

Programme: 100m LNG Dual-fuelled Ro-Ro Passenger Ferry

Programme Director: [redacted]

Review Period: September 2020

<u>Name</u>	<u>Job Title</u>	<u>Signature</u>
[redacted	Programme Director	
[redacted]	Project Accountant	
[redacted	Planning and Controls Manager	



1a. SHE

1. Monthly Cumulative Safety Statistics

S/#	Title	This Mont	h Figures	Cumulative			
01	Total Man Hours	46,685	46,685				
	(provided by Planning Department)						
02	Man Power	Direct	212				
	(provided by HR)	In-Direct	119				
		Total	331				
03	RIDDORS	0	<u> </u>	0			
04	Fatality Case (Fatal)	0		0			
05	Lost Working day Case (LWC)	1		3			
06	Medical Treatment Case (MTC)	2	2				
07	First Aid Case (FAC)	6		19			
08	Property Damage (PD)	0		0			
09	Near Miss (NM)	1		3			
10	Fire Incident (FI)	0	0				
11	Environmental Incident	0		1			
12	Total Number of Recordable Injuries	1	1				
13	Total Number of Days Lost	10		16			

2. Description of Incident/Accident and Near Miss Reported This Month

Events (NM/MT/FA/PD ETC...

- Lost Working Day Case 1 case in month of July Worker injured knee when coming down ladder on 802.
- 2. Medical treatments -
 - we had 2 minor burns to hands in month, with hydrogel spray applied with dressing.
 - Few minor cuts to fingers or hands, cleaned & dressed with no further action.
- 3. First Aid 3 incidents of cuts to hand & 3 foreign body in eye.
- 4. Fire incident fire alarm checks continue weekly as we start back after Covid-19.
- 5. Environmental incident no environmental incidents occurred in month of June.
- Near Miss 801– Piece of metal used to make bracket had fallen through scaffold boards and almost hit a worker below.

3. Other SHEQ Activities

Description	This Month	
Site Safety Inspection	3	801 fire & smoke alarm inspections . Top shed & module hall. 802 3dk safety walk & scaffold tag check.
Toolbox Talks	2	Smoking Policy Covid – 19 Return to Work Refresher on all Risk Assessments
Policy/Paperwork Reviews	2	Top Man for confined space Permit Passport
Training Courses	1	Scissor Lift Training planned for this month

4. SHEQ Initiatives

Description

SHE weekly briefings held at ships plan of the days; all issues dealt with daily.

Clearance of redundant metal, pipes, and scrap ongoing at the berth of 802.

Occupational Health for operatives working with Aluminum complete.

Further health checks for welding of chromium materials to be carried out for pipe welders.

Daily checks of bunded areas still ongoing

Additional safety signage & fire escape signs procured for the yard. Nightshift watch team will start fitting around the yard and on the vessels.

802 flood lights now installed on car deck to make area more visibly clear for everyone.

2. Contract Summary

Customer	CMAL	Contract Start	Restart – 2 nd December		
Agreed Contract value	Budget to completion - £110m	Contract Finish	801 April 2022 – 802 Dec 2022		
Project Type	ect Type Design and Build		801 April 2022 – 802 Dec 2022		
Project Director	[redacted	Contract Type	SG funded		

Project Scope	Design, build and commission 2 off LNG dual fuel ferries. Including training and provision of spares and handbooks The scope of this project is to complete the design and build etc following the Receivership of 16 th August 2019
Significant Project Changes	None (in this phase)
Acceptance Criteria	As per the specification
Payment Terms	Currently – funding provided by the Scottish Government based upon FM(PG) cash flow forecast
Warranty	The warranty for both vessels is 12 months from delivery. No allowance has been made financially for either shipyard support or suppliers warranties that have lapsed during this period
Liquidated Damages	No allowance has been made for late delivery Performance penalty for weight – the maximum allowance of £250k per vessel has been included, if the allowance is exceeded the buyer has a contractual right to terminate Performance penalty for speed - the maximum allowance of £150k per vessel has been included, if the allowance is exceeded the buyer has a contractual right to terminate Performance penalty for fuel consumption – no allowance has been made
Special Conditions	

3. Business Success Criteria

Success Criteria	Due	Owner	Enabler	Status	TL	Fut Tr
All work undertaken at ship is by work package in accordance with the programme	June 20	[redacted]	Development of the programme down to a work package level. Time recording aligned to allow role up. Time recording process effective.	801/802 project programmes are now at Lvl4 Detail. Manhours, zones, sub-zones and CAM's are coded within P6 for monitoring and reporting purposes.	G	\leftrightarrow
Work packages are issued with associated information and materials	June 20	[redacted]	Inventory is loaded into the stores management module on [redacted Inventory can be coded to align with P6 plan]	Substantial Works are ongoing currently. We have sample workpacks to be issued for comment w/e 22/5/20. Alignment works with P6 are at an advanced stage	G	\leftrightarrow
Inventory is properly identified in Factory Master to the appropriate level	May 20	[redacted]	Movement of equipment from [redacted] to new facility and entered onto [redacted with appropriate part numbering	Inventory has now been QC checked (with he exception of [rodacted] material and comms cabinets), loading into Factory Master is now the outstanding task	Α	↑
Technical information is produced on ime and change is minimised	Sept 20	[redacted]	Iroducare contracted to complete the design. Design review process allows proper review of the design before issue	IFA drawings are being delivered largely on time with a small number of early delays. Delays were mi igated by reducing the review time. Drawings are available at AFC to support the programme.	Α	1
Technical information is produced on ime and change is minimised	Sept 20	[redacted]	 Produce and maintain an accurate MDR, identify which existing drawings are required to be updated, identify which drawings are required for planned work packages. 	Process developed to issue and track reda production outputs, to be implemented this month as part of workpack creation.	A	\leftrightarrow
Control of change is a properly managed process	March 20	[redacte	Creation of a new process, implementation and adherance	 The process is fully operational 	G	\leftrightarrow
Customer relationship is positively maintained throughout the project	Through the project	[redacte	Regular dialogue at all levels, monthly reviews, ad hoc meetings	CMAL are fully engaged with the model review programme and long standing issues are being resolved. Monthly progress meetings are working well.	G	\leftrightarrow
Identify and manage risks and opportunities	Through the project	[redacte	A risk review process is in place and is being proactively managed	Risk review are being undertaken monthly. Key risks are being actioned	G	\leftrightarrow
The project is properly resourced wi h suitably qualified and experienced people	April 20	[reducted	Accurate resource forecas ing from the schedule and a resource strategy in place	The ITT for labour resource has been completed and suppliers are now on the framework agreement. There is still a requirement for a commissioning manager however this will be managed in the short term by using Babcock resource. An offer for an on-site subcontract manager has been made and accepted. Engineering has key resource requirements to reduce the reliance on contractors.	Α	1



	marine
Successes	Opportunities
 Home working has continued during this period with engineering and finance being the key departments. The yard continues to operate with 3 days shifts and a night shift. Production capacity is now near 100% of the core workforce with the amenities having been upgraded to increase capacity. 801 successfully returned from drydock on the 8th September. All planned work was completed - see below regarding the hull paint condition. The model programme has continued over the period with the final 4 zones due to reach model freeze by the end of October. Subzone 201 has now received all [reducted] (approved for construction) information with the first load of pipework data into Factory master achieved. Equipment checking of the Westway equipment is near complete with no major issues identified todate (the communications equipment has been sent to Wartsila for a full inspection and test and [reducted] equipment to be contracted). The subcontractor labour framework is now being finalised with 3 suppliers. The [redacted] has received 6 tenderers. This will now be assessed. 	Use of a 1st fixing system – this is now agreed and work is in hand to set up for this. This will also be applied below 3dk for 802. Use of MRP function in Factory Master for pipe procurement and installation—the first file has been uploaded into FM and the procurement process will be run. – there remains issues with finalisation of the file information Improvements of engine room layout for 802has now been agreed with CMAL and reduced. The contract with reduced will be placed and a kick off meeting arranged.
Failures	Threats
 The final inspections of the 801 underwater paint scheme showed that there had been too much damage (both during initial build and with emergent work during the docking period) to accept the paint system. Remedial work will be required during the second docking period which will extend the period by circa 10 days. A report is currently being produced for agreement with CMAL to agree the rectification work. The confirmation of the draught markings in the dry dock showed that these had been applied inaccurately prior to 801 launch and the fore and aft markings will require replacing as part of the next docking period. 	COVID 19 impact to programme—Further issues/restrictions remain a threat to the programme Assessment of equipment condition from Westway. This is now near complete (with the exception of the comms cabinets and reducted equipment) and loading onto factory master will be progressed Issued for approval IFA drawings are now being received for zone 2. The large volume will be a problem to support. Indicated information is now being received and the key zone 2 areas are now being detailed planned. The QLA programmes for 801 and 802 have not yet been signed off. A reassessment of the zone 2 programme requires a change of logic within the current programme timescales There is potentially a number of secondary structure deficiencies that will cause rework. This has been reviewed at ship and confirmation that this will be scoped within

Impact Statement / Help Needed

the [redacterzone outputs is required.

 The programmes are now seeing a shortage of production labour requiring subcontractors, particularly for 802. Portacabins for additional amenities have now been ordered with a forecast date of 9th October with 1 week set up.

