

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

Programme Director: [redacted]

Review Period: August 2020

<u>Name</u>	Job Title	<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	207,591			
	(provided by Planning Department)					
02	Man Power	Direct	212			
	(provided by HR)	In-Direct	119			
		Total	331			
03	RIDDORS	0		0		
04	Fatality Case (Fatal)	0	0			
05	Lost Working day Case (LWC)	1	1			
06	Medical Treatment Case (MTC)	2	2			
07	First Aid Case (FAC)	6	6			
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	18			
13	Total Number of Days Lost	10		16		

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

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	Design and Build	Forecast Finish	801 April 2021 – 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 made Performance penalty for speed - the maximum allowance of £250k per vessel has been made 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 wi hin 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 iden ified in Factory Master to the appropriate level	May 20	[redacted]	Movement of equipment from [reducted] to new facility and entered onto [redacted] with appropriate part numbering	COVID 19 lockdown has stopped this work and will now impact the overall programme	R	^
Technical information is produced on time and change is minimised	Sept 20	[redacted]	[reducted] are contracted to complete the design. Design review process allows proper review of the design before issue	Zone review process enacted and supported by Client. Number of ICRs slowly reducing and backlog being cleared.	Y	\leftrightarrow
Technical information is produced on time 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 fredac production outputs, to be implemented his month as part of workpack creation.	Y	\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 opportuni ies	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 with suitably qualified and experienced people	April 20	[redacted	Accurate resource forecasting from the schedule and a resource strategy in place	The ITT for labour resource has been completed and formal notification of successful bidders will be during w/c 24/8	G	\leftrightarrow

4. SOFT Report



	<u> </u>
Successes	Opportunities
 Home working has continued during this period with programme and process development continuing. The yard continues to operate with 3 days shifts and a night shift. This is approx. 130 production staff. Amenities are being upgraded to allow an increase of numbers to a full return. 801 was successfully docked on 10th August and work has successfully proceeded to plan. The hull paint condition is in a good state and therefore a key concern has been removed. The model programme was halted for 3 weeks to allow the FMPG team to focus on approval of production outputs, this has now recommenced with QL 3 for zone 5. Zone 7 has now achieved design freeze. Production outputs are now being received in numbers from leaders and the checking process is underway. Equipment checking is now fully up and running and no major issues have been identified todate. An updated draft report on cost and programme was delivered to SG on 7th August with the final report issued on the 21st. 4 detailed planners have started within the period in readiness for the increase in production. 	 Use of a 1st fixing system – this is now agreed and work is in hand to set up for this. A cost benefit of using 1st fixing on 802 below 3 deck is in hand. Use of MRP function in [redacted] for pipe procurement and installation A review of passenger and crew outfit specification has identified good opportunities to save weight. A change to the deck screed material and lining material could save circa 10 tonnes. – This has now been formalised into the design Improvements of engine room layout for 802 is being reviewed, however, currently there is a threat to the 802 programme if this is progressed. Relocation of the heat exchanger has been agreed. A review of the overall planning process and enablers has been undertaken with a number of recommendations to be considered for implementation. There is an opportunity to detail plan hotwork early in zone 2 from the current programme
Failures	Threats
	 COVID 19 impact to programme— New delivery dates have been submitted on the 7th which account for the status at that time Assessment of equipment condition from Westway. A limited check of a number of items in the store has been undertaken on an opportunity basis. No major issues have yet been identified during the checking Issued for approval IFA drawings are now being received for zone 2. The large volume will be a problem to support. We have had a delay in key deliverables for piping in zone 2 from indicated we are reviewing how this delay will be mitigated. Assessment of pipework tenders has qualified only a small number of acceptable potential suppliers and their may not be the capacity to deliver the required quantities. There are only 3 tenderers are now on the framework agreement and they should be adequate to support 801. Initial meetings are being held with each supplier. A further ITT is being prepared for further suppliers to go onto a new framework There is potentially a number of secondary structure deficiencies that will cause rework. This is currently being reviewed at ship and a validation with indicate in being considered.

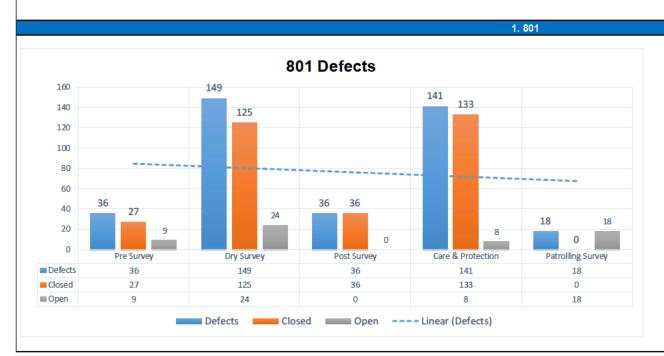
Impact Statement / Help Needed

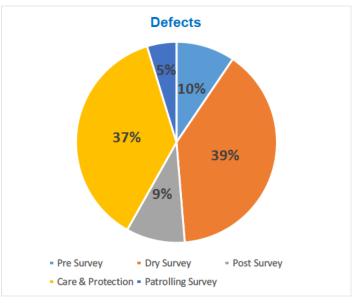
5. Quality

1. Current Periods Defect Update

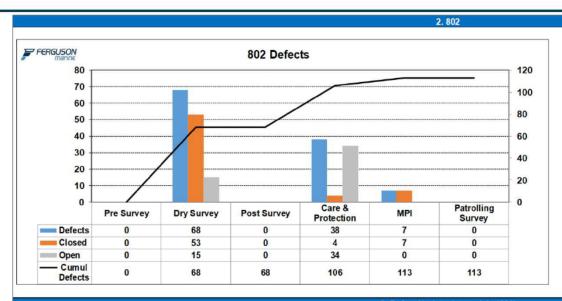
Please see below details of monthly report highlighting the following:

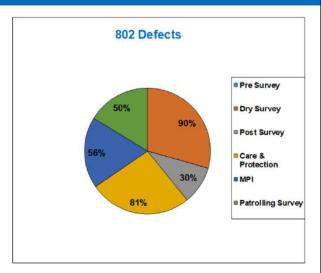
- From the 144 defects still open on 801 from last month we have managed to bring this down to 84 which is still being worked through with CMAL. We have since added 26 additional defects 25 of these being the panama eyes.
- 802 report has not changed since last month, we will hopefully begin eliminating these defects once we work through all survey sheets.
- From last months report we have since totally cleared/removed defects from the register which were no longer required therefore effected our numbers for the month for example machinery which has since been took off 801.

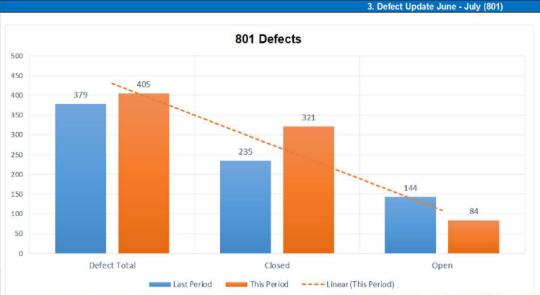


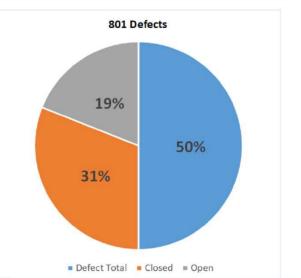


5. Quality









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5. Quality



Business process mapping landing pages and internal training nearing completion and in finals stages before being rolled out

QA Manager appointment made and will join the business in September

QC Trainees currently offsite competing UT/ MPI & Dye Pen training courses

Dimensional control processed and techniques being benchmarked against industry and specialist contractor onboard to support this activity going forward

Inventory checking week 5 now underway and great progress being made. We are well through this activity with major vendor equipment now visually examined and sorted to support the plan. RIR (receipt inspection reports) completed and passed equipment loaded into Good inwards and ready for upload to our MRP system for call off as work packs in line with project plan

Function testing of equipment and components completed to de risk equipment, preventative maintenance activities underway

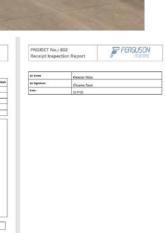
Electrically actuated Vvs and Pumps completed as part of checking and remedials.

