

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

Programme Director: [redacted]

Review Period: April 2021

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



#### 1. Health & Safety



Report Number:	Date: 14.04.21
Month: Mar 21	

#### 1. Monthly Cumulative Safety Statistics

S/W	Title	This Month Figures	Cumulative
01	RIDDORS	1	4
02	Fatality Case (Fatal)	0	0
03	Lost Working day Case (LWC)	1	4
04	Medical Treatment Case (MTC)	7	19
05	First Aid Case (FAC)	10	82
06	Property Damage (PD)	0	0
07	Near Miss (NM)	0	6
08	Fire Incident (FI)	0	2
09	Environmental Incident	0	1
10	Total Number of Recordable Injuries	1	21
11	Total Number of Days Lost	21	37

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

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

- RIDDOR. 1 incident 1 ankle injury (805 engine room-030321)
- Medical treatments 7 incidents 1 trip and fall, 1 cut to head, 2 debris in eye, 1 cut finger, 2 ankle injuries.
- 3. First Aid 10 incidents 2 cut heads, 1 head knock, 6 debris in eye, 1 cut finger.
- Fire incident Nothing reported.
   27/7 fire watch patrols being maintained.
- 5. Environmental incident no environmental incidents occurred in month of March.
- Near Miss None reported

Description	This Month	
Site Safety Inspection	3	<ul> <li>801 &amp; 805 Walks include SMT member, Sub-contractor and or Union Representative.</li> <li>Continue to review the current site COVID-19 controls.</li> <li>Regular walk throughs conducted to monitor progress on implementation of all H&amp;S relevant controls, prior to commencement of Alu welding of Aft mast</li> </ul>
Policy/Paperwork Reviews	1	<ul> <li>Review ongoing for Permit to Work evolvement into Integrated Safe System of Work (ISSOW) through Worksafe.</li> <li>Upcoming site lifts now flagged as part of planning reviews, requiring a Permit to Work for each lift. Further work required to embed basic lifting controls.</li> <li>H&amp;S Induction now delivered as a PowerPoint presentation, including a dedicated version for Sub Contractors.</li> <li>New PPE Policy rolled out in March 2021, including updates.</li> <li>Formal Confined Space Procedure rolled out and being monitored.</li> <li>New Health &amp; Safety Policy in preparation.</li> <li>Dedicated Rules of Engagement for 805 launch developed and agreed with relevant parties, in preparation for the event.</li> <li>Dedicated R/A developed for Aluminium welding of Aft mast in PG stores area.</li> <li>Housekeeping Standard template developed</li> </ul>

#### 4. SHEQ Initiatives

#### Description

H&S dept continue help identify, change & improve current processes, procedures & safety culture throughout

First Monthly Safety Committee meeting held 27th March 2021.

H&S Director and Turnaround Director continue to meet bi-weekly to discuss progress and align on next steps

Review planned with new Training Manager to consider access to online Health & Safety training

Emergency Response Team training including Confined Space Rescue & Rescue from height with support from Mines Rescue Safety Training.

All site noticed boards reviewed and agreement reached to replace with combined HSE, HR and Union version. This will require adequate controls to ensure content remains up to date.

Preparations finalized for installation of security fence for new Tower Crane

H&S Culture assessment completed with input from SMT

Action to develop an accurate Accident Frequency Rate remains open

Process to source a suitable permanent candidate, in the role of Head of HSE, has been initiated