5. Quality

1. Current Periods Defect Update

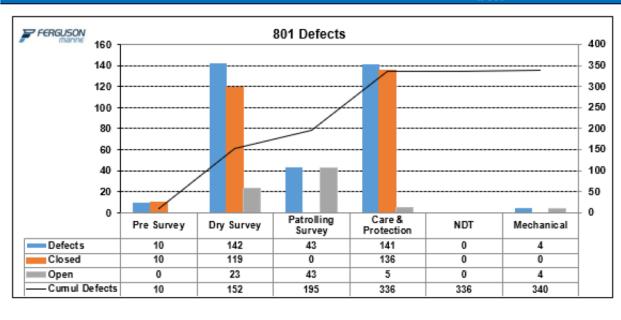
Please see below details of monthly report regarding QC progress the past month:

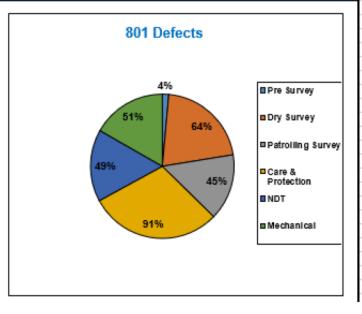
- legacy Defects continue to be progressed that were not signed off at the time of survey and are now on a 'burn down' tracker with production teams
- 802 Ultrasonic testing now restablished.
- . 801 bottom hull paint following exist from Drydock now detailed on Defect register and propsal being worked up

The following is an update from our Greenock Stores regarding pipework received defects:

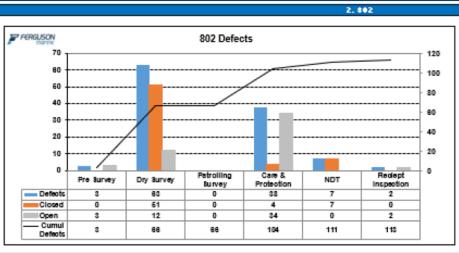
- . 801 Fresh Water pipes rejected, Total 47 to remake
- · 802 Lubricating oil system, Total 22 to remake, pickle and pacify
- . 802 Fuel oil system, Total 23 to remake, pickle and pacify
- 802 Sludge system, Total 7 to remake, pickle and pacify.

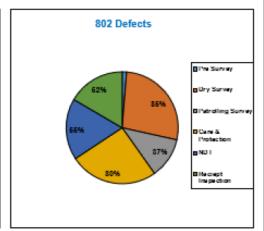
1. 801



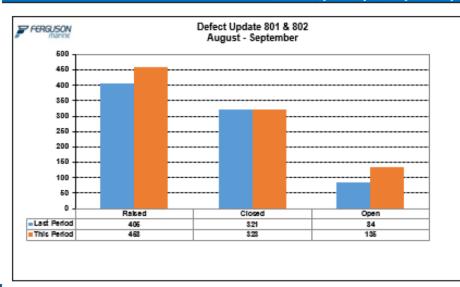


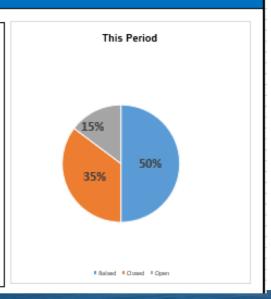
5. Quality





3. Defect Update September (#01 & #02)





5. Quality

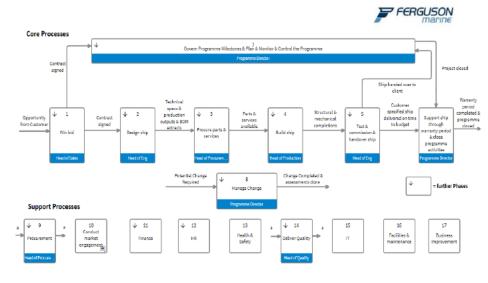
A presentation of the New FM(PG) Business process mapping hierarchy was presented to the CMAL. A very positive session and detailed how we are transforming the business to a process driven, customer focused business. Internal workshops on a phased approach commence from next week with the Production teams

Dimensional control survey of Draft marks conducted in drydock have been collated and issued to Class and Flag for review and sign off ahead on agreed rework scheduled in Dock prior to Incline and Sea trials

Technical proposal for final bottom hull painting discussed between FM(PG) and CMAL and consensus reached, formal technical submission in work and will be with CMAL before next meeting for review and endorsement

Inventory checking at Greenock now focused-on legacy pipes and piece parts, which are being marshaled and sent to Greenock stores for QC thorough examination, rejected spools per system being collated within Defect registers.





6. Traffic Light Report

		Overal	l Status		Future	Return	to Green	
Criteria	May 20	Jun 20	Jul 20	Aug 20	Trend	Date	Status	Comments
Overall Status	R	R	R	O	\leftrightarrow			 A re-baselined programme was issued as draft on 7th August and formally issued on the 21st.
Safety	G	G	G	Α	\leftrightarrow	Nov	G	The new Operations Director has reviewed safety within the yard and has identified a number of shortfalls. A new safety manager will be starting during September.
Quality	R	R	R	R	\leftrightarrow	Nov	O	 Quality remains red although the issues are changing. For the [redacted] inventory there remains only to check [redacted] equipment and the comms cabinet checks. The survey and servicing of the main machinery has been impacted by the COVID travel impacts as the engineers will be coming from Europe. An alternative needs to be reviewed. The underwater paint finish has been defected and a way forward is to be agreed with CMAL.
Customer Satisfaction	G	G	G	G				
Schedule	R	R	R	G	\leftrightarrow			 A revised programme was issued as draft on 7th August and formally issued on the 21st.
Finance	G	G	G	G	\leftrightarrow			The re-baseline has maintained the previous forecast at completion.
Technical	Α	Α	Α	Α	1	Jan	А	 Critical path AFC information is now being received for zone 2. Lloyds and MCA approval remains outstanding and a design verification exercise is to be undertaken
Subcontractor	A	A	A	A	1	Nov	G	The status remains amber as the pipework ITT did not identify enough suppliers to support the total programme and a further ITT has been issued. The Electrical ITT review process timescales to achieve a contract
Resources	G	А	А	А	\leftrightarrow			 The ITT for labour resource has been completed and a framework agreement is being finalised. There is still a requirement for a commissioning manager however this will be managed in the short term by using [reducted] resource.An offer for an on-site subcontract manager has been made and accepted. Engineering has key resource requirements to reduce the reliance on contractors.
Risk	R	R	R	A	\leftrightarrow	ТВА	G	 A revised programme was issued as draft on 7th August and formally issued on the 21st. The COVID risk has been included in the cost and programme. The status remains at Amber as there is an ongoing risk arising from COVID. There are no new major risks to the programme and the ongoing mitigation of risks is reducing the impact.



7. KPIs / Balanced Scorecard

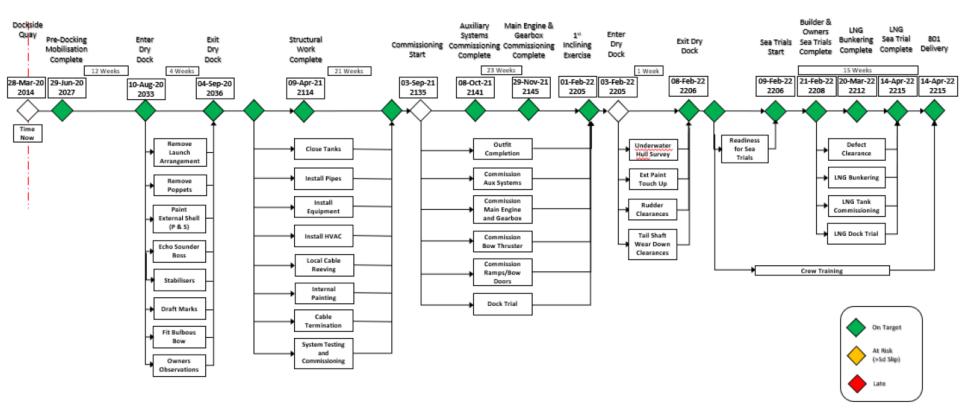
KPIs / Balanced Scorecard	801	802
1 - Health & Safety		
1.1 - Lost Working Day Cases	1	3
2 - Quality		
2.1 - Defects	Ś	Ś
3 - Programme Overview		
3.1 - SPI	0.88	0.78
3.2 - CPI	1.42	1.07
4 - Schedule		
4.1 - Completed Output Packs	TBA	TBA
4.2 - Completed Milestones - Manufacture	TBA	Phil
4.3 - Completed Milestones - Production	TBA	Phil
4.4 - Overall Project % Complete	TBA	6%
5 - Resource / Manpower		
5.1 - Resource Profile	Ś	Ś
5.2 - Labour Hours - In Period	Ś	Ś
5.3 - Labour Hours - Cumulative	Ś	Ś
5.4 - Labour Hours - Attended vs Booked	Ś	Ś
6 - Procurement		
6.1 - OTD	Ś	Ś

Overall Manhours	Budget	Actual	Remaining	Out-turn
801	446,810	12,125	433,936	446,061
802	716,739	26,689	690,494	717,183

8. Schedule Overview (1)

801 Timeline to Delivery

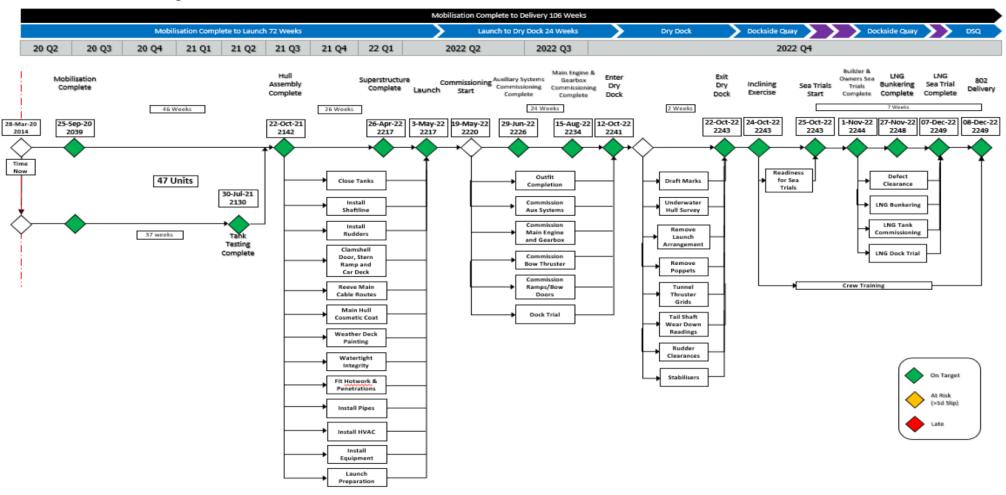




CDP has 3 weeks time contingency included compared to our Driving Project Plan

9. Schedule Overview (2)

802 Timeline to Delivery



9. Schedule Overview (3)

[redacted]