- Wet module WC installed, and pipework pressure tested
- Cabin Tv s PAT tested.









6. Traffic Light Report

		Overall	Status		Future	Return t	to Green	
Criteria	May 20	Jun 20	Jul 20	Aug 20	Trend	Date	Status	Comments
Overall Status	R	R	R	Ø	\leftrightarrow			• A re-baselined programme was issued as draft on 7 th August and formally issued on the 21 st .
Safety	G	G	G	G				Safety reporting has recommenced.
Quality	R	R	R	A	\leftrightarrow	Oct		Work to assess the condition of the equipment is now in full flow. Only minor damage to an 802 rudder has been identified todate.
Customer Satisfaction	G	G	G	G				
Schedule	R	R	R	G	\leftrightarrow			A revised programme was issued as draft on 7 th August and formally issued on the 21 st .
Finance	G	G	G	G	\leftrightarrow			The re-baseline has maintained the previous forecast at completion.
Technical	A	А	Α	A	1	Sept	А	 The model review programme was paused for 3 weeks to allow FMPG and Product to focus on production outputs. The reviews have now recommenced. Product are late on the issue of zone 2 pipework outputs. FMPG are looking to recover some of this delay.
Subcontractor	A	A	A	A	†	Nov	G	The status remains amber as the pipework ITT did not identify enough suppliers to support the total programme and a further ITT is being prepared.
Resources	G	А	A	А	\leftrightarrow			 A tender has been issued for the provision of production labour. This has been delayed and will not be concluded until August. Individual resource requirement for a commissioning manager and sub contract manager are not supporting the programme although actions are in hand to resolve. 4 detailed planners have now joined the planning team.
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.

7. KPIs / Balanced Scorecard



Proposed KPI's Moving Forward

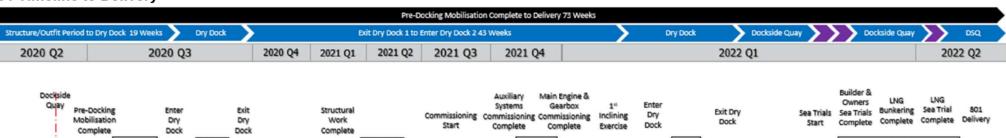
- 1 Health and Safety
- 1.1 Lost Working Day Cases
- 2 Quality
- 2.1 Defects
- 3 Programme Overview
- 3.1 SPI
- 3.2 CPI
- 4 Schedule
- 4.1 Completed Output Packs Engineering
- 4.2 Completed Milestones Manufacture
- 4.3 Completed Milestones Production
- 4.4 Overall Project % Complete
- 5 Respource / Manpower
- 5.1 Resource Profile (FTEs)
- 5.2 Labour Hours In Period
- 5.3 Labour Hours Cumulative
- 5.4 Labour Hours Attended vs Booked
- 6 Procurement
- 6.1 On Time Delivery

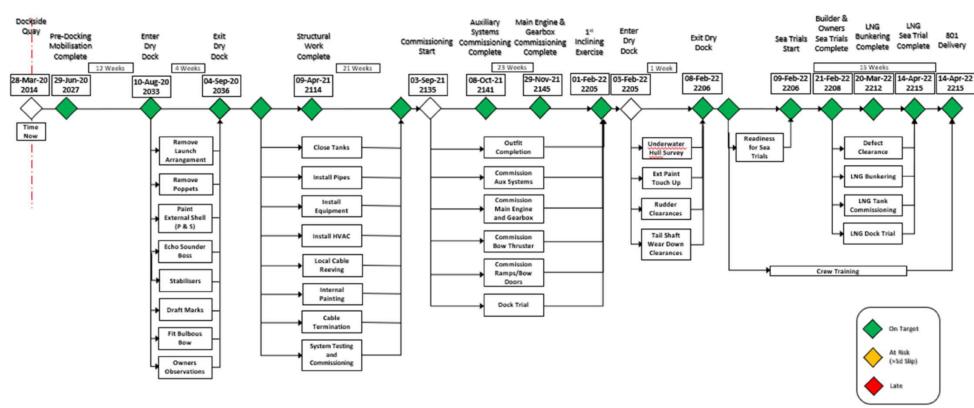
This sheet will also provide a summary of Overall Manhours – Budget / Actual / Remaining / Out-turn Overall Financial Summary

The QLA for Q42020 is being set now - "real measures" will be in place next month

8. Schedule Overview (1)

801 Timeline to Delivery

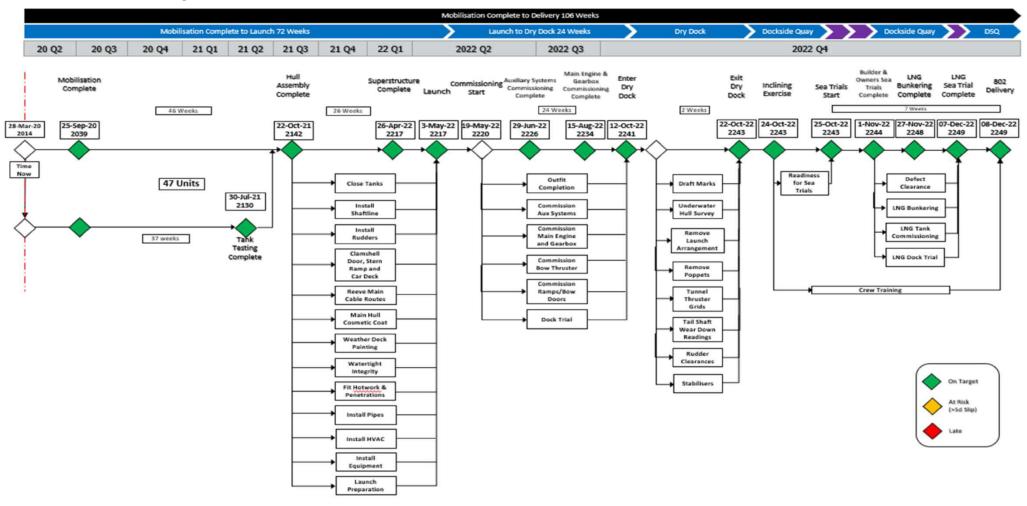




CDP has 3 weeks time contingency included compared to our Driving Project Plan

9. Schedule Overview (2)

802 Timeline to Delivery



9. Schedule Overview (3)

[redacted]

