own Queen Elizabeth Class Carriers as an example of the pinnacle of modern design, as well as the largest warships ever constructed for the Royal Navy.

Stuart Justice, ACA Deputy Chief Engineer, was interviewed explaining various design features, such as the unique fore and aft islands, the stabilizers, power and propulsion and the automated heavy weapons handling system, amongst others.

Stuart explained: "I enjoyed the filming and hope the public, when the episode is shown, will see how amazing these two carriers are. It's too easy to be blasé when working day-in-day-out on the programme, but when you're explaining the various features and see how excited people are about them, you realise how incredible these warships truly are."

The documentary team will also film the F35 Lightning II Simulator in Warton where future pilots on the carriers are currently training. The ACA Communications team would like to thank the support of everyone working on HMS Prince of Wales and HMS Queen Elizabeth during the filming, including JJ (Steve McKenzie, Project Engineer).



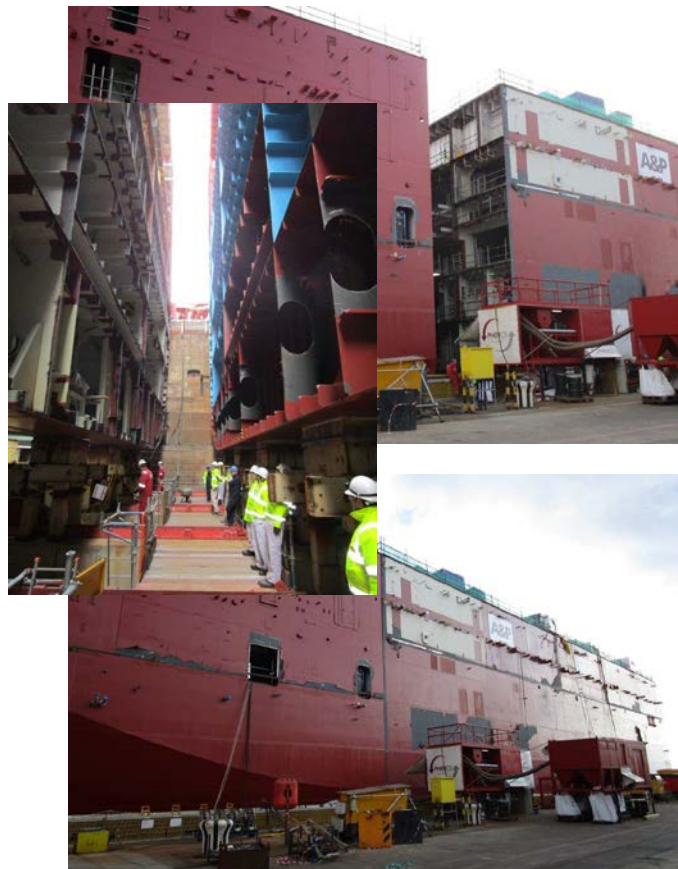
Prince of Wales Skidding

A major assembly milestone for Prince of Wales was achieved this weekend with the completion of the skidding of SB03 to SB02. See photographs below.

A specialist jacking and skidding system was evenly positioned across the length of SB03 comprising of five lines of jacks, each capable of lifting 400 tonnes. All jacks joined together and worked simultaneously to ensure a stable lift of the block - approximately 100mm off the ground. Hydraulic rams then worked to move the block forward 17 metres along the dock bottom. The blocks are now positioned within the 10mm tolerance required for sign off.

This massive operation was completed in one day and was a tremendous success. Thank you to everyone involved in this process.

Time lapse footage will shortly be available on our website. www.aircraftcarrieralliance.co.uk



Pipe, Angle and Flat Bar now available at J Berth Rosyth



Through surveys with production and feedback from AIM studies, it was identified that there was no easily accessible supply of pipe, angle or flat bar. It was clear that supply chain needed to support production by providing the material needed to get the job done.