Programme



				3D Model			Pre	duction Outp	ets		801			
Zone		Start	302 Review	602 Review	902 Review	Freeze	Start	Finish	Slippage (Weeks)	Outfit Hotwork Baseline Start	Slippage (Weeks)	Outfit Pipework Baseline Start	Slippage (Weeks)	Connects
Zone 01	Planed	18-May-20		19-Jun-20	31-Jel-20	21-Aug-20		16-Oct-20		18-Jan-21		28-Jan-21		
	Actual/ Forecast	26-Jun-20		26-Jun-20	18-Sep-20	25-8ер-20		13-Nov-20	-4	08-Feb-21	-3	18-Feb-21	-3	
Zone 02	Planned	02-Mar-20		27-Mar-20	30-Apr-20	22-May-20		17-Jel-20		26-Oct-20		08-Dec-20		
	Actual/ Forecast	27-Mar-20		30-Mar-20	15-Jun-20	03-Jul-20		09-Oct-20	-12	09-Nov-20	-2	29-Jan-21	-7	Varition order raised to cover slippage. FMPG could not hit maturity level 30% on orginal dates, additional time of 5 weeks agreed by FMPG. ICR's had a major impact on this WZ. Second 30% review also held.
Zone 03	Planned	09-Mar-20		10-Apr-20	22-May-20	12-Jun-20		07-Aug-20		23-Nov-20		26-Nov-20		
	Actual/ Forecast	10-Apr-20		13-Apr-20	25-May-20	10-Jel-20		16-Oct-20	-10	07-Dec-20	-2	10-Dec-20	-2	Regarding W203 = [redacted Review for Zone 03 = 0L3 was held on 18.05.2020. ICE conclusion with respect to maturity of design if 3-D Model is that 3-D Model overall progress is around 80% (multidisciplinary) and not all the disciplines achieved the 90% target: -Structural = 35%; -Arch. Durfiting = 40%; -Hull Outfitting = 75%; -Electrical = 80%; -Piping = 70%; -Pi
Zone 04	Planned	30-Mar-20		24-Apr-20	05-Jun-20	26-Jun-20		14-Aug-20		23-Nov-20		03-Dec-20		
	Actual/ Forecast	24-Apr-20		27-Apr-20	15-Jun-20	03-Jul-20		16-Oct-20	-9	14-Dec-20	-3	14-Jan-21	-6	
Zone 05	Planned	06-Apr-20	08-May-20	12-Jun-20	17-Jul-20	07-Aug-20		25-Sep-20		11-Jan-21		22-Jan-21		
	Actual/ Forecast	08-May-20	11-May-20	19-Jun-20	14-Aug-20	04-Sep-20		06-Nov-20	-6	25-Jan-21	-2	05-Feb-21	-2	WZ slippage due to FMPG requested break in programme to allow extra time to clear ICR's.
Zone 06	Planned	02-Mar-20	03-Apr-20	15-May-20	26-Jun-20	17-Jul-20		04-Sep-20		08-Feb-21		12-Feb-21		
	Actual/ Forecast	03-Apr-20	06-Apr-20	18-May-20	10-Jel-20	24-Jul-20		23-Oct-20	-7	01-Mar-21	-3	05-Mar-21	-3	WZ slippage due to FMPG requested break in programme to allow extra time to clear ICR's.
Zone 07	Planned	16-Mar-20	16-Apr-20	29-May-20	10-Jel-20	31-Jul-20		25-Sep-20		01-Mar-21		21-Sep-20		
	Actual/ Forecast	16-Apr-20	21-Apr-20	09-Jun-20	17-Jul-20	07-Aug-20		30-Oct-20	-5	08-Mar-21	-4	26-Oct-20	-5	WZ slippage due to FMPG requested break in programme to allow extra time to clear ICR's.
Zone 08	Planed	25-May-20	19-Jun-20	24-Jul-20	28-Aug-20	18-Sep-20		06-Nov-20		21-Apr-21		12-May-21		
	Actual/ Forecast	26-Jun-20	26-Jun-20	21-Aug-20	02-Oct-20	23-0ct-20		18-Dec-20	-6	20-May-21	-4	09-Jun-21	-4	WZ slippage due to FMPG requested break in programme to allow extra time to clear ICR's.
Zone 09	Planned	09-Jun-20	03-Jul-20	07-Aug-20	11-Sep-20	02-Oct-20		20-Nov-20		08-Mar-21		18-Mar-21		
	Actual/ Forecast	10-Jul-20	31-Jul-20	11-Sep-20	16-Oct-20	06-Nov-20		24-Dec-20	-5	31-Jan-21	5	14-Apr-21	-4	WZ slippage due to FMPG requested break in programme to allow extra time to clear ICR's.
Zone 10	Planned	27-Apr-20	29-May-20	10-Jul-20	21-Aug-20	11-Sep-20		06-Nov-20		22-Mar-21		16-Apr-21		
	Actual/ Forecast	05-Jun-20	09-Jun-20	17-Jul-20	25-Sep-20	16-Oct-20		11-Dec-20	-5	07-Apr-21	-2	30-Apr-21	-2	WZ slippage due to FMPG requested break in programme to allow extra time to clear ICR's.
Zone 11	Planned	21-Apr-20	22-May-20	03-Jel-20	14-Aug-20	04-Sep-20		30-Oct-20		25-Jan-21		22-Feb-21		
	Actual/ Forecast	22-May-20	25-May-20	10-Jul-20	18-Sep-20	09-Oct-20		04-Dec-20	-5	10-Mar-21	-6	09-Apr-21	-7	WZ slippage due to FMPG requested break in programme to allow extra time to clear ICR's.
COMPLETE														



9. Key Deliverables / Milestones Status – QLA4 2020

ZONE	DETAIL DRAWINGS ISSUED AFC	LATEST ISSUE DATE
Z01	Latest AFC Drawings Issued - Z01	Oct-20
Z02	Latest AFC Drawings Issued - Z02	Sep-20
Z03	Latest AFC Drawings Issued - Z03	Oct-20
Z04	Latest AFC Drawings Issued - Z04	Oct-20
Z05	Latest AFC Drawings Issued - Z05	Oct-20
Z06	Latest AFC Drawings Issued - Z06	Nov-20
Z07	Latest AFC Drawings Issued - Z07	Oct-20
Z08	Latest AFC Drawings Issued - Z08	Dec-20
Z09	Latest AFC Drawings Issued - Z09	Feb-21
Z10	Latest AFC Drawings Issued - Z10	Jan-21
Z11	Latest AFC Drawings Issued - Z11	Jan-21

ZONE	INSTALLATION COMMENCE	EARLY START DATE
Z01	Commence Installation - Z01	Jan-21
Z02	Commence Installation - Z02	Sep-20
Z03	Commence Installation - Z03	Sep-20
Z04	Commence Installation - Z04	Nov-20
Z05	Commence Installation - Z05	Jan-20
Z06	Commence Installation - Z06	Nov-20
Z07	Commence Installation - Z07	Sep-20
Z08	Commence Installation - Z08	Feb-21
Z09	Commence Installation - Z09	Feb-21
Z10	Commence Installation - Z10	Mar-21
Z11	Commence Installation - Z11	Jan-21

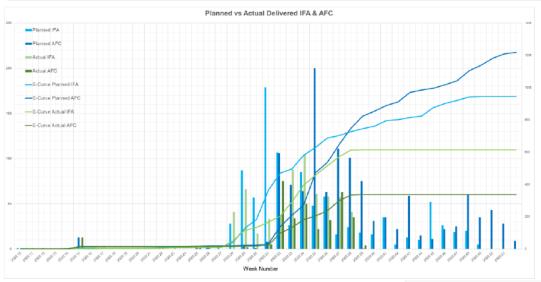
ZONE	MANUFACTURING COMMENCE	EARLY START DATE
Z01	Earliest Manufacture Commence - Z01	Nov-20
Z02	Earliest Manufacture Commence - Z02	Sep-20
Z03	Earliest Manufacture Commence - Z03	Sep-20
Z04	Earliest Manufacture Commence - Z04	Oct-20
Z05	Earliest Manufacture Commence - Z05	Nov-20
Z06	Earliest Manufacture Commence - Z06	Sep-20
Z07	Earliest Manufacture Commence - Z07	Oct-20
Z08	Earliest Manufacture Commence - Z08	Jan-21
Z09	Earliest Manufacture Commence - Z09	Feb-21
Z10	Earliest Manufacture Commence - Z10	Jan-21
Z11	Earliest Manufacture Commence - Z11	Jan-21

ZONE	CRYOGENIC PIPES INSTALL START	EARLY START DATE	
2	Commence Install Cryogenic Pipes	Sep-20	

SHIP	UNIT ERECTION IN BERTH	EARLY START DATE
802	Erect, Fair and Weld Unit 82 (1st Unit to Berth)	Oct-20
802	Install Hoistable Car Deck (Mezz Deck)	Oct-20
802	Erect, Fair and Weld Unit A5/5 (1st Superstructure Unit to Berth)	Nov-20

9a. FMPG Production Output Delivery Status

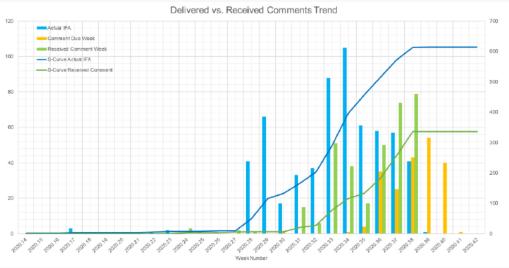




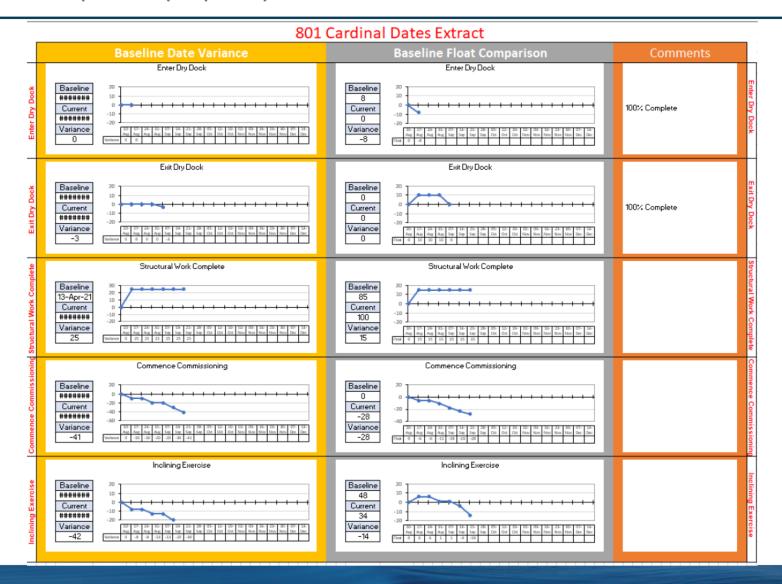
Forecast IFA - 727 Actual IFA - 613 Difference -114 Forecast AFC - 748 Actual AFC - 334 Difference - -414