Programme



				3D Model			Pro	duction Outp	ets	801			801		
Zone		Start	302 Review	602 Review	902 Review	Freeze	Start	Finish	Slippage (Veeks)		Outfit Hotwork Baseline Start	Slippage (Veeks)	Outfit Pipework Baseline Start	Slippage (Veeks)	Connents
Zone 01	Planed	18-May-20		19-Jun-20	31-Jel-20	21-Aug-20		16-Oct-20			18-Jan-21		28-Jan-21		
	Acteal/ Forecast	26-Jun-20		26-Jen-20	28-Aug-20	18-Sep-20		06-Nov-20	-3		08-Feb-21	-3	18-Feb-21	-3	
Zone 02	Planed	02-Mar-20		27-Mar-20	30-Apr-20	22-May-20		17-Jul-20			26-Oct-20		08-Dec-20		
	Actual/ Forecast	27-Mar-20		30-Mar-20	15-Jun-20	03-Jul-20		18-Sep-20	-9		02-Not-20	ar.	07-Dec-20	0	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	Planed	09-Mar-20		10-Apr-20	22-May-20	12-Jun-20		07-Aug-20			23-Not-20		26-Nov-20		
	Acteal/ Forecast	10-Apr-20		13-Apr-20	25-May-20	10-Jul-20		25-Sep-20	7		03-Not-20	2	11-Nov-20	2	Regarding WZ03 - [Fedacted Review for Zone 03 - QL3 was held on 18.05.2020. ICE conclusion with respect to maturity of design / 3-D Model is that 3-D Model overall progress is around 80% (multidisciplinary) and not all the disciplines achieved the 90% target: *Structural - 85%; *Arch. Outfitting - 90%; *Hull Outfitting - 15%; *Electrical - 90%; *Piping - 70%; *HVAC - 90%. @W22: On 27.05.2020, FM accepted 3 weeks delay for WZ03.
Zone 04	Planed	30-Mar-20		24-Apr-20	05-Jen-20	26-Jen-20		14-Aug-20			23-Nov-20		03-Dec-20		
	Actual/ Forecast	24-Apr-20		27-Apr-20	15-Jun-20	03-Jel-20		18-Sep-20	-5		23-Nov-20	0	03-Dec-20	0	
Zone 05	Planed	06-Apr-20	08-May-20	12-Jen-20	17-Jel-20	07-Aug-20		25-Sep-20			11-Jan-21		22-Jan-21		
	Actual/ Forecast	08-May-20	11-May-20	19-Jen-20	14-Aug-20	04-Sep-20		30-Oct-20	-5		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	Planed	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-Jul-20	24-Jul-20		02-Oct-20	-4		15-Feb-21	340	19-Feb-21	-1	WZ slippage due to FMPG requested break in programme to allow extra time to clear ICR's.
Zone 07	Planed	16-Mar-20	16-Apr-20	29-May-20	10-Jul-20	31-Jul-20		25-Sep-20			01-Mar-21		21-Sep-20		
	Actual/ Forecast	16-Apr-20	21-Apr-20	09-Jen-20	17-Jel-20	07-Aug-20		02-Oct-20	7		15-Feb-21	2	28-Sep-20	-4	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-Jen-20	26-Jes-20	21-Aug-20	25-Sep-20	16-Oct-20		11-Dec-20	-5		06-May-21	-2	26-May-21	-2	WZ slippage due to FMPG requested break in programme to allow extra time to clear ICR's.
Zone 09	Planed	09-Jen-20	03-Jel-20	07-Aug-20	11-Sep-20	02-Oct-20		20-Nov-20			08-Mar-21		18-Mar-21		
	Actual/ Forecast	10-Jel-20	17-Aug-20	04-Sep-20	09-Oct-20	30-Oct-20		18-Dec-20	4		22-Mar-21	-2	01-Apr-21	-2	WZ slippage due to FMPG requested break in programme to allow extra time to clear ICR's.
Zone 10	Planed	27-Apr-20	29-May-20	10-Jel-20	21-Aug-20	11-Sep-20		06-Nov-20			22-Mar-21		16-Apr-21		
	Actual/ Forecast	05-Jen-20	09-Jes-20	17-Jul-20	18-Sep-20	09-Oct-20		04-Dec-20	-4		29-Mar-21	-1	23-Apr-21	-1	WZ slippage due to FMPG requested break in programme to allow extra time to clear ICR's.
Zone 11	Planed	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	17-Aug-20	11-Sep-20	02-Oct-20		27-Nov-20	-4		01-Mar-21	-5	29-Mar-21	-5	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 - ZO1	Oct-20
Z02	Latest AFC Drawings Issued - ZO2	Sep-20
Z03	Latest AFC Drawings Issued - Z03	Oct-20
Z04	Latest AFC Drawings Issued - ZO4	Oct-20
Z05	Latest AFC Drawings Issued - ZO5	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

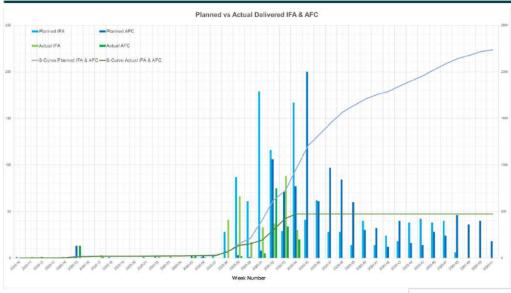
ZONE	MANUFACTURING COMMENCE	EARLY START DATE
Z01	Earliest Manufacture Commence - Z01	Nov-20
Z02	Earliest Manufacture Commence - Z02	Sep-20
Z03	Earliest Manufacture Commence - Z03	Sep-20
Z04	Earliest Manufacture Commence - Z04	Oct-20
Z05	Earliest Manufacture Commence - Z05	Nov-20
Z06	Earliest Manufacture 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

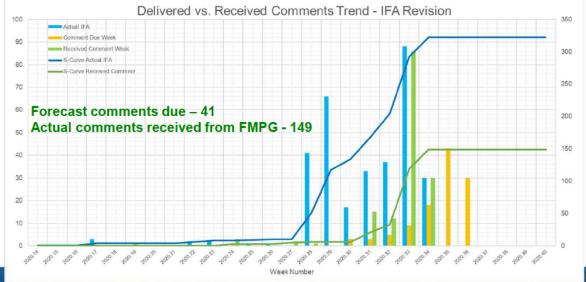
9a. FMPG Production Output Delivery Status





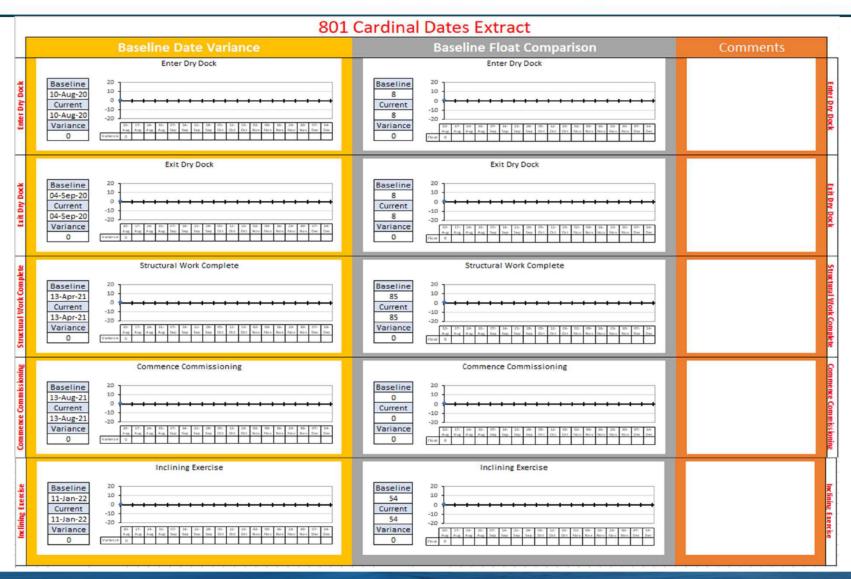
Forecast IFA & AFC – 965 Actual IFA & AFC – 474

The critical delivery of pipe sketches for zone 2 is forecast to complete for IFA w/c 24/08



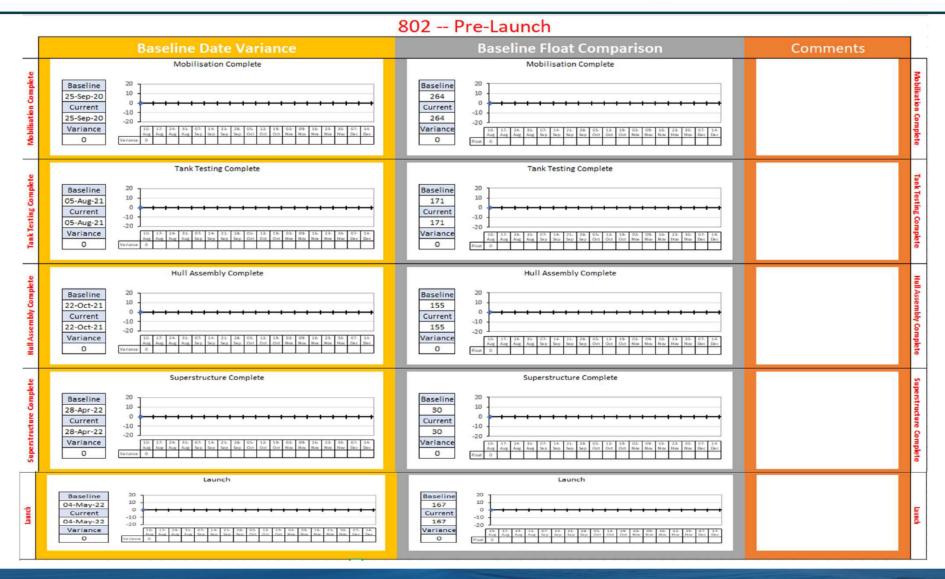


9b. Milestone Slip Chart (Ship 801)



