

Planning/Programme

- Hull 801, 3 months on from the launch, progress has been slow on the vessel. There is a lack of personnel, skills and experience, the yard are short of Design Draughtsmen, Engineers, Steelworkers, Welders, Pipefitters, Engineers, Cleaners and experienced Coating personnel.
- Hull 801, as of 16th February 2018 – 98.42% fabrication achieved. Original date for 100% fabrication 16th January 2017. Currently **13 months** (and 1.58% in terms of fabrication) **behind schedule**.
- Hull 802, as of 16th February 2018 – 62.23% fabrication achieved. Original date for 100% fabrication 16th December 2016. Currently **14 months** (and 12.77% in terms of fabrication) **behind schedule**. 802 is now being joined up on the slipway. The approach to this vessel recently is much more in line with logical ship building practice.
- Delivery Hull 801 , last week FMEL verbally advised CMAL of a delivery period (no date) for 801: Winter 2018/2019, **the winter timetable runs to end of March**. Three and half months on from the meeting where FMEL advised a delivery date - 28th October 2018, our opinion is that the FMEL “**winter**” date can be no earlier than March 2019; 5 months later than the date advised just 3 and half months ago by FMEL. CMAL’s opinion, given the under resourcing, processes and QM systems is that it will take **at least 12-15 months to deliver 801**. This assumes that there will be no hiccups when FMEL reach the commissioning stage. Also following handover to CMAL, CFL require 8 weeks for LNG certification, **another 2 months to add**.
- Delivery - Hull 802: FMEL are to advise the new date for delivery. given current progress, **guestimate for delivery of 802 is end Dec 2019**.
- We ask FMEL frequently for programmes for both vessels, FMEL are still not providing us with anything. Still no delivery date for 802.

Workforce

FMEL lack resource in all areas; management/supervision, technical and production. FMEL advised that in the next 2 weeks, they will increase the production labour resource with 40 to 50 people.

Manoeuvring and Berthing Simulation Tests

Updates (modification to astern running) are to be made to the software for the ship model. Further testing was to be carried out at the Glasgow College facility on Thursday 15th February 2018, unfortunately this was cancelled. The delay is due to an administration issue by CoGC who have switched to an electronic billing and invoicing system. When they were placing the order for the work to be done their system generated an invoice and not a P.O. We await new dates and have advised CoGC of the urgency.

A further visit to the simulator is planned for Monday 05th March 2018 to include options for alteration of arrangements at Ardrossan.

CFL have requested an additional gun port on the stbd side of the vessel for operations at Uig. We have asked FMEL to consider this as a VTC. We expect FMEL will claim permissible delays as well as additional costs.

Passenger Numbers/Accessibility

For a vessel required to carry 1000 passengers, accessibility for wheelchair users throughout the passenger accommodation (including the external areas on Deck 6 and 7) is very tight, CMAL have produced a drawing which we have shared with CFL, showing the challenging areas.

Consideration to be given to reducing the passengers numbers from 1000 to provide reasonable accessibility; by removing internal and external seats.