The critical delivery of pipe information for zone 2 has been achieved for 0201 and 0202 and forecast for 0203 week 39

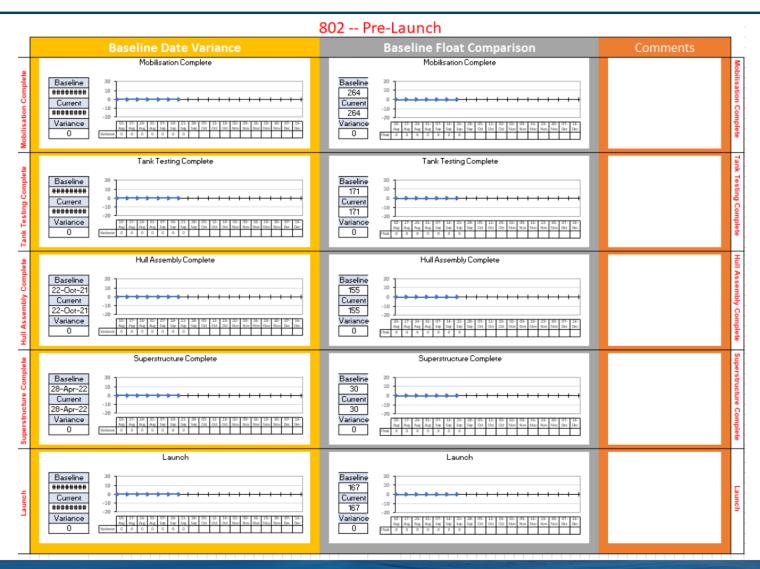
Forecast comments due – 613
Actual comments received from FMPG - 336



9b. Milestone Slip Chart (Ship 801)



9b. Milestone Slip Chart (Ship 802)