9b. Milestone Slip Chart (Ship 802)





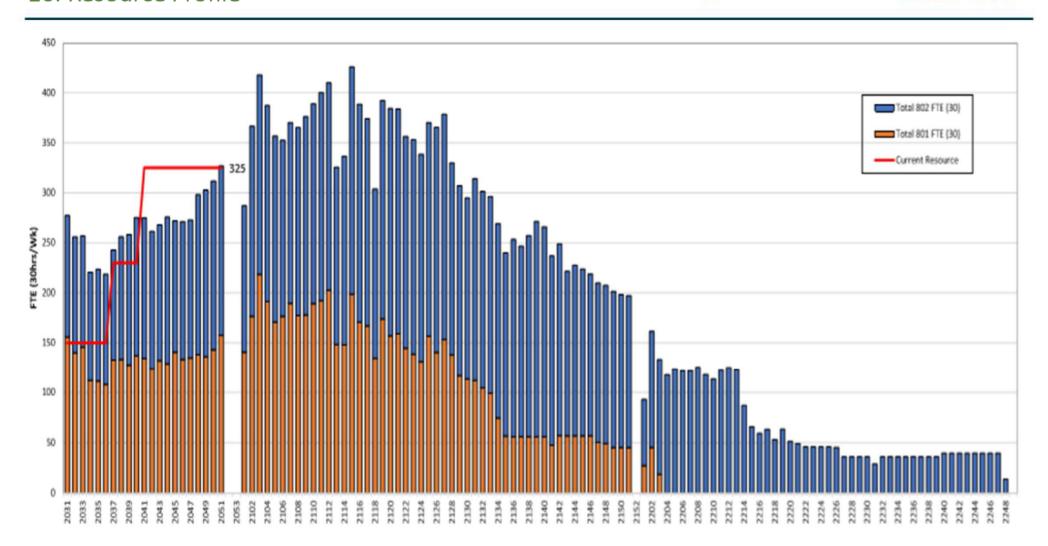
9c. Ship 801 Critical path

ctivity ID	Activity Name	Activity % P Complete	lanned Hrs Act.	al Labor Remaining	g Start	Finish	BL Project Sant	BL Project Finish	00	RD Total Float			-		2021		20	22
	I manage to the state of the st			0.140	3						Q3	Q4	Q1	Q2	Q3	Q4	Q1	_
801DPTHO0201	52 0201 Hull Outfitting Detail Planning	096 096	0		0 10-Aug-20*	25-Sep-20	10-Aug-20	25-Sep-20	35	35 0			Outfitting Detail Planning					
801DPTHO0202 801DPTPW0201	SZ 0202 Hull Outfitting Detail Planning SZ 0201 Pipe Detail Planning	0%	0		0 17-Aug-20	02-Oct-20 23-Oct-20	17-Aug-20	02-Oct-20 23-Oct-20	35 40	35 0 40 0			1 Pipe Detail Planning	6				1
801DPTPW0201 801MANHO0201	The state of the s	0%	0		0 31-Aug-20		31-Aug-20		40	40 0			11 Pipe Detail Planning 11 Hull Dutfitting Manufai			1 1 1		
801MANHO0201	52 0201 Hull Outfitting Manufacturing	0%	0		31-Aug-20	23-Oct-20	31-Aug-20	23-Oct-20	40	40 0			02 Hull Outfitting Manuf			1 1 1		
	52 0202 Hull Outfitting Manufacturing	0%			0 07-5ep-20	30-Oct-20	07-Sep-20	30-Oct-20					11 Hull Outfitting Distail Pl			}}		÷
801DPTHO0301	SZ 0301 Hull Outfitting Detail Planning	0%	0		0 07-Sep-20	23-Oct-20	07-Sep-20	23-Oct-20	35	35 0	- 1		203 Hull Out Itting Detail PL			1 1 1	1 1	
801DPTHO0203	SZ 0203 Hull Outfitting Detail Planning		0		0 14-Sep-20	05-Nov-20	14-Sep-20	05-Nov-20	39	39 0								
801MANPP0201	5Z 0201 Pipe Manufacturing	096	0		0 28-5ep-20	20-Nov-20	28-Sep-20	20-Nov-20	40		1		SZ 02011 Pipe Manufacturi		1 1 1	1 1 1	1 1	
801MANHO0301	52 0301 Hull Outfitting Manufacturing	0%	0		28-Sep-20	20-Nov-20	28-Sep-20	20-Nov-20	40	40 0	1		SZ 0305. Hull Outfitting M					i
801MANH00203	SZ 0203 Hull Outfitting Manufacturing	0%	0		0 05-Oct-20	27-Nov-20	05-Oct-20	27-Nov-20	40	40 0			52 0203 Hull Outfitting N			jj		.÷
801Pf50201Hw01	Z02 Sub-Zone 201 - Fit Compartment Hotwork	096	0		0 26-Oct-20	15-Jan-21	26-Oct-20	15-Jan-21	45	45 0				201 - Pit Compa		1 1 1	1 1	
801Pf50202Hw01	Z02 Sub-Zone 202 - Pft Compartment Hotwork	0%	2817		7 26-Oct-20	15-Jan-21	26-Oct-20	15-Jan-21	45	45 0			202 Sub-Zone 5Z 0208 - Engine Rdom Ex	202 - Fit Compar				i
801Pf50203Hw04	SZ 0203 - Engine Room Exhaust Pan Seats STBD	0%	245		5 02-Nov-20	20-Nov-20	02-Nov-20	20-Nov-20	15	15 0						1 1 1		
801PfS0203Hw01	Z02 Sub-Zone 203 - Fit Compartment Hotwork	096	2817		7 02-Nov-20	15-Jan-21	02-Nov-20	15-Jan-21	40	40 0			ZD2 Sub-Zone					
801MANPP0202	SZ 0202 Pipe Manufacturing	0%	0		0 17-Nov-20	29-Jan-21	17-Nov-20	29-Jan-21	39	39 0				e Magufacturin		jj		
801Pf50301Hw01	203 Sub-Zone 301 - Fit Compartment Hotwork	0%	128		B 23-Nov-20	11-Dec-20	23-Nov-20	11-Dec-20	15	15 0		1 1 5	Z03 Sub-Zone 201 - F			1 . 1 . 1		
801Pf50203Hw02	Z02 Sub-Zone 203 - Fit Steel/ Pipe/HVAC/Elect Penetrations	0%	0		0 30-Nov-20	22-Jan-21	30-Nov-20	22-Jan-21	25	25 0	1				Pipe/HVAC/Elect Pen	etrations		
801FaZ0100HW01	Mast Pwd Structure Fab & Outfit	0%	736		6 07-Dec-20*	26-Feb-21	07-Dec-20	26-Feb-21	45	45 0				Pwd Structure P		1 1 1		i
801Pf50302Hw01	Z03 Sub-Zone 302 - Fit Compartment Hotwork	0%	128		8 14-Dec-20	22-Jan-21	14-Dec-20	22-Jan-21	15	15 0		1 1			ertment Hotwork			i
801/n50202Cr01	Z02 Sub Zone 202 - Install Cryogenic Pipework - 801 (Pipe Express)	0%	1674		4 14-Dec-20	05-Feb-21	14-Dec-20	05-Feb-21	25	25 0					nyogenic Pipework		J	
801Pf50201Ah01	202 Sub-Zone 201 - Air / Hydro Test Remaining Tanks	0%	0		0 18-Jan-21	22-Jan-21	18-Jan-21	22-Jan-21	5	5 0					o Test Remaining Tar			i
801Pf50202Ah01	Z02 Sub-Zone 202 - Air / Hydro Test Remaining Tanks	096	0		0 18-Jan-21	22-Jan-21	18-Jan-21	22-Jan-21	5	5 0					o Test Remaining Tar			
801Pf50203Ah01	Z02 Sub-Zone 203 - Air / Hydro Test Remaining Tanks	0%	0		0 18-Jan-21	22-Jan-21	18-Jan-21	22-Jan-21	5	5 0					o fest Remaining Tar			
801Pf50201Qc01	Z02 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		1 1			ompartment Inspecti			
801Pf50202Qc01	Z02 Sub-Zone 202 - PFO Compartment Inspections	0%	0		0 25-Jan-21	05-Feb-21	25-Jan-21	05-Feb-21	10	10 0					ompartment Inspecti			
801Pf50203Qp01	Z02 Sub-Zone 203 - PFO Compartment Inspections	096	0		0 25-Jan-21	05-Feb-21	25-Jan-21	05-Feb-21	10	10 0	1	1 1			ompartment Inspecti		1 1	
801Pf50303Hw01	Z03 Sub-Zone 303 - Fit Compartment Hotwork	0%	128		8 25-Jan-21	12-Feb-21	25-Jan-21	12-Feb-21	15	15 0					ompartment Hotwork			1
801Pf502015b01	Z02 Sub-Zone 201 - Shotblast and Paint Tanks/Void Spaces	096	0		0 08-Feb-21	05-Mar-21	08-Feb-21	05-Mar-21	20	20 0	1	1 1			Shotblast and Paint To			1
801Pf502025b01	Z02 Sub-Zone 202 - Shotblast and Paint Tanks/Void Spaces	0%	0		08-Feb-21	05-Mar-21	08-Feb-21	05-Mar-21	20	20 0	1				Shotblast and Reint To		1 1	i
801Pf502035b01	Z02 Sub-Zone 203 - Shotblast and Paint Tanks/Void Spaces	096	0		08-Feb-21	05-Mar-21	08-Feb-21	05-Mar-21	20	20 0	j		202	Sub-Zone 203 -	Shotblast and Point To			.i
801/n50202Pi01	Z02 Sub Zone 202 - Install Pipework (2464) and Hangers	0%	5976	0 5976	6 08-Feb-21	23-Jun-21	08-Feb-21	23-Jun-21	95	95 0					Z02 S46 Zone 202	-Install Pipework	(2464) and Ha	arigen