# 2. Contract Summary

Customer	Customer CMAL		Restart – 2 <sup>nd</sup> December 2019
Agreed Contract value	Budget to completion-£110m	Contract Finish	801 April 2022 – 802 Dec 2022
Project Type	Design and Build	Forecast Finish	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 provisit of spaces and handbooks.
,	The scope of this project is to complete the design and build etc. following the F & ivers 10 of 6 August 2019.
Significant Project Changes	None (in this phase).
Acceptance Criteria	As per the specification.
Payment Terms	Currently – funding provided by the Scottisg Government lased upon FM(PG) cash flow forecast.
Warranty	The warranty for both vessels is 10 more his official 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
Health & Safety	Through the project	[redacted	<ul> <li>Formal Gap Analysis completed Dec 2020), to de-risk business, through introduction of appropriate safety controls and arrangements.</li> <li>This should provide the basis for a recognised management system</li> </ul>	Progress against identified shortfalls is reviewed bi-weekly with Turnaround Director and every 2nd month with Board.	А	$\leftrightarrow$
Quality: right first time, dimensional control, care and maintenance	Through the project	[redacted]	Appointment of Compliance manager to integrate QC team with planned activity and support Operational teams     Calling notice and reporting protocols establish     Patrol and monitoring surveillance     PotD	Progressive acceptance of Legacy mechanical system installations signed off by all stakeholders  801 structural completion surveys supporting operations Preservation and reactivation activity ongoing Client site team/Class survey or weekly washup meetings implemented	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	Work packages for fabrication, hotwork and pipe manufacture are now being issued with material identified. Improvements on how these are managed in production are being progressed.	Α	
Commissioning & Sea trials		[redacted]	Integration with build     Resource     Test forms     Ability to source LNG sea trials crew	Plan is being updated to include commissioning activities     One new member of staff nowembedded in the team     Test forms have been started	G	$\leftrightarrow$
Technical information is produced on time and change is minimised	Through the project	[redacted]	Holds are cleared prior to required release of AFC2 issue drawings     Legacy drawings identified prior to planned requirements, checked, issued and material requisitioned.     Scope of work to complete understood and planned     Document Control in place to facilitate access to the correct drawings     Minimise change by confirming basic design is compliant	Lists of legacy drawings identified and being checked     Ship surveys may be required for additional areas. Numerous actions outstanding from structural completion survey.     Document Control being established in sharepoint – in delay due to workload associated with structural completion and 805	A	<b></b>
Control of change is a properly managed process		[redacted]	An overall change process is in operation. A detailed process for stop work to be implemented across the business.	An overall change process has been operating for some months, however there is now a level of change appearing from the ICE field engineering team requiring stop works. The detailed process for managing this is being finalised	A	<b></b>
Customer relationship is positively maintained throughout the project	Through the project	[redacted]	Regular dialogue at all levels, monthly reviews, ad hoc meetings	<ul> <li>Model reviews are now complete and the focus is now on the resolution of issues at the ship. There are currently no relationship issues and we continue to work collaboratively with CMAL in their new SG role.</li> </ul>	G	$\Rightarrow$
Subcontractors are effectively integrated within the programme		[redacted]	POTD, weekly and monthly reviews	Subcontractors have been kept involved in rebaseline activity     Subcontractor plans are aligned to ours	G	$\leftrightarrow$
The project is properly resourced with: Production management & supervision Production labour	April 20	[redacte [redacted]	Accurate resource forecasting from the schedule and a resource strategy in place	The lack of agency production labour is now impacting the programme. This is being reviewed weekly to determine how this can be improved and recovered	R	$\leftrightarrow$

# 4. SOFT Report



Successes	Opportunities
<ul> <li>The weekend work shift now has a team of circa 30 however retention of personnel is a growing concern.</li> <li>802 unit 82 has been erected at ship, the use of the dimensional control has proven successful with no rework required.</li> <li>Structural completion remains on target despite a number of issues regarding silencer shipping and aft mast pipe supports</li> <li>1st fix studding has started on 5 deck to allow insulation to commence.</li> <li>A resourcing solution has been agreed and the provider redacted will be contracted to provide labour to perform defined packages of work.</li> <li>802 outfit steel packages of work out for enquiry, pipework installation tender will be in next few weeks.</li> </ul>	<ul> <li>Improved dimensional control using 3D technology. To be initially implemented on 802 units 82/83/84 and then future units/structure.</li> <li>Build strategy review for 802 to build as blocks for wheelhouse and bow units prior to erection at ship</li> <li>Use of ecchnology for pipe closers to be assessed.</li> </ul>
Failures	Threats
<ul> <li>Agency labour continues to be an issue. Available labour has been focused on 801 production in the manufacturing shop and the ship. A resourcing solution has been agreed with [reducted] to be contracted to provide labour.</li> <li>The impact of the suspension of production work, labour shortfall and the extension to the 801 drydock will require a review of the 801/802 programmes. The programmes have been revised but a finalised labour resourcing strategy is required before the baseline is struck. A review is planned for 3rd May.</li> <li>The technical proposal for 801 hull paint repair has not been agreed with CMAL. A way forward has been agreed and a dry dock specification is being developed for agreement</li> <li>Axilocks. Whilst we have cleared legacy issues in zone 2 and 3 with customer agreement there are new issues arising concerning use in accordance with Lloyds. [redacted] has been raised with [reducted] following our discovery that the wrong type of axilocks had been called up, that axilocks were being used in unacceptable spaces and on unacceptable systems. These errors have now been scoped out and where required remedial work is ongoing.</li> </ul>	COVID 19 impact to programme— Further issues/restrictions remain a threat to the programme.  Weight report – full review of the report is currently underway using generated data and validating [redacted] data where possible. This may have a weight growth risk  [redacted] delay in getting Express Pipework on contract may impact LNG pipe installation programme. Manufacturing has commenced with a forecast for the first deliveries now mid June, this can be accommodated within the programme  Equipment information loaded on [redacted] does not align to the equipment list. A full inventory is underway, circa 50% have been aligned to the equipment list  Over 106 penetrations have been identified as not conforming to Lloyds requirements, these will need to have corrective action with additional compensation.
Impact Statement / Help Needed	