9c. Ship 801 Critical path

Activity ID	Activity Name	Activity% Pi	larmed Hrs Actual	Labor Rema	ining Start Hrs	Finish	BL Project Start	BL Project Finish	OD	RD Total Float	2021 2022
801DPTH00201	TOTAL III A C. Affaire P. de 201 e e i e		0		0 10-Aug-20*	35.5 30	0.001	75.5 20	- 15	-	Q3 Q4 Q1 Q2 Q3 Q4 Q1 \(\sum \text{Q2} \) \(\sum \text{Q3} \) \(\sum \text{Q4} \) \(\sum \text{Q1} \)
■ 801DPTHO0201 ■ 801DPTHO0202	\$2 0201 Hull Outfitting Detail Planning \$2 0202 Hull Outfitting Detail Planning	096	0	0	0 10-Aug-20 0 17-Δug-20	25-Sep-20 02-Oct-20	10-Aug-20 17-Aug-20	25-Sep-20 02-Oct-20	35 35	35 0	SZ 0202 Hell Outfitting Detail Planning
801DPTPW0201	SZ 0201 Pipe Detail Planning	0%	0	0		25-OCI-20		25-OCI-20	40	40 0	sz ozós Pelicitetting Decarparing
■ 801DPTPW0201 ■ 801MANH00201	SZ 0201 Hull Outfitting Manufacturing	096	0	0	0 31-Aug-20 0 31-Aug-20	23-Oct-20	51-Aug-20 31-Aug-20	23-Oct-20	40	40 0	S 0201 Hull Dutfitting Manufacturing
B01MANHO0201	SZ 0202 Hull Outfitting Manufacturing	0%	0	0	0 07-Sep-20	30-Oct-20	07-Sep-20	30-Oct-20	40	40 0	SZ 0202 Hull Outfitting Manufacturing
■ 801DPTHO0501	SZ 0301 Hull Outfitting Detail Planning	096	0	0	0 07-sep-20	25-OCI-20	07-sep-20	25-OCI-20	35	20 0	S 0502 Hullibutfitting betail Planning
■ 801DPTHO0301 ■ 801DPTHO0203	SZ 0203 Hull Outfitting Detail Planning	0%	0	0	0 07-sep-20 0 14-sep-20	05-Nov-20	14-Sep-20	05-Nov-20	39	39 0	SZ 0203 Hull Out fitting Detail Planning
B01DP1H00205	SZ 0201 Pipe Manufacturing	096	0	0	0 28-Sep-20	20-Nov-20	28-Sep-20	20-Nov-20	40	40 0	22 0201 Pipe Manufacturing
■ 801MANH00301	SZ 0301 Hull Outfitting Manufacturing	0%	0	0		20-Nov-20		20-Nov-20	40	40 0	52 0301 Hull Outfitting Manufacturing
		0%	0	0	0 28-Sep-20		28-Sep-20		40	40 0	SZ 0303 Hull Outritting Manufacturing
 801MANHO0203 801Pf50201Hw01 	SZ 0203 Hull Outfitting Manufacturing 202 Sub-Zone 201 - Fit Comportment Hotwork	0%		0	0 05-Oct-20 0 26-Oct-20	27-Nov-20 15-Jan-21	05-Oct-20 26-Oct-20	27-Nov-20 15-Jan-21	40	45 0	
		0%	2817							45 0	202 Sub-Zone 201 - Pit Compartment Hetwork 202 Sub-Zone 202 - Pit Compartment Hotwork
 801PfS0202Hw01 801PfS0203Hw04 	202 Sub-Zone 202 - Pit Compartment Hotwork SZ 0203 - Engine Room Exhaust Pan Seats STBD	0%	281/	0 .	817 26-Oct-20 245 02-Nov-20	15-Jan-21 20-Nov-20	26-Oct-20	15-Jan-21 20-Nov-20	45 15	45 U	5Z 020B - Engine Room Bilhaust Ran Seats STBD
				-			02-Nov-20				202 Sub-Zonel 203 - Fit Contigent High World
801Pf50203Hw01	202 Sub-Zone 203 - Fit Compartment Hotwork	0%	2817		817 02-Nov-20	15-Jan-21	02-Nov-20	15-Jan-21 29-Jan-21	40	40 0 39 0	
801MANPP0202	SZ 0202 Pipe Manufacturing	0%		0	0 17-Nov-20	29-Jan-21	17-Nov-20	29-Jan-21 11-Dec-20	39		SZ 0202 Pige Maguifacturing
801Pf50301Hw01	203 Sub-Zone 301 - Fit Compartment Hotwork	0.70	128	0	128 23-Nov-20	11-Dec-20	23-Nov-20	22 000 20	15	15 0	Z03 Sub-Zone 801 - Fit Compartment Hotwork
801Pf30203Hw02	Z02 Sub-Zone 203 - fit Steel/Pipe/HVAC/Elect Penetrations Mast Pwd Structure Pab & Quifit	0% 0%	0	0	0 30-Nov-20	22-Jan-21	30-Nov-20	22-Jan-21 26-Feb-21	25	25 0 45 0	Z0Z Sub-Zone 203- fit Steel/Pipe/HVAC/Clect Penetrations
801FaZ0100HW01			736	0	736 07-Dec-20*	26-Feb-21	07-Dec-20	20.0022	45		Mast Pwd Structuje Pab & Outfit
801Pf50302Hw01	203 Sub-Zone 302 - Fit Compartment Hotwork	0%	128	0	128 14-Dec-20	22-Jan-21	14-Dec-20	22-Jan-21	15	15 0	203 Sub-Zorie 302 - Fit Compartment Hotwork
801In50202Cr01	Z02 Sub Zone 202 - Install Cryogenic Pipework - 801 (Pipe Express)	0%	1674	0 :	674 14-Dec-20	05-Feb-21	14-Dec-20	05-Peb-21	25	25 0	ZOZ Sub Zone ZOZ - Install Chijogenić Pipework - 801 (Pipe Dupress)
801Pf50201Ah01	Z02 Sub-Zone 201 - Air / Hydro Test Remaining Tanks	0%	0	0	0 18-Jan-21	22-Jan-21	18-Jan-21	22-Jan-21	5	5 0	ZO2 Sub-Zorle 201 - Air / Hydro Test Relmaining Tanik
B01Pf50202Ah01	202 Sub-Zone 202 - Δir / Hydro Test Remaining Tanks	0%	0	0	0 18-Jan-21	22-Jan-21	18-Jan-21	22-Jan-21	5	5 0	202 Sub-Zone 202 - Air / Hydro Test Remaining Tanks
801Pf50203Ah01	Z02 Sub-zone 203 - Air / Hydro Test Remaining Tanks	0%	0	0	0 18-Jan-21	22-Jan-21	18-Jan-21	22-Jan-21	5	5 0	zoz sjub-zorje 205 - Air / frydro fest Remaining Tanija
B01Pf50201Qc01	202 Sub-Zone 201 - PFO Compartment Inspections	096	0	0	0 25-Jan-21	05-Feb-21	25-Jan-21	05-Feb-21	10	10 0	Z02 Sub-Zone 201 - PPD Compartment Inspections
■ 801Pf50202Qc01	202 Sub-Zone 202 - PFO Compartment Inspections	0%	0	0	0 25-Jan-21	05-Feb-21	25-Jan-21	05-Feb-21	10	10 0	Z02 Sub-žone 202 - PFD Compartment Inspections
■ 801Pf50203Q;01	Z0Z Sub-Zone 203 - PFO Compartment Inspections	096	0	0	0 25-Jan-21	05-Feb-21	25-Jan-21	05-reb-21	10	10 0	Z02 Sub-Zone 203 - PPD Compartment inspections
 801Pf50303Hw01 	Z03 Sub-Zone 303 - Fit Compartment Hotwork	0%	128	0	128 25-Jan-21	12-Feb-21	25-Jan-21	12-Feb-21	15	15 0	Z03 Sub-Zone 303 - Rt Compartment Hotwork
B01Pf502015b01	Z02 Sub-Zone 201 - Shotblast and Paint Tanks/Void Spaces	096	0	0	0 08-Feb-21	05-Mar-21	08-Feb-21	05-Mar-21	20	20 0	Z02 Sub-Zone 201 - Shotblast and Raint Tanks,/Void Spages
 801PfS02025b01 	Z02 Sub-Zone 202 - Shotblast and Paint Tanks/Void Spaces	096	0	0	0 08-Feb-21	05-Mar-21	08-Feb-21	05-Mar-21	20	20 0	Z02 Sub-Zone 202 - Shotblest and Paint Tanks/Vold Spages
801Pf502035b01	Z02 Sub-Zone 203 - Shotblast and Paint Tanks/Void Spaces	096	0	0	0 08-Feb-21	05-Mar-21	08-Feb-21	05-Mar-21	20	20 0	ZOŽ Sub-Zone 2d3 - Shotblast and Paint Tanks/Void Spages
B01/n50202Pi01	Z02 Sub Zone 202 - Install Pipework (2464) and Hangers	096	5976	0 !	976 08-Feb-21	23-Jun-21	08-Feb-21	23-Jun-21	95	95 0	202 Súb Zone 202 - Install Pipework (2464) and Hangers
 801PfS0304Hw01 	Z03 Sub-Zone 304 - Fit Compartment Hotwork	096	128	0	128 15-Feb-21	05-Mar-21	15-Feb-21	05-Mar-21	15	15 0	ZOB Sub-Zone 304 - Fit Compartment Hotwork
801FaZ0100HW04	Mast Pwd Brect, Fair and Weld	096	397	0	397 01-Mar-21	19-Mar-21	01-Mar-21	19-Mar-21	15	15 0	Mast Pwd Erect, Fair and Weld
801Pf50201In01	Z02 Sub-Zone 201 - Insulate Compartments	0%	0	0	0 08-Mar-21	26-Mar-21	08-Mar-21	26-Mar 21	15	15 0	202 Sub-Zone 201 - Insulate Compartments
801PfS0202In01	Z02 Sub-Zone 202 - Insulate Compartments	096	0	0	0 08-Mar-21	26-Mar-21	08-Mar-21	26-Mar-21	15	15 0	Z02 Sub-Zone 202- Insulate Compartments
801Pf50203In01	Z02 Sub-Zone 203 - Insulate Compartments	0%	0	0	0 08-Mar-21	26-Mar-21	08-Mar-21	26-Mar-21	15	15 0	202 Sub-Zone 203; Insulate Compartments
 801Pf30305Hw01 	Z03 Sub-Zone 305 - Fit Compartment Hotwork	0%	128	0	128 08-Mar-21	26-Mar-21	06-Mar-21	26-Mar-21	15	15 0	203 Sub-Zoope 303 - Fit Compartment Hotwork
 801PfS1001Hw01 	Z10 Sub-Zone 1001 - Fit Compartment Hotwork	0%	896	0	896 22-Mar-21	06-Apr-21	22-Mar-21	06-Apr-21	10	10 0	71D Sub-Zone 1D01 - Fit Compartment Hotwork
801Pf50201El01	Z02 Sub-Zone 201 - Fit Cable Tray	096	0	0	0 29-Mar-21	13-Apr-21	29-Mar-21	13-Apr-21	10	10 0	ZD2 Sub-Zone 201 - Pt Cable Tray
 801Pf30202El01 	Z02 Sub-Zone 202 - Fit Cable Tray	0%	0	0	0 29-Mar-21	13-Apr-21	29-Mar-21	13-Apr-21	10	10 0	zpz sub-zone boz - rft Cable Tray
801Pf50203El01	Z02 Sub-Zone 203 - Fit Cable Tray	096	0	0	0 29-Mar-21	13-Apr-21	29-Mar-21	13-Apr-21	10	10 0	ZD2 Sub-Zone 203 - Fit Cable Tray
B01PfS0306Hw01	203 Sub-Zone 306 - Fit Compartment Hotwork	096	128	0	128 29-Mar-21	20-Apr-21	29-Mar-21	20-Apr-21	15	15 0	203 Sub-Zone 305-Fit Compartment Hotwork
 801Pf51001Hw02 	Z10 Sub-Zone 1001 - Fit Steel/Pipe/ HVAC/Elect Penetrations	096	0	0	0 07-Apr-21	15-Apr-21	07-Apr-21	15-Apr-21	7	7 0	
 801Pf50201Ms01 	Z02 Sub-Zone 201 - PFO Complete	0%	0	0	0	13-Apr-21		13-Apr-21	О	0 0	◆ ZD2 Sub-Zone 201 - PFO Complete;
■ 801Pf50202Ms01	202 Sub-Zone 202 - PFO Complete	096	0	0	0	13-Apr-21		13-Apr-21	а	0 0	◆ ZD2 Sub-Zone 202 - RFO Complete;
■ 801Pf50203Ms01	Z02 Sub-Zone 203 - PFO Complete	096	0	0	0	13-Apr-21		13-Apr-21	а	0 0	◆ ZD2 Sub-Zone 203 - PFO Complete;
 801in50201Eq01 	Z02 Sub Zone 201 - Install Steel/Joi/Mech/Eng Equipment	096	0	0	0 14-Apr-21	23-Jun-21	14-Apr-21	23-Jun-21	50	50 0	Z02 Sub Zone 201 - Install Steel/Joi/Mech/Eng Equipment
■ 801/n50202Eq01	202 Sub Zone 202 - Install Steel/Joi/Mech/Eng Equipment	096	1152	0 :	152 14-Apr-21	07-Jul-21	14-Apr-21	07-Jul-21	60	60 0	202 Sub Zone 202 - Install Stelet/Joi/Mech/Eng Equipm
■ 801InS0203Eq01	Z02 Sub Zone 203 - Install Steel/Jol/Mech/Eng Equipment	096	1152	0 :	152 14-Apr-21	07-Jul-21	14-Apr-21	07-Jul-21	60	60 0	Z02 Sub Zone 203 - Install Streel/Jol/Mech/Eng Equipm
■ 801Pf51001Qc01	Z10 Sub-Zone 1001 - PFO Compartment Inspections	096	0	0	0 16-Apr-21	21-Apr-21	16-Apr-21	21-Apr-21	4	4 0	210 Syb-Zone 1002 - PFO Compartment Inspections
 801Pf50307Hw01 	203 Sub-Zone 307 - Fit Compartment Hotwork	096	128	0	128 21-Apr-21	12-May-21	21-Apr-21	12-May-21	15	15 0	ZØ3 Sub-Zone 307 - Fit Compartment Hotwork
 801PfS1001Sb01 	Z10 Sub-Zone 1001 - Shotblast and Paint Compartments	0%	0	0	0 22-Apr-21	30-Apr-21	22-Apr-21	30-Apr-21	7	7 0	Z10 Sub-Zone 1001 - Shotblast and Paint Compartments
■ 801/nS0201El01	Z02 Sub Zone 201 - Install Electrical Equipment	0%	0	0	0 28-Apr-21	19-May-21	28-Apr-21	19-May-21	15	15 0	202 Sub Zone 201 - Install Electrical Equipment
= 801/n50202El01	202 Sub Zone 202 - Install Electrical Equipment	0%	0	0	0 28-Apr-21	19-May-21	28-Apr-21	19-May-21	15	15 0	zoz Sub Zone 202 - Install Electrical Equipment
801In50203El01	Z02 Sub Zone 203 - Install Electrical Equipment	0%	0	0	0 28-Apr-21	19-May-21	28-Apr-21	19-May-21	15	15 0	zoz Sub Zone 203 - Install Electrical Equipment
801Pf51001In01	Z10 Sub-Zone 1001 - Blumarine Pin and Insulate Compartments	0%	0	0	0 04-May-21	17-May-21	04-May-21	17-May-21	10	10 0	Z10 Sub-Zonei 1001 - Blumarine PIn and Insulate Compartntents
B01Pf50308Hw01	Z03 Sub-Zone 308 - Fit Compartment Hotwork	0%	128	0	128 13-May-21	02-Jun-21	13-May-21	02-Jun-21	15	15 0	Z03 Sub-Zone 308 - fit Compartment Hotwork
B01Pf51001Ei01	Z10 Sub-Zone 1001 - Fit Cable Tray	0%	0	0	0 18-May-21	21-May-21	18-May-21	21-May-21	4	4 0	Z10 Sub-Zone 1001 - Ft Cable Tray
801Pf51002In01	210 Sub-Zone 1002 - Blumarine Pin and Insulate Compartments	0%	0	0	0 18-May-21	31-May-21	18-May-21	31-May-21	10	10 0	Z10Sub-Zone 1002 - Blomarine Pin and Insulate Compactment
B01/n50201El02	Z02 Sub Zone 201 - Reeve Local and Lighting Cables	0%	0	0	0 20-May-21	09-Jun-21	20-May-21	09-Jun-21	15	15 0	Zd2 Sub Zone Zb1 - Reeve Logal and Lighting Califes
B01in50202El02	Z02 Sub Zone 202 - Reeve Local and Lighting Cables	0%	0	0	0 20-May-21	09-Jun-21	20-May-21	09-Jun-21	15	15 0	Z02 Sub Zone 202 - Réeve Lotal and Lighting Caldies
= 801/n50202El02 = 801/n50203El02	202 Sub Zone 203 - Reeve Local and Lighting Cables 202 Sub Zone 203 - Reeve Local and Lighting Cables	0%	0	0	0 20-May-21 0 20-May-21	09-Jun-21 09-Jun-21	20-May-21 20-May-21	09-Jun-21 09-Jun-21	15	15 0	ZQZ Sub Zone Zb3 - Reeve Local and Lighting Cables Zd2 Sub Zone Zb3 - Reeve Local and Lighting Cables
					U ZU-may-21	ONFORM 21	20-may-21	OWNERST	13	42 0	