801Pf50304Hw01	203 Sub-Zone 304 - Fit Compartment Hotwork	096	128	0 120	8 15-Feb-21	05-Mar-21	15-Feb-21	05-Mar-21	15	15 0	1	1 1	203	Sub-Zone 304 -	Fit Compartment Hot	work		1
801FaZ0100HW04	Mast Fwd Brect, Fair and Weld	0%	397	0 397	7 01-Mar-21	19-Mar-21	01-Mar-21	19-Mar-21	15	15 0			_	Mast Pwd Erect,	Fair and Weld			i
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 2	01:- Insulate Compart	thents		
801Pf50202In01	Z02 Sub-Zone 202 - Insulate Compartments	096	0	0 (08-Mar-21	26-Mar-21	08-Mar-21	26-Mar-21	15	15 0				202 Sub-Zone 2	02- Insulate Compart	ments		. j
801Pf50203In01	Z02 Sub-Zone 203 - Insulate Compartments	096	0	0 0	08-Mar-21	26-Mar-21	08-Mar-21	26-Mar-21	15	15 0				202 Sub-Zone 2	03 - Insulate Compan	thents		T
801Pf50305Hw01	203 Sub-Zone 305 - Fit Compartment Hotwork	.096	128	0 12	8 08-Mar-21	26-Mar-21	08-Mar-21	26-Mar-21	15	15 0		1 1		203 Sub-Zone 3	05:- Fit Compartment	Hotwork	1 1	
801PfS1001Hw01	Z10 Sub-Zone 1001 - Fit Compartment Hotwork	0%	896	0 896	5 22-Mar-21	06-Apr-21	22-Mar-21	06-Apr-21	10	10 0				Z10 Sub-Zon	1001 - Fit Compartn	ent Hotwork	1 1	
801Pf50201El01	Z02 Sub-Zone 201 - Fit Cable Tray	0%	0	0 (0 29-Mar-21	13-Apr-21	29-Mar-21	13-Apr-21	10	10 0	1	1 1		202 Sub-Zo	ne 201 - Fit Cable Tray		1 1	1
801Pf50202El01	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				Z02 Sub Z0	ne 202 - Fit Cable Tray			
801Pf50203El01	Z02 Sub-Zone 203 - Fit Cable Tray	0%	0	0 (29-Mar-21	13-Apr-21	29-Mar-21	13-Apr-21	10	10 0		1		ZD2 Sub-Zo	ne 203 - Pit Cablé Tray		7	1
801Pf50306Hw01	Z03 Sub-Zone 306 - Fit Compartment Hotwork	0%	128	0 121	8 29-Mar-21	20-Apr-21	29-Mar-21	20-Apr-21	15	15 0				203 545-2	one 306 - Fit Compart	ment Hotwork		
801PfS1001Hw02	Z10 Sub-Zone 1001 - Fit Steel/Pipe/ HVAC/Elect Penetrations	0%	0	0 (07-Apr-21	15-Apr-21	07-Apr-21	15-Apr-21	7	7 0	1	1 1		2105ub-Z0	ne 1001 - Fit Steel/Pic	HVAC/Elect Per	netrations	
801Pf50201Ms01	Z02 Sub-Zone 201 - PFO Complete	096	0		0	13-Apr-21		13-Apr-21	0	0 0		1 1			ne 201 - PFO Complet			i
801Pf50202Ms01	Z02 Sub-Zone 202 - PRO Complete	096	0	0 0	0	13-Apr-21		13-Apr-21	0	0 0	1			◆ 202 9ub-Zo	ne 202 - RFO Complet	6		
801Pf50203Ms01	Z02 Sub-Zone 203 - PFO Complete	0%	0	0 0	0	13-Apr-21		13-Apr-21	0	0 0		7		◆ 202 Sub-Zo	ne 203 - PFO Complet	6		1
801in50201Eq01	Z02 Sub Zone 201 - Install Steel/Joi/Mech/Eng Equipment	0%	0		0 14-Apr-21	23-Jun-21	14-Apr-21	23-Jun-21	50	50 0				_	Z02 Sub Zone 201	Install Steel/30i/1	Mech/Eng Eq	ukmi
801in50202Eq01	202 Sub Zone 202 - Install Steel/Joi/Mech/Eng Equipment	0%	1152		2 14-Apr-21	07-Jul-21	14-Apr-21	07-Jul-21	60	60 0				_	202 Sub Zone 2	d2 - Install Stelet/s	oi/Mech/Eng	Equip
801in50203Eq01	202 Sub Zone 203 - Install Steel/Joi/Mech/Eng Equipment	0%	1152		2 14-Apr-21	07-Jul-21	14-Apr-21	07-Jul-21	60	60 0				_		Q3 - Install Stele(/)		
801Pf51001Qc01	Z10 Sub-Zone 1001 - PPO Compartment Inspections	0%	0		0 16-Apr-21	21-Apr-21	16-Apr-21	21-Apr-21	4	4 0				1 Z109/b-7	one 1002- PFO Comp			1
801Pf50307Hw01	208 Sub-Zone 307 - Fit Compartment Hotwork	0%	128		8 21-Apr-21	12-May-21	21-Apr-21	12-May-21	15	15 0					ub-Zone 307 - Fit Com			+
801Pf510015b01	Z10 Sub-Zone 1001 - Shotblast and Paint Compartments	0%	0		0 22-Apr-21	30-Apr-21	22-Apr-21	30-Apr-21	7	7 0					Zone 1001 - Shotblar			i
801/150201El01	Z02 Sub Zone 201 - Install Electrical Equipment	0%	0		28-Apr-21	19-May-21	28-Apr-21	19-May-21	15	15 0					Sub Zone 201 - Install			1
801in50202El01	Z02 Sub Zone 202 - Install Electrical Equipment	0%	0		0 28-Apr-21	19-May-21	28-Apr-21	19-May-21	15	15 0					Sub Zone 202 - Install			1
801/n50203El01	202 Sub Zone 203 - Install Electrical Equipment	0%	0		0 28-Apr-21	19-May-21	28-Apr-21	19-May-21	15	15 0					Sub Zone 203 - Instal			1
801Pf51001In01	210 Sub-Zone 1001 - Blumarine Pin and Insulate Compartments	0%	0		0 04-May-21	17-May-21	04-May-21	17-May-21	10	10 0					Sub-Zone 1001 - Blun			
801Pf50308Hw01	203 Sub-Zone 308 - Fit Compartment Hotwork	0%	128		8 13-May-21	02-Jun-21	13-May-21	02-Jun-21	15	15 0					03 Sub-Zone 308 - Fit			1
801Pf50308HW01 801Pf51001Fi01		0%							15	4 0	1	1 1			Sub-Zone 1001- Ft 0		JAMOTK .	1
	Z10 Sub-Zone 1001 - Fit Cable Tray		0		0 18-May-21	21-May-21	18-May-21	21-May-21	4	- 0		1 1						ı
801Pf51002In01	Z10 Sub-Zone 1002 - Blumarine Pin and Insulate Compartments	0%	0		0 18-May-21	31-May-21	18-May-21	31-May-21	10	10 0	1	1 1			105ub-Zone 1002 - 8			acum
801/n50201El02	Z02 Sub Zone 201 - Reeve Local and Lighting Cables	0%	0		0 20-May-21	09-Jun-21	20-May-21	09-Jun-21	15	15 0					Zd2 Sub Zone 201 - R			4
801/n50202El02	Z02 Sub Zone 202 - Reeve Local and Lighting Cables	0%	0		0 20-May-21	09-Jun-21	20-May-21	09-Jun-21	15	15 0					ZQ2 Sub Zone 202 - R			i
801/n50203El02	Z02 Sub Zone 203 - Reeve Local and Lighting Cables	0%	0		0 20-May-21	09-Jun-21	20-May-21	09-Jun-21	15	15 0		1 1			zdz Sub żone 203 - R		nting Cables	÷
801Pf51001Ms01	Z10 Sub-Zone 1001 - PPO Complete	0%	0	0 0	0	21-May-21		21-May-21	0	0 0	1	: :		; ♥ 210	Sub-Zone 1001;- PFO	Complete,	1 1	