All commonly used angle and flat bar sizes are now stocked and managed at J Berth workshop and production are encouraged to use this material. Pipe is available from Store 05 – just bring a request from your supervisor. The supply chain team will happily receive any feedback on this new supply, including requests for additional material, just contact the Store 05 supervisor.

Thanks go to supervisor Gary Shaw for pointing us in the right direction. Recognition also goes to Graeme Robertson from Store 05 who will now manage the supply of material into the J Berth workshop. Paul Johnson, Jason Crosbie, John Ford, Andy Keeley and Kevin Kinch also played a crucial role.

AIM Roadshow - Rosyth Wed 5 Nov

The next AIM roadshow will be held in the Prince of Wales room in Building 100, with five sessions, lasting 45 minutes each. Timings are as per below:

13.10, 14.00, 14.50, 15.40, 16.30

The roadshow provides an opportunity to observe short presentations from each of the projects within AIM; Planning, Productivity, Supply Chain and Change. Why not come along and find out more about what the AIM team is doing to help enable effective delivery of the Aircraft Carrier Programme and share your views.

Please [click here](#) to confirm a space in the session that suits your diary.

Prince of Wales Clyde LB04

Last week there were zero recordable accidents on the block and none to date this week. Safety continues to be the top priority on the block.

Following acceleration of the project plan block delivery date from September 15 to July 15, the project are now finalising the detailed plan to complete build scope.

The P01 plan is being progressed and the focus in build is now to co-ordinate both the objective to achieve the milestone, and the follow on activities dependent on P01 achievement. Particular focus is being placed on the support of Alliance Partner Balfour Beatty to meet a milestone to install a 300km of cable. This is being supported via cross-function and management walk rounds to prioritise and manage areas to support both milestones.

The throughput of P01s has been strong each week with 18 P01s barcoded last week, with a further 18 expected to be barcoded this week.

A number of build assurance audits have been conducted in the last few weeks, on the installation of Chibro and Hilti, and on ITRs for hotwork, mechanical testing and pressure testing of pipes, which have all been satisfactory.

The focus on change continues, where weekly issues meetings are being used to both resolve any holding issues, and also the planning of scope in the level three plan. The project are also embedding additional controls on weekly spend versus planned activity work orders, in order to strengthen confidence in the plan.

19 CHOIs were also achieved last week taking the total 192, which is 31 ahead of the plan. A further six compartments are due to be washed up this week.

The project and build teams have been working closely together to improve the pace of the programme, and will continue to do so.

Merseyside

CB04

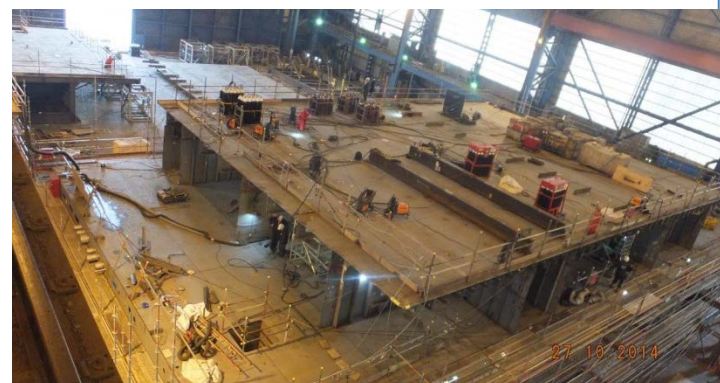
Work on CB04 Prince of Wales continues with P01 inspections in CB04A totalling 15 whole, and four partial compartments complete.

Following these inspections several compartments are now painted, and the insulation and metalling teams are close behind.

CB04B, C and D steelwork construction is continuing with CB04B due to be structurally complete early in the new year.

Last week the first CB04 block completion and handover meeting was held at site with the aim of setting up the handover process as early as possible to ensure a smooth transition into the integration site when the blocks are complete.

Pictured below CB04B (foreground) and CB04C under construction



CB04A in final outfit position. P01s, paint and insulation underway