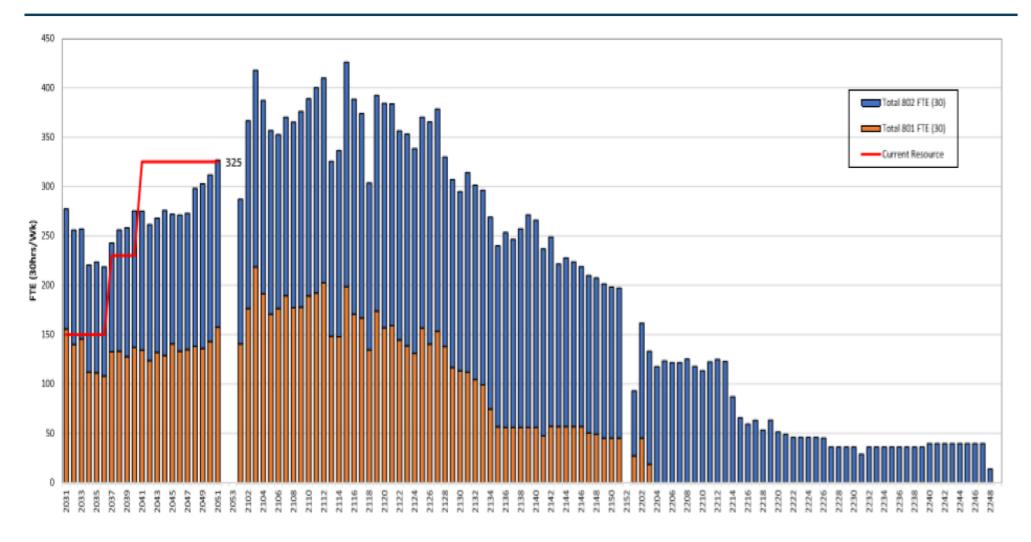


9c. Ship 802 Critical path

# Adivity ID	Activity Name	Activity %	Planned Hrs Actua	Labor	Remaining Start	Finish	BL Project	BL Project	00	RD Total	Float				2021		2022		
- Jamy S		Complete	70.0	Units	Hrs Sait		Start	Finish	0.0	700	Q3	Q4	-	1 Q2	2021	Q4 Q1		Q3	Q4
1 = 802INZ0200Pi01	Install Cryogenic Pipework - Zone 2	096	0	0	0 18-Jan-21*	19-Mar-21	18-Jan-21	19-Mar-21	45	45	0		-		ryogenic Pipework		1 1 1		
2 8 02INZ0300PI05	Install Cryogenic Pipework - Zone 3	0%	0	0	0 22-Mar-21	02-Jun-21	22-Mar-21	02-Jun-21	50	50	0				Irlatal Crybgelic	Pipework Zone 3			1 1 7
3 802MAUA105Hw01	Unit A10/5 Prep Pull Unit	0%	168	0	168 21-May-21*	11-Jun-21	21-May-21	10-Jun-21	16	16	0				unit A10/5 Pre				1 1 7
4 = 802INZ0300PI01	Install Pipework (1770) and Hangers - Zone 3	0%	7718	0	7718 03-Jun-21	24-Nov-21	03-Jun-21	24-Nov-21	124	124	0	1 1				Install Pipev	vork (1770) jan	d'Hangers -	Záne 3
5 B02MAUA106Hw01	Unit A10/6 Prep Full Unit	0%	151	0	151 21-Jun-21*	02-Jul-21	21-Jun-21	02-Jul-21	10	10	0				Unit A10/68		1. 1 .1		
6 = 802FaUA105Hw01	Unit A10/5 Fab Fab-T Frames, Minor Sub-Assys and Pillars	O%	195	0	195 21-Jun-21	09-Jul-21	18-Jun-21	08-Jul-21	15	15	÷			++		Fab Rab-T Frames	Minor Sub-Ass	vs and Pilar	
7 802F8UA105HW02	Unit A10/5 Fab Bhds Under 6 Deck	0%	125	0	125 05-Jul-21	16-Jul-21	02-Jul-21	15-Jul-21	10	10	- 0					Fab Bhds Under 6			
8 = 802FaUA106Hw01	Unit A10/6 Fab Rab-T Frames, Minor Sub-Assys and Pillars	0%	165	0	165 12-Jul-21	30-Jul-21	12-Jul-21	30-Jul-21	15	15	0			1 1 1		/ 6 Fab Rab-T Frame		Assystander	mers I
9 = 802FaUA105Hw04											9					10/5 Fab 6 Deck Ple		177	Til
10 = 802FaUA105HW04	Unit A10/5 Fab 6 Deck Plating Unit A10/6 Fab 7 Deck Plating	0% 0%	275 225	0	275 19-Jul-21 225 03-Aug-21	16-Aug-21 30-Aug-21	16-Jul-21 03-Aug-21	13-Aug-21 30-Aug-21	20	20	0					A10/6 Fab 7 Deck3			1 1 1
				0												AB/6 Preg PullsUnit		÷	
11 = 802MAUA086Hw01 12 = 802ASUA105Hw01	Unit A8/6 Prep Full Unit	096 096	244 162		244 09-Aug-21*	30-Aug-21	09-Aug-21	27-Aug-21	16	16	- 0	1 1 1		1 1 1		t A10/5 Uhit Absen			1 1 1
	Unit A10/5 Unit Assembly + Dry Survey			0	162 17-Aug-21	06-Sep-21	16-Aug-21	03-Sep-21	15	15	- 0					It A9/6 Prép Full Un		7 1 1	
	Unit A9/6 Prep Pull Unit	0%	166	0	166 30-Aug-21*	10-Sep-21	30-Aug-21	10-Sep-21	10	10	0	1 1		1 1 1		Init A10/6 Unit Ass			1 1 1
14 = 802ASUA106Hw01	Unit A10/6 Unit Assembly + Dry Survey	0%	146	0		20-Sep-21	31-Aug-21	20-Sep-21	15	15	- 0 :					et:Up:Unit:10/5 on!		vey .	1 1 7
15 = 802ASB0010Hw01	Set Up Unit 10/5 on Blocks	0%	296	0	296 07-Sep-21	20-Sep-21	06-Sep-21	17-Sep-21	10	10	0					Unit AB/6 Fab Bab-T		4-4-4-	
16 = 802F8UA086Hw01	Unit AB/6 Fab Fab-T Frames, Minor Sub-Assys and Pillars	096	300	0	300 07-Sep-21	27-Sep-21	06-Sep-21	24-Sep-21	15	15	0					Unit A9/6 Fab Fab			
17 8 02F8UA096HW01	Unit A9/6 Fab Fab-T Frames, Minor Sub-Assys and Pillars	0%	225	0	225 20-Sep-21	11-Oct-21	20-Sep-21	08-Oct-21	16	16	0				-				pandPila
18 802ASB0010Hw02	Erect Pair and Weld Unit 10/6 to Block	0%	688	0	688 21-Sep-21	18-Oct-21	21-Sep-21	18-Oct-21	20	20	0					Erect fair and W		BIOCK	
19 = 802FaUA086Hw04	Unit AB/6 Pab 7 Deck Plating	0%	435	0	435 28-Sep-21	25-Oct-21	27-Sep-21	22-Oct-21	20	20	0					Unit A\$/6 Fab 7			
20 B02FaUA095Hw04	Unit A9/6 Pab 7 Deck Plating	0%	275	0	275 12-Oct-21	08-Nov-21	11-Oct-21	05-Nov-21	20	20	0			<u> </u>		unit A9/6 Fab			
21 = 802PFB0010Hw01	Outfit Wheelhouse Block Assembly	096	0	0	0 19-Oct-21	26-Jan-22	19-Oct-21	26-Jan-22	65	65	0						efit Wheelhous		ambly:
22 6 802A5UA086HW01	Unit A8/6 Unit Assembly + Dry Survey	0%	235	0	255 26-Oct-21	15-Nov-21	25-Oct-21	12-Nov-21	15	15	0			1 1 1		Unit AB/6U			
23 S 802A11610	Aft Mast (Steel) Erect. Fair and Weld	0%	282	0	282 08-Nov-21*	29-Nov-21	08-Nov-21	26-Nov-21	16	16	1	1 1 1		1 1 1		At Mast (steél) Elect, Fai	rjandjweld	
24 = 802ASUA096Hw01	Unit A9/6 Unit Assembly + Dry Survey	0%	160	0	160 09-Nov-21	29-Nov-21	08-Nov-21	26-Nov-21	15	15	0					Unit AB/6)	Unit Assembly	+Dry Survey	e
25 = 802PFUA086Hw01	Unit AB/6 Outfit Window	096	0	0	0 16-Nov-21	29-Nov-21	15-Nov-21	26-Nov-21	10	10	0					Unit AB/60	Outfit Window	1 1 1	
26 = 802A11620	Aft Mast (Alu) Erect, Pair and Weld	096	282	0	282 22-Nov-21*	10-Dec-21	22-Nov-21	10-Dec-21	15	15	4			++	····	Aft Mast	(Allu) Erect, Par	rand Weld	
27 S 02NZ0500P102	Install MTP Pipes - Zone 5	0%	1063	0	1063 25-NOV-21	21-Jan-22	25-Nov-21	21-Jan-22	35	35	- 1						all MTRPiots		
802ERUA086Hw01		0%	669	0						26	0	1 1		1 1 1			AB/6 Erect, Fei		
	Unit AB/6 Erect, Pair and Weld				669 30-Nov-21	13-Jan-22	29-Nov-21	11-Jan-22	26		- 0						5 Outfit Windo		
- 0021107020111102	Unit A9/6 Outfit Window	0%	0	0	0 30-Nov-21	13-Dec-21	29-Nov-21	10-Dec-21	10	10	0						it AB/6 Erect. F		
	Unit A9/6 Erect, Reir and Weld	0%	669	0	669 14-Dec-21	26-Jan-22	13-Dec-21	25-Jan-22	25	25	0						ect Bair and We		
	Erect Pair and Weld Unit 10/7 to Block	0%	319	0	319 21-Dec-21	26-Jan-22	21-Dec-21	26-Jan-22	20	20	0					Ere			
32 8 02INZ0500PI05	Final Bolt Out Pipes - Zone 3	096	1274	0	1274 24-Jan-22	08-Mar-22	24-Jan-22	04-Mar-22	32	52	0						Final Bolt Ou		
33 = 802ERB0010Hw01	Wheelhouse Block Erect, Pair and Weld	0%	1082	0	1082 27-Jan-22	02-Mar-22	27-Jan-22	02-Mar-22	25	25	0					-	wheelhouse		
34 SOZERUA097HW09	Unit A9/7 Erect, Pair and Weld	0%	522	0	522 10-Feb-22	16-Mar-22	10-Feb-22	16-Mar-22	25	25	0			1 1 1			Unit A9/71		
35 BO2INZO300PIO4	Pipe Testing - Zone 3	096	1274	0	1274 09-Mar-22	22-Apr-22	07-Mar-22	19-Apr-22	31	31	0						Pipe T		
36 B02ERUA087Hw01	Unit A8/7 Erect, Rair and Weld	096	618	0	618 10-Mar-22	13-Apr-22	10-Mar-22	13-Apr-22	25	25	0						Unit A8		
37 - 802ERUA77HW01	Unit A7/7 Erect, Fair and Weld	096	490	0	490 24-Mar-22	04-May-22	24-Mar-22	28-Apr-22	27	27	0	111		1 1 1				A7/7 Erekt,	
38 8 02INZ0300001Z	Outfit Complete - Zone 3	0%	0	0	0	22-Apr-22		19-Apr-22	0	0	0							complete -	
39 6 802A6470	Commission Auxiliary Systems	0%	0	0	0 25-Apr-22	06-Jun-22	20-Apr-22	01-Jun-22	30	30	0	1 1		1 1 1				qomimission	n Auxiliary!
60 B02Δ4910	Launch	096	0	0	0 04-May-22*		28-Apr-22		0	0	1			1 1 1			♣ Laur	nch, Ois-May	y-22*
61 - B02KM003	802 Superstructure Complete	096	0	0	0	04-May-22		28-Apr-22	0	0	0			7 7 7			♠ 802	Superstructi	rum Compl
42 SOZA4920	First Run Harbour and Emergency Genenerator	0%	0	0	0 06-Jun-22	11-Jun-22	01-Jun-22	06-Jun-22		5	0			1 1 1				First Run Ho	rarbout ani
43 B02A4930	First Run Auxiliary Generator	0%	0	0	0 11-Jun-22	23-Jun-22	06-Jun-22	18-Jun-22	12	12	0							Phist Run	Aprilaryo
64 S02A4940	Main Engine Commissioning	0%	0	0	0 23-Jun-22	07-Jul-22	18-Jun-22	02-Jul-22	14	14	0							Main Er	
45 8 02A4970	Gearbox Commissioning	0%	0	0	0 07-Jul-22	21-Jul-22	02-Jul-22	16-Jul-22	14	14	0								rbak Commi
46 B02A4950	Gearbox Commissioning CPP Set Up	0%	0	0	0 08-Jul-22	18-Jul-22	02-Jul-22 04-Jul-22	18-Jul-22 12-Jul-22			-				(CPP Se	
47 B02A4950	Propulsion Controls	96	0	0	0 08-Jul-22 0 08-Jul-22	21-Jul-22	04-Jul-22 04-Jul-22	15-Jul-22	10	10	2								ulsion Conti
			0	_					10		0							■ PTD/	
	PTO/PTI	0%	0	0	0 21-Jul-22	25-Jul-22	16-Jul-22	20-Jul-22	4	4	0								cediTest
	Load Test	0%	0	0	0 26-Jul-22	16-Aug-22	21-Jul-22	11-Aug-22	21	21	0								RMS Set U
60 B02A5000	PMS Set Up	0%	0	0	0 16-Aug-22	06-Sep-22	11-Aug-22	01-5ep-22	21	21	0								
51 8 02A5010	Bow Thruster Commissioning	0%	0	0	0 06-Sep-22	11-Sep-22	01-Sep-22	06-Sep-22	5	5	0								
52 8 02A5020	Dock Trial	0%	0	0	0 14-5ep-22	15-5ep-22	09-5ep-22	10-5ep-22	1	1	0							1 1 1	DockTri
53 8 02A5050	Dry-Dock	0%	0	0	0 17-Sep-22	27-Sep-22	12-5ep-22	22-Sep-22	10	10	0							1 1 1	Dig-D
54 8 02A6500	MESTrial	0%	0	0	0 27-Sep-22	27-5ep-22	22-5ep-22	22-5ep-22	1	1	0								E MEST
55 802A10677	Inclining Exercise	0%	0	0	0 27-Sep-22	28-Sep-22	22-Sep-22	23-Sep-22	1	1	0								g Inclinin
56 8 02A5040	Builder Sea Trials	096	0	0	0 28-Sep-22	02-Oct-22	23-Sep-22	27-Sep-22	4	4	0			TTT				TTT	Buks
57 802A5050	Owners Sea Trials	0%	0	0	0 02-Oct-22	05-Oct-22	27-5ep-22	30-Sep-22	3	3	0								dwn
58 8 802A5070	Defect Clearance	0%	0	0	0 05-Oct-22	19-Oct-22	30-Sep-22	14-Oct-22	14	14	0								■ De
59 802A5080	LNG Tank Commissioning	0%	0	0	0 19-Oct-22	31-Oct-22	14-Oct-22	26-Oct-22	12	12	0			1 1 1					u U
60 B02A5100	LNG DockTrial	0%	0	0	0 01-Nov-22	06-Nov-22	27-Oct-22	01-Nov-22	- 46	5	0			1 1 1					17.7
001545100			0	0							-			·					
	LNG Sea Trial	096	0	0	0 07-Nov-22	10-Nov-22	02-Nov-22	05-Nov-22	3	3	0		1 1	1 1 1				1 1 1	
62 802A5120	Delivery	096	0	0	0	14-Nov-22*		08-Nov-22	0	0	0	1 1		1 1 1			1 1 1	1 1 1	