9c. Ship 802 Critical path

# Activity ID		Activity Name	Activity %	Planned Hrs	Actual Labor		Finish	BL Project Start	BL Project	00	RD Total FI	oet		2021 2022
			Complete		Units	Hrs		- Curr	Finish			Q3	Q4	
	NZ0200PI01	Install Cryogenic Pipework - Zone 2	0%	0	0		19-Mar-21	18-Jan-21	19-Mar-21	45	45	0		Install dyogenic Pipework - Zone 2
	NZ0300PI05	Install Cryogenic Pipework - Zone 3	0%	0	0	0 22-Mar-21	02-Jun-21	22-Mar-21	02-Jun-21	50	50	0	111	Iristal Cryogeric Pipework - Zone 3
	AAUA105Hw01	Unit A10/5 Prep Full Unit	0%	168	0	168 21-May-21*	11-Jun-21	21-May-21	10-Jun-21	16	16	0	1 1 1	unit A10/5 Prep full ynit
	NZ0300PI01	Install Pipework (1770) and Hangers - Zone 3	0%	7718	0		24-Nov-21	03-Jun-21	24-Nov-21	124	124	0	111	Install Pipelyork (1770) and Hangers - Zone \$
	MAUA106Hw01	Unit A10/6 Prep Full Unit	0%	151	0		02-Jul-21	21-Jun-21	02-Jul-21	10	10	0	111	■ Unit A10/6 Prép Full Unit
	3UA105Hw01	Unit A10/5 Fab Rab-T Frames, Minor Sub-Assys and Pillars	0%	195	0	195 21-Jun-21	09-Jul-21	18-Jun-21	08-Jul-21	15	15	0		Unit A10/5 Pab Reb-T Frames, Minor Sub-Assys and Pilers
	8UA105HW02	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	111	■ Unit A10/5 fab 8hds Under 6 Deck
8 a 802Fa	8UA106Hw01	Unit A10/6 Fab Rab-T Frames, Minor Sub-Assys and Pilars	0%	165	0	165 12-Jul-21	30-Jul-21	12-Jul-21	30-Jul-21	15	15	0	111	Unit A10/6 Fab Faib-T Frames, Minor Sub-Assys and Pillars
	JUA105Hw04	Unit A10/5 Fab 6 Deck Plating	096	275	0	275 19-Jul-21	16-Aug-21	16-Jul-21	13-Aug-21	20	20	0	111	Unit A10/5 Fab 6 Deck Plating
	8UA105Hw04	Unit A10/6 Fab 7 Deck Plating	0%	225	0	225 03-Aug-21	30-Aug-21	03-Aug-21	30-Aug-21	20	20	0		Unit A10/6 Faib 7 Deck Plating
	AAUA086HW01	Unit AB/6 Prep Pull Unit	096	244	0		30-Aug-21	09-Aug-21	27-Aug-21	16	16	0		Unit AB/6 Prep PullsUnit
12 - 802A5	SUA105Hw01	Unit A10/5 Unit Assembly + Dry Survey	096	162	0	162 17-Aug-21	06-Sep-21	16-Aug-21	03-Sep-21	15	15	0	111	Unit A10/5 Unit Assembly + Dry Survey
13 - 802M	/AUA096Hw01	Unit A9/6 Prep Pull Unit	0%	166	0		10-Sep-21	30-Aug-21	10-Sep-21	10	10	0	111	Unit A9/6 Prep Full Unit
14 - 802A5	SUA106HW01	Unit A10/6 Unit Assembly + Dry Survey	096	146	0		20-5ep-21	31-Aug-21	20-5ep-21	15	15	0	111	Unit A10/6 Unit Assembly + DrySurvey
-	SB0010Hw01	Set Up Unit 10/5 on Blocks	0%	296	0		20-Sep-21	06-Sep-21	17-5ep-21	10	10	0	111	Set:Up Unit:10/5 on Blocks
-	9UA086Hw01	Unit A8/6 Fab Fab-T Frames, Minor Sub-Assys and Pillars	096	300	0		27-Sep-21	06-Sep-21	24-Sep-21	15	15	0	****	Unit AB/6 (ab (ab-)) Frames, Minor/Sub-Assys and Pillars
	8UA095Hw01	Unit A9/6 Fab Fab-T Frames, Minor Sub-Assys and Pillars	096	225	0		11-Oct-21	20-Sep-21	08-Oct-21	15	16	0	111	Unit A9/6 Fab Fab-T frames, Minor Sub-Assystand Pills
- 002.0	SB0010Hw02	Erect Pair and Weld Unit 10/6 to Block	0%	688	0		18-Oct-21	21-Sep-21	18-Oct-21	20	20	0	111	Erect Pair and Weld Unit:10/6 to Block
	8UA086Hw04	Unit A8/6 Fab 7 Deck Plating	0%	435	0		25-Oct-21	27-Sep-21	22-Oct-21	20	20	0	111	Urit A\$/6 Fab 7 Deck Pleting
	8UA095HW04	Unit A9/6 Fab 7 Deck Plating	0%	275	0	-55 E0 30p E2	08-Nov-21	11-Oct-21	05-Nov-21	20	20	0	111	Unit A9/6 Fab 7 Deck Platting
	90A096HW04 FB0010HW01	Outfit Wheelhouse Block Assembly	0%	0	0		26-Jan-22	19-Oct-21	26-Jan-22	65	65	0	<u> </u>	Out it Wheel house Block Assembly
												0	111	Unit A8/6 Uhit Assembly+ Dhy Survey
	SUA086Hw01	Unit A8/6 Unit Assembly + Dry Survey	0%	235			15-Nov-21	25-Oct-21	12-Nov-21	15	15	0	111	Aft Mast (Steel) Eact, Fair and Weld
	11610	Aft Mast (Steel) Erect, Fair and Weld	096	282	0	282 08-Nov-21*	29-Nov-21	08-Nov-21	26-Nov-21	16	16	1	111	Unit AB/6 Unit Assembly + Dry Survey
	SUA096HW01	Unit A9/6 Unit Assembly + Dry Survey	0%	160	0		29-Nov-21	08-Nov-21	26-Nov-21	15	15	0	111	Unit AB/6 Dutfit Window
	FUA086Hw01	Unit A8/6 Outfit Window	0%	0	0		29-Nov-21	15-Nov-21	26-Nov-21	10	10	0	ļļļ.	
26 - 802A1		Aft Mast (Alu) Erect, Pair and Weld	096	282	0	200 20 1101 22	10-Dec-21	22-Nov-21	10-Dec-21	15	15	1	111	Aft Mast (Alp) Erect, Pair and Weld