Photographs – 801

Deck 6 to 7 Aluminium Decks



Engine Control Room



Photographs – 802



Photographs – 802

Main Engines



YARD NO. 801									
Milestone	Original Scheduled Date See Note 1	Revised Scheduled Date See Note 2	Revised Scheduled Date See Note 3	Revised Scheduled Date See Note 4	Revised Scheduled Date See Note 5	Revised Scheduled Date See Note 6	Revised Scheduled Date See Note 7	Actual Date	Comments
Cutting of Steel	15 Dec 2015	15 Dec 2015	-					15 Dec 2015	Achieved on original scheduled date Rev 01
10% Fabrication	18 Apr 2016	13 Jun 2016	-					10 Jun 2016	Achieved 2 months later than original schedule Rev 01 Achieved in line with revised schedule Rev 03
25% Fabrication	14 Jun 2016	26 Jul 2016	-					04 Aug 2016	Achieved 2 months later than original schedule Rev 01 Achieved in line with revised schedule date rev 03
35% Fabrication	15 Aug 2016	12 Sep 2016	-					06 Oct 2016	Achieved 8 weeks later than original schedule Rev 01 Achieved 4 weeks later than revised schedule Rev 03
50% Fabrication	14 Oct 2016	14 Oct 2016						09 Dec 2016	Achieved 2 months later than original and revised schedules
Major Equipment and Lock Out Items Installations	14 Nov 2016	13 Mar 2017 to 18 Jan 2018	-	14 th June 2017	16 th July 2017			16 th July 2017	Not all major equipment has been delivered/installed: Electrical Switchboards, Propellers/Shaft lines/, RoRo Equipment still to be installed.
75% Fabrication	15 Dec 2016	15 Dec 2016	10 Feb 2017					31 st March 2017	Achieved 3 and a half months later than originally scheduled.
100% Fabrication	16 Jan 2017	16 Jan 2017	16 June 2017	10 th July 2017	15 th Sep 2017				98.42% Fabricated. Original date for 100% fabrication was: 16 January 2017. Currently 13 months (and 1.58% in terms of fabrication) behind original schedule.
Berth Join Up	14 Mar 2017	28 Apr 2017	14 Jul 2017	15 th Aug 2017	06 th Oct 2017			17 th Nov 2017	Achieved 8 months later than original schedule
Hull Inspection Prior to Paint	17 Apr 2017	26 May 2017	21 Apr 2017	24 th July 2017	tba			18 th Aug 2017	Partial area inspected only.
Launch	14 Aug 2017	24 Aug 2017	24 Aug 2017	24 Aug 2017	21 st Sep 2017	21 st Nov 2017		21 st Nov 2017	The status of the drawings, outfitting and installation several months behind schedule.
Delivery	25 May 2018	29 Jun 2018	25 May 2018	25 May 2018	25 th May 2018		28 th Oct 2018		

Note 1: From Cardinal Programme Rev 01 dated 14 Dec 2015
 Note 2: From Cardinal Programme Rev 03 dated 16 May 2016
 Note 3: Email from FMEL 09 Dec 2016
 Note 4: 12th May 2017
 Note 5: Emails Week 28/2017

Note 6: Email 04 Sep 2017
 Note 7: Meeting FMEL 03 Nov 2017

YARD NO. 802									
Milestone	Original Scheduled Date See Note 1	Revised Scheduled Date See Note 2	Revised Scheduled Date See Note 3	Revised Scheduled Date See Note 4				Actual Date	Comments
Cutting of Steel	15 Dec 2015	15 Dec 2015	-					15 Dec 2015	Achieved on original scheduled date Rev 01
10% Fabrication	18 Apr 2016	13 Jun 2016	-					10 Jun 2016	Achieved 2 months later than original schedule Rev 01 Achieved in line with revised schedule Rev 03
25% Fabrication	14 Jun 2016	02 Aug 2016	-					04 Aug 2016	Achieved 2 months later than original schedule Rev 01 Achieved in line with revised schedule date rev 03
35% Fabrication	15 Aug 2016	26 Sep 2016	-					06 Oct 2016	Achieved 8 weeks later than original schedule Rev 01 Achieved 2 weeks later than revised schedule Rev 03
50% Fabrication	14 Oct 2016	18 Nov 2016	20 Jan 2017					13 Jan 2017	Achieved 3 months later than original schedule Rev 01
Major Equipment and Lock Out Items Installations	14 Nov 2016		TBA	16 Oct 2017					"Installation" of all the "Major Equipment" has not been commenced on the 14th November 2016 as per original plan.
75% Fabrication	15 Dec 2016	19 Jan 2017	05 May 2017	22 Sep 2017					62.23% Fabricated. Original date for 75% fabrication was: 16 December 2016. Currently 14 months (and 12.77% in terms of fabrication) behind original schedule.
100% Fabrication	16 Jan 2017	20 Feb 2017	20 Oct 2017	13 Oct 2017					FMEL to advise new date.
Berth Join Up	14 Mar 2017	05 Jan 2018	14 Dec 2017	10 Nov 2017					FMEL to advise new date.
Hull Inspection Prior to Paint	17 Apr 2017	02 Feb 2018	24 Nov 2017	31 Oct 2017					FMEL to advise new date.
Launch	12 Oct 2017	20 Mar 2018	12 Jan 2018	17 Nov 2017					FMEL to advise new date.
Delivery	26 Jul 2018	29 Aug 2018	26 Jul 2018	26 Jul 2018					FMEL to advise new date

Note 1: From Cardinal Programme Rev 01 dated 14 Dec 2015

Note 2: From Cardinal Programme Rev 03 dated 16 May 2016

Note 3: Email from FMEL 09 Dec 2016

Note 4: 12 May 2017