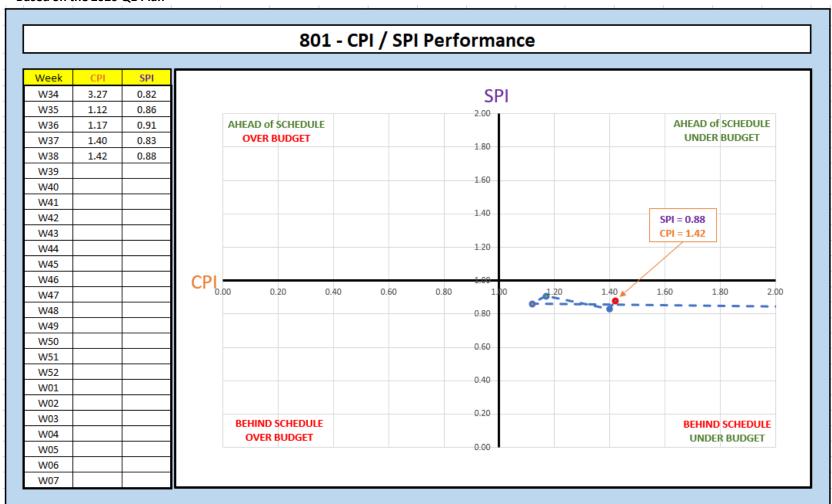




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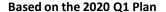


Based on the 2020 Q1 Plan

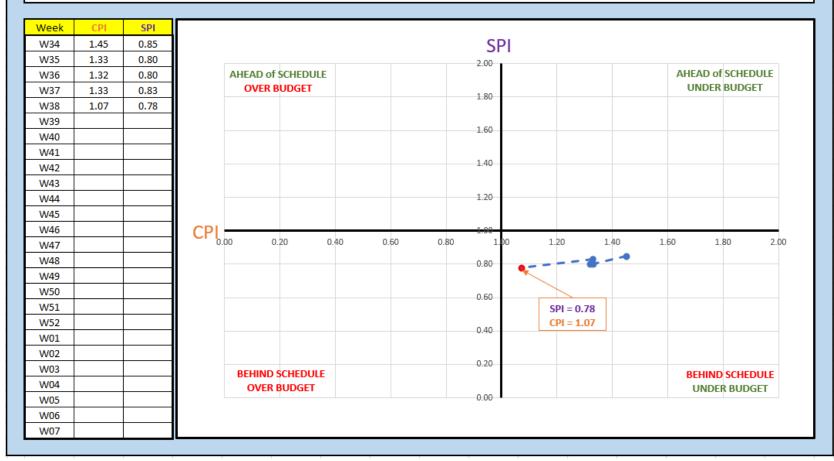


12. SPI & CPI Trends





802 - CPI / SPI Performance



13. Sub-contractor Status

Subcontractor	Scope of Work	Forecast contract date	Status
[redacted]	Electrical design and commissioning	August - DONE	Contract executed 27 th August 2020 and POs issued for equipment and commissioning of both 801 & 802. [redacted] cabinets at redacted for condition survey. 801 switchboard survey report now available.
[redacted]	Accommodation outfit	September - DONE	Contract executed 9 th September and POs issued. Programme dates for manufacturing and installation shared and aligned.
[redacted]	HVAC	September - WIP	Currently in final negotiations and a novated contract is expected to be signed in September
[redacted]	Power and Propulsion Equipment	September - WIP	Currently in final negotiations and a novated contract is expected to be signed in September. Additional long leadtime equipment to be ordered. Travel restrictions are impacting the required survey of the condition of equipment.
[redacted	Pipe manufacture	September - DONE	3 providers selected from 10 bids. Contract award issued and published on PCS on 14/09. All 3 suppliers are mobilsed to support volume profile. 35 pipe spools from first subzone 0201 are now at [redacted] for price and delivery confirmation. Next subzone volume to be split across supply base.
[redacted	Cable installation and termination	November - WIP	6 bids were submitted on [reducted] by deadline of 15/09. Tender evaluation pack to be issued to team 22/09. Contract delivery not expected until Nov.