	NZ0300PI02	Install MTP Pipes - Zone 3	0%	1063	0	1063 25-Nov-21	21-Jan-22	25-Nov-21	21-Jan-22	35	35	0	111	Install MTFPipes - Zone 3
	RUA086HW01	Unit AB/6 Erect, Pair and Weld	0%	669	0	669 30-Nov-21	13-Jan-22	29-Nov-21	11-Jan-22	26	26	0	111	Unit A8/6 Erect, Pair and Weld
	FUA096Hw01	Unit A9/6 Outfit Window	0%	0	0	0 30-Nov-21	13-Dec-21	29-Nov-21	10-Dec-21	10	10	0	111	☐ Unit A9/6 Oùtfit Window
	RUA096HW01	Unit A9/6 Erect, Pair and Weld	.0%	669	0	669 14-Dec-21	26-Jan-22	13-Dec-21	25-Jan-22	25	25	0	1	Unit A9/6 Erect, Rair and Weld
31 - 802A5	SB0010Hw03	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		Erect fair and Weld Unit 10/7 to Block
	NZ0300PI03	Final Bolt Out Pipes - Zone 3	096	1274	0	1274 24-Jan-22	08-Mar-22	24-Jan-22	04-Mar-22	32	32	0	111	final Bolt Out Pipes - Zone 3
33 - BOZER	RB0010Hw01	Wheelhouse Block Erect, Pair and Weld	096	1082	0	1082 27-Jan-22	02-Mar-22	27-Jan-22	02-Mar-22	25	25	0	111	Wheelhouse Block Erect, Fair and V
34 - 802ER	RUA097HW09	Unit A9/7 Erect, Rair and Weld	0%	522	0	522 10-Feb-22	16-Mar-22	10-Feb-22	16-Mar-22	25	25	0	111	Unit A9/7 Efect, Fair and Weld
	4Z0300PIO4	Pipe Testing - Zone 3	0%	1274	0		22-Apr-22	07-Mar-22	19-Apr-22	31	31	0	111	Pipe Testing - Zone 5
	RUA087Hw01	Unit AB/7 Erect, Rair and Weld	0%	618	0		13-Apr-22	10-Mar-22	13-Apr-22	25	25	0	mm	UnitA8/7 Erect, Pair and Wel
-	RUA77HW01	Unit A7/7 Erect, Pair and Weld	Q%	490	0		04-May-22	24-Mar-22	28-Apr-22	27	27	0	111	Unit A7/7 Erect, fair and v
	4Z0300001Z	Outfit Complete - Zone 3	0%	0	0		22-Apr-22	2111101122	19-Apr-22	0	0	0	111	◆ Outfit complete - Zone 3.
39 B02A6		Commission Auxiliary Systems	0%	0	0		06-Jun-22	20-Apr-22	01-Jun-22	30	30	0	111	Gommission Auxiliary
40 B02A4		Launch	D96	0	0		COTOTES	28-Apr-22	0270722	0	0	1	111	◆ Launch, Olf-May-22*
41 - 802KN		802 Superstructure Complete	0%	0		0	04-May-22	E0-Mp-EE	28-Apr-22	0	0		†**†**†	♦ 802 Superstructure Comp
42 = 802A4		First Run Harbour and Emergency Genenerator	0%	0	0	0 06-Jun-22	11-Jun-22	01-Jun-22	06-Jun-22	5	5	0	111	# First RuniHarbout an
43 BOZA		First Run Auxiliary Generator	0%	0	0		23-Jun-22	06-Jun-22	18-Jun-22	12	12	0		First Run Advillary C
44 8024		Main Engine Commissioning	0%	0	0		07-Jul-22	18-Jun-22	02-Jul-22	14	14	0	111	■ fýtairi Engine Com
45 B02A4		Main Engine Commissioning Gearbox Commissioning	0%	0	0		21-Jul-22	02-Jul-22	16-Jul-22	14	14	0	111	■ Gearbox Comm
46 BOZA4	20000		0%	0	0					14	7		4	CPP Set Up
40 802A4		CPP Set Up	0% 0%	-	0		18-Jul-22	04-Jul-22 04-Jul-22	12-Jul-22 15-Jul-22			3	111	■ Propulsion Cont
		Propulsion Controls		0		0 00 10 00	21-Jul-22			10	10	0	111	■ PTD/∲TI
		PTO/PTI	0%	0	0		25-Jul-22	16-Jul-22	20-Jul-22	4	4	0	111	LoabTest
		Load Test	0%	0	0	0 20 70 22	16-Aug-22	21-Jul-22	11-Aug-22	21	21	0	111	Coop Test PMS Set
50 - 802A5		PMS Set Up	0%	0	0		06-Sep-22	11-Aug-22	01-Sep-22	21	21	0	įįį	
51 - 802A5		Bow Thruster Commissioning	0%	0	0		11-5ep-22	01-5ep-22	06-Sep-22	5	5	0		# BowTh
52 - 802A5		DockTrial	0%	0	0		15-Sep-22	09-Sep-22	10-5ep-22	1	1	0	111	I Dock?
53 802A 5		Dry-Dock	0%	0	0		27-Sep-22	12-Sep-22	22-Sep-22	10	10	0	111	■ D6-0
54 802A6	6500	MESTrial	0%	0	0	0 27-Sep-22	27-Sep-22	22-5ep-22	22-5ep-22	1	1	0		€ MES1
55 - 802A1	10677	Inclining Exercise	0%	0	0	0 27-Sep-22	28-5ep-22	22-Sep-22	23-5ep-22	1	1	0	L.L.	f Inglini
56 - 802A5	5040	Builder Sea Trials	096	0	0		02-Oct-22	23-5ep-22	27-Sep-22	4	4	0		§ Build
57 - 802A5	5050	Owners Sea Trials	096	0	0	0 02-00-22	05-Oct-22	27-Sep-22	30-5ep-22	3	3	0) Qwr
58 - 802A5		Defect Clearance	0%	0	0		19-Oct-22	30-Sep-22	14-00-22	14	14	0	111	■ De
59 - 802A5		UNG Tank Commissioning	0%	0	0		31-Oct-22	14-Oct-22	26-Oct-22	12	12	0	111	
60 - 802A		LNG Dock Trial	0%	0	0		06-Nov-22	27-Oct-22	01-Nov-22	5	5	0	111	
61 - 802A5		LNG Sea Trial	0%	0	0		10-Nov-22	02-Nov-22	05-Nov-22			0	†	
62 = 802A5		Delivery	0%	0	0		14-Nov-22*	J2-14UV-22	08-Nov-22	0	0	0	111	
	3120	Delivery	1776	0	0	0	T4-MON-77	1	UB-NOV-22	0	o .	9		