14. Risks – Top 10

								-		-	_			-	5.1.6			
	Risk Category	Risk identified	Risk Description	Controls in Place	Current Impact		Current Risk Score	Change to Risk	Action Planned	Targ et	Targe t	Target Risk Score	Chan ge to	Target Date	Risk Owner	Date Last Updated	Date Last Reviewed	Change explanation
w	4	by:	i i	v v	-	T T		Scorir *			Like *		Ris *	-		, opulied	THE THE ITEM	· ·
	Desired			e maintain the onsite social distancing	50	5	250		monitor situation and enforce policies	50	5	050			[redacted	Jul-20		
88	Project	[redacted]	onging effect may impact the yard or its suppliers	policies	50	5	250			90	9	250						
		[redacted]	Materials has been stored offsite	New facility opened, equipment					1. relocate all offiste materials to a new						[redacted	30-Oct	Sep-20	A full stock take has been completed and a small
				d relocated and stock check and pyhsical n condition established. Stock to be					storage facility 2. undertake a stock take						Įręuacięu			amount of rectification work has been required. Inventory now requires to be loaded onto Factory
86	Supply Chain		and level of stock is uncertain and		50	5	250		undertake a stock take improve store location capability	50	3	150						aster
			may result in material stock write						,									
37			downs Late delivery of 801/802	Risks associated with late delivery are					Include a time allowance for						[redacted	Sep-19	Sep-20	Programmes are being re-baselined to take
31			Late delivery of 60 1/602	captured elsewhere in the risk register					programme slippage						lioddolod	Зер-18	3ep-20	account of the COVID impact
				with planned controls.														
	Project	CMAL			50	5	250			50	3	150						
38		ļ	D	Diele en einterd with late levels en					Include time allowance for						[radaatad	C 10	C 20	Programmes are being re-baselined to take
38			Programme launch date of 802 not met	Risks associated with late launch are captured elsewhere in the risk register		_			Include time allowance for programme slippage (same as late						[redacted	Sep-19	Sep-20	account of the COVID impact
	Project	CMAL	The state of the s	with planned controls.	50	5	250		delivery)	50	3	150						
85			Production resource labour rates	Resource plans from revised					review allowance against market						fredacted		Sep-20	wage negotiations are curently underway. A
	Production	[redacted]	are below industry sector and	programme, together with yard plan	50	5	250		rates	50	3	150	▼		[i dadoida			contract for the supply of subcontract labour has
<u></u>			may require an increase to be						Include allowance for ptential				\Box					now been let.
14			The level of rework is not sufficiently scoped. Known	As part of the re-baselining, OOR's, 200 series drawings and other sources												Sep-19	Jul-20	a change control process has been implemented. OOR's have been incorproated into the model.
			rework is not fully scoped.	of information have been reviewed,														CN's and 200 series have been included in the
			Unknown rework will occur	costed and added to the programme.											[redacted			programme. A number of changes have now been raised.
			particularly during the test and commissioning phase	Future rework will be controlled by a more robust engineering change					 Completion of re-baseline evaluation Updated and improved change control 						Ireducted			
	Project	[redacted]	process of the second	process	50	5	250		process	25	5	125						
									Allow additional time in the									
									commissioning programme									
27				Ongoing meetings and dialogue to									\vdash	Impacted		Mar-20	Sep-20	This has now been resolved with [redacted]ow
-			A commercial decision is not	resolve concerns					Ongoing meetings and discussions -					,	[redacted			contracted to undertake the work with fre
	Supply Chain	[redacted]	reached with Konsberg to allow electrical work to progress to the		25	5	125		Agreement in place that [redacted] will	25	5	125						contracted to complete the design
			plan						support build and completion									
				N													0 00	Mark and an arrange for order
22			Workpackaging arrangements are not robust enough to control	No workpackaging arrangement currently in place		_			Introduce a process for workpackaging				_		[redacted		Sep-20	Work package arangements for volume outfit are now close to delivering information into production
	Project	[redacted]	properly the work sequence and	on the same of the	50	5	250		Improve the organisation to deliver	50	2	100	▼					
16			capturing performance	there is a limited on inment					the new process				\vdash		F	-		
10			Equipment may not work during the setting to work and	there is a limited equipment maintainance package for all equipment					appoint a commissioning manager review maintenance requirements						[redacted			
	Commissioning	[redacted]	commissioning phase as a result	with the exception of anti condensation	25	4	100		Wartsila to inspect and provide a	25	4	100						l
			of being idle for a significant	heating and main engine supplier					service proposal (COVID impacted)									
46			length of time Vessel cannot meet contract	maintenance Lightship weight continues to grow					Continue to limit weight growth				\vdash			Oct-19	Jul-20	21/7/20 - Risk remains. Lighterweight materials
"	Technical	CMAL	deadweight	,	50	5	250		wherever possible and practical	25	4	100			[radacted]			selected from [redacted] - Weight report due.
	· Core moul	CHI I				·			Commercial impact subject to the		, i				[redacted]			
\Box		L	I						contract provisions								L	l

[redacted]

16. Weight



No change to weight in past month

Lightship History		Rev	v 18			Re	v 19			Rev	/20		Rev 21				
-	Weight	Lever	Lever	Lever	Weight	Lever	Lever	Lever	Weight	Lever	Lever	Lever	Weight	Lever	Lever	Lever	
		@AP.	@Centre	@BL	_	@AP.	@Centre	@BL	-	@AP.	@Centre	@BL		@AP.	@Centre	@BL	
	(tonnes)	(m)	(m)	(m)	(tonnes)	(m)	(m)	(m)	(tonnes)	(m)	(m)	(m)	(tonnes)	(m)	(m)	(m)	
Group 2-1 Hull Steel	1543.5	48.21	-0.02	5.76	1543.5	48.21	-0.02	5.76	1543.5	48.21	-0.02	5.76	1543.5	48.21	-0.02	5.76	
Group 2-2 Misc. Steel	143.1	39.97	-0.23	5.60	142.0	39.73	-0.23	5.48	142.0	39.69	-0.23	5.46	141.8	39.69	-0.23	5.46	
Group 2 Permanent Ballast	0.0	0.00	0.00	0.00	0.0	0.00	0.00	0.00	0.0	0.00	0.00	0.00	0.0	0.00	0.00	0.00	
Steel Margin	0.0	0.00	0.00	0.00	0.0	0.00	0.00	0.00	0.0	0.00	0.00	0.00	0.0	0.00	0.00	0.00	
Total Steel	1686.7	47.52	-0.04	5.75	1685.6	47.50	-0.04	5.74	1685.6	47.50	-0.04	5.74	1685.4	47.50	-0.04	5.74	
Group 2-3 \$/\$ Aluminium	177.4	56.91	-0.20	16.76	177.4	56.91	-0.20	16.76	177.4	56.91	-0.20	16.76	177.4	56.91	-0.20	16.76	
Aluminium Margin	0.0	0.00	0.00	0.00	0.0	0.00	0.00	0.00	0.0	0.00	0.00	0.00	0.0	0.00	0.00	0.00	
Total S/S Aluminium	177.4	56.91	-0.20	16.76	177.4	56.91	-0.20	16.76	177.4	56.91	-0.20	16.76	177.4	56.91	-0.20	16.76	
Group 2-4 Paint	31.9	48.69	-0.04	6.81	33.2	48.73	-0.04	6.76	33.2	48.73	-0.04	6.76	33.2	48.73	-0.04	6.76	
Total Paint		48.69	-0.04	6.81	33.2	48.73	-0.04	6.76	33.2	48.73	-0.04	6.76	33.2	48.73	-0.04	6.76	
Group 3 Cargo Equipment	185.9	54.02	-0.16	9.59	185.9	54.02	-0.16	9.59	185.9	54.02	-0.16	9.59	185.9	54.02	-0.16	9.59	
Group 4 Ship Equipment	182.3	55.55	-0.01	7.85	183.1	55.30	-0.01	7.84	183.1	55.30	-0.01	7.84	183.1	55.30	-0.01	7.84	
Group 5 Equipment for Crew & Pax	561.0	53.92	0.36	13.13	562.4	53.88	0.35	13.10	564.7	53.90	0.35	13.10	564.7	53.90	0.35	13.10	
Total Outfit	929.2	54.26	0.18	11.39	931.4	54.19	0.18	11.37	933.8	54.20	0.18	11.37	933.8	54.20	0.18	11.37	
Group 6 Main Machinery	295.4	28.53	0.08	3.06	295.4	28.53	0.08	3.06	295.4	28.53	0.08	3.06	295.4	28.53	0.08	3.06	
Group 7 Machinery Systems	181.9	32.81	-0.98	4.88	181.1	32.58	-0.96	4.82	178.8	32.70	-0.97	4.85	178.8	32.70	-0.97	4.85	
Group 8 Ships Common Systems	248.2	44.77	0.17	6.81	250.4	44.48	0.17	6.76	248.5	44.58	0.18	6.78	248.5	44.58	0.18	6.78	
Total Machinery & Electrical	725.6	35.16	-0.15	4.80	727.0	35.03	-0.15	4.77	722.7	35.08	-0.14	4.78	722.7	35.08	-0.14	4.78	
Lightship	3550.6	47.24	-0.01	7.59	3554.5	47.18	-0.01	7.58	3552.6	47.21	-0.01	7.58	3552.4	47.21	-0.01	7.58	
Margin	3.7	47.24	-0.01	7.59	-0.1	47.18	-0.01	7.58	1.8	47.21	-0.01	7.58	2.0	47.21	-0.01	7.58	
Lightship with margin		47.24	-0.01	7.74	3554.4	47.18	-0.01	7.73	3554.4	47.21	-0.01	7.73	3554.4	47.21	-0.01	7.73	
Ducktail weight (802)		-3.20	0.00	4.75	13.0	-3.20	0.00	4.75	13.0	-3.20	0.00	4.75	13.0	-3.20	0.00	4.75	
Major changes	General update				Winch bollard				General updat				Fwd mast updated according to fabrication drawing				
	External chairs				Fwd Mast wei		is per drawing		Equipment rei	_	p 7 & 8						
	Forward mast		er scantling dra	wings	Certainties re				Deck covering	s reviewed							
	Ducktail updat				Pipe weight re												
	LNG pipe weigh		- And		Adjusted pain	t weight for la	test Jotun spec										
	Equipment fou	indations upd	ated														
Notes re Margin on VCG		Marg	gin on VCG (m)	0.150		Marg	gin on VCG (m)	0.150		Marg	gin on VCG (m)	0.150		Mai	rgin on VCG (m)	0.150	
		Margin in S	Summary page	3.7	Margin in Summary page			-0.1		Margin in S	Summary page	1.8		Margin in	Summary page	2.0	
			Total margin	3.7	Total margin			-0.1			Total margin	1.8			Total margin	2.0	
			Total margin	0.10%			Total margin	0.00%		Total margin 0.05%					Total margin	0.06%	
	Disp	lacement at 3	3.45m draught	4433	Dis	placement at 3	3.45m draught	4433	Displacement at 3.45m draught 4433			4433	Displacement at 3.45m draught			4433.0	
			ct deadweight	900			ct deadweight	900		Contract deadweight 900				900.0			
			weight change	-21.35			weight change ghtship weight	-21.35			weight change	-21.35			dweight change lightship weight	-21.35	
	Maximum lightship weight 3554.35							3554.35		Maximum lig	ghtship weight	3554.35		3554.4			