10. Resource Profile

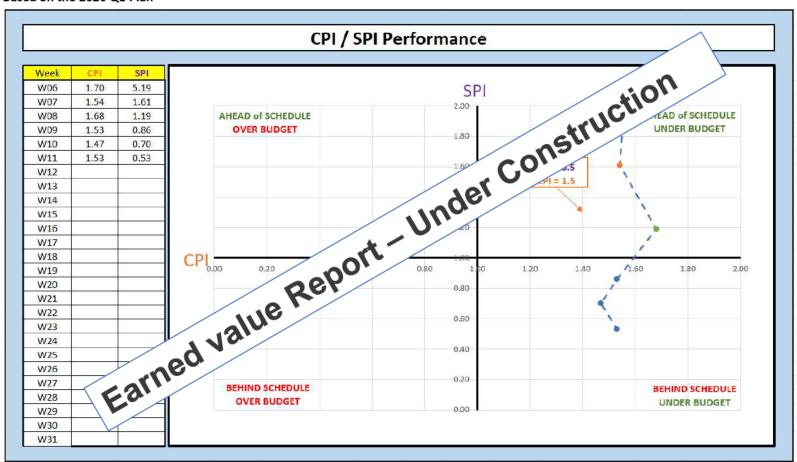


[redacted]

12. SPI & CPI Trends



Based on the 2020 Q1 Plan



13. Sub-contractor Status

Subcontractor	Scope of Work	Forecast contract date	Status
[redacted]	Electrical design and commissioning	July	Proposal to use fredacted to complete remaining works. Approval has been received from both CMAL and SG. A VEET notice has been published
[redacted]	Accommodation outfit	July	A review meeting was held on 21^{st} July. The aim is to contract by early August.
[redacted]	HVAC	August	Revised cost proposal has been submitted. Alignment on remaining scope of work to be clarified before new contract can be finalised. A review has been arranged for 29 th July
[redacted	Main machinery	August	Agreement reached to settle all legacy financial matters. Focus now needed to make new agreement for maintenance and support activities.
[redacted	Pipe manufacture	July	Three successful tenderers have been selected and standstill letters have been issued and conclude on 5 th August. The framework will then proceed. A further is required as the volume requirements for both ships cannot be supported. This will be issued after 5 th August.
[redacted	Cable installation and termination	September	The reducted is expected to be issued during the week of 27th July

14. Risks – Top 10

	Risk Category	Risk identified	Risk Description	Controls in Place	Current	Current Likelihood	Current Risk Score	Change to Risk	Action Planned	Targ et	Targe t	Target Risk Score	Chan	Target Date	Risk Owner	Date Last Updated	Date Last Reviewed	Change explanation
×	rusk Category	by:			Impact	Likelinood	Score	Scorin *	· ·	et Imi *	Like*		ge to	Date		Updated	Reviewed	
87	Project			Home working established where possible. Procurement, Engineering, Finance, Quality and Management have been established	50	5	250		Establish homeworking - IT requirements implemented Continue engineering programme with ped Use of Microsoft Teams Continue equipment movement from Westway and stock check Continue development of programme	50	5	250	NJ.	Impacted	[redacted]	Mar-20	Jul-20	No production work. Engineering programme remains on plan. No work in new stores allowed. Assessment of impact to be made.
88	Project	[redacted]	COVID 19 - there is a risk that a second wave may impact the yard or its suppliers	maintain the onsite social distancing policies	50	5	250		monitor situation and enforce policies	50	5	250			[redacted]	Jul-20		
86	Supply Chain	[redacted]		relocated and stock check and pyhsical condition established. Stock to be	50	5	250		relocate all offiste materials to a new storage facility undertake a stock take improve store location capability	50	4	200			[redacted]	30-Oct	Jul-20	A new facility is now open, equipment is being relocated and stores will then be inventoried - work stopped due to COVID. As of July, work has recommenced to move stores into now facility. A sample mercila chack has
22	Project	[redacted]	Workpackaging arrangements are not robust enough to control properly the work sequence and capturing performance	No workpackaging arrangement ourrently in place	50	5	250		Introduce a process for workpackaging 2. Improve the organisation to deliver the new process	50	3	150	•		[redacted]			
35	Production	CMAL	Unable to recruit or retain Production staff in the required numbers, with suitable qualifications and experience	Resource plans from revised programme, together with yard plan 31/03/20 Complete and Apprentice programme/intake u/w	50	5	250		develop the programme resource demand 31/03/2C [red now available planning 2. produce a yard resource plan showing all projects 31/03/2C [reda now	50	3	150		Closed	[redacted]	Oct-19		This risk has now been combined with risk no 85 and can therefore be retired
37	Project	CMAL	Late delivery of 801/802	Risks associated with late delivery are captured elsewhere in the risk register with planned controls.	50	5	250		Include a time allowance for programme slippage	50	3	150			[redacted]	Sep-19	Jul-20	Programmes are being re-baselined to take account of the COVID impact
38	Project	CMAL	Programme launch date of 802 not met	Risks associated with late launch are captured elsewhere in the risk register with planned controls.	50	5	250		Include time allowance for programme slippage (same as late delivery)	50	3	150			[redacted]	Sep-19	Jul-20	Programmes are being re-baselined to take account of the COVID impact
85	Production	[redacted]	Production resource labour rates are below industry sector and may require an increase to be competitive in attracting and retaining resource Unable to recruit or retain Production staff in the required	Resource plans from revised programme, together with yard plan	50	5	250		review allowance against market rates Include allowance for ptential increase Part of annual wage negotiations develop the programme resource demand	50	3	150	•		[redacted]			
14	Project	[redacted]	sufficiently scoped. Known rework is not fully scoped. Unknown rework will occur particularly during the test and	As part of the re-baselining, OOR's, 200 series drawings and other sources of information have been reviewed, costed and added to the programme. Future rework will be controlled by a more robust engineering change	50	5	250		Completion of re-baseline evaluation Updated and improved change control process Allow additional time in the commissioning programme	25	5	125			[redacted]	Sep-19	Jul-20	a change control process has been implemented. OOR's have been incorprotated into the model. CN's and 200 series have been included in the programme. A number of changes have now been raised.

[redacted]





Lightship History		Re	v 18			Re	v 19			Rev	v 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 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	
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	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	
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	7.86	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	3554.4	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)	13.0	-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	
,	General update External chairs		supplier specific	ation	Winch bollard Fwd Mast wei		ets added as per drawing		General updat Equipment res		p7&8		Fwd mast updated according to fabrication drawing				
	Forward mast	updated as p	er seantling dra	wings	Certainties rev	viewed			Deck covering	s reviewed							
	Ducktail update	ted			Pipe weight re	eviewed											
	LNG pipe weigh	hts updated			Adjusted pain	t weight for la	atest Jotun spec		1								
	Equipment fou	undations upo	dated														
Notes re Margin on VCG		Mar	gin on VCG (m)	0.150		Mar	gin on VCG (m)	0.150		Marg	in on VCG (m)	0.150		Ma	rgin on VCG (m)	0.150	
-		Margin in	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	placement at	3.45m draught	4433	Dis	placement at	3.45m draught	4433	Dis	placement at 3	3.45m draught	4433	D	isplacement at	t 3.45m draught	4433.0	
		Contra	act deadweight	900	Contract deadweight			900		Contract deadweight			Contract deadweig			900.0	
	VTC deadweight change -21.35					VTC deadweight change -21.3					weight change	-21.35		-21.35			
		Maximum li	ghtship weight	3554.35		Maximum li	ghtship weight	3554.35		Maximum lig	ghtship weight	3554.35	Maximum lightship			3554.4	