6. Traffic Light Report

<b>≥</b> FERGL	150	DN
ents	Retu	urn to een
	Date	Status
reed in December. This has been impacted by the subcontract labour. Available labour is being focused a rebaseline exercise has been completed, a resource by be finalised.	May	R
and has undertaken a gap analysis. This shows a owever COVID precautions have taken precedence	TBA	Ø
ogression of understanding the quality issues and route repeatable results with Client progressive sign off now ished  i's representative onsite, feedback has been positive. humidity and environmental checks now established between Quality/Commissioning/Operations/Facilities underway. Double curvature plate outsourced.	Mar	G
reed in December. This has been impacted by the subcontract labour. Available labour is being focused A rebaseline exercise has been completed, a resource by be finalised	May	R
completion. There is an increasing amount of hours ancial project is currently being prepared		
lly poor documentation. plan.	May	A

Overall Status			Future	Comments		urn to een		
Criteria -	Dec 20	Jan 21	Feb 21	Mar 21	Trend	Comments		Status
Overall Status	R	R	R	R	$\leftrightarrow$	<ul> <li>The revised Quarterly Look Ahead, QLA, for Q1 was agreed in December. This has been impacted by the COVID suspension of work and a continuing shortfall in subcontract labour. Available labour is being focused onto 801. A full return to work commenced on 8<sup>th</sup> Feb. A rebaseline exercise has been completed, a resource plan has been produced and agreed and the plan can now be finalised.</li> </ul>	May	R
Safety	A	Α	Α	A	<b>↑</b>	<ul> <li>An interim senior safety director has now been appointed and has undertaken a gap analysis. This shows a score of 23%. Priority H&amp;S actions are being identified how ever COVID precautions have taken precedence through January</li> </ul>	TBA	G
Quality	A	A	A	A	<b>↑</b>	<ul> <li>Quality Progresses to Green and follows the natural progression of understanding the quality issues and route to closure, Legacy pipew ork quality controls delivering repeatable results with Client progressive sign off now established. QC to support for weekend working established</li> <li>801 and 802 reactivation activities underway with Jotun's representative onsite, feedback has been positive.</li> <li>Formal [redacted survey due imminently, routine humidity and environmental checks now established</li> <li>Care and preventive Maintenace steering group set up between Quality/Commissioning/Operations/Facilities</li> <li>Dimensional control surveys with Specialist contractor underway. Double curvature plate outsourced.</li> </ul>	Mar	0
Customer Relationship	O	G	G	O	$\leftrightarrow$			
Schedule	R	R	R	R	$\leftrightarrow$	The revised Quarterly Look Ahead, QLA, for Q1 w as agreed in December. This has been impacted by the COVID suspension of w ork and a continuing shortfall in subcontract labour. Available labour is being focused onto 801. A full return to w ork commenced on 8 Feb A rebaseline exercise has been completed, a resource plan has been produced and agreed and the plan can now be finalised.		R
Finance	O	O	O	O	$\leftrightarrow$	The re-baseline has maintained the previous forecast at completion. There is an increasing amount of hours unspent w hich reflects the lack of labour. An updated financial project is currently being prepared		
Technical	4	A	A	4	<b>↑</b>	<ul> <li>LR / MCA approvals is ongoing</li> <li>Design verification completed; many issues found, typically poor documentation.</li> <li>Stability calculations are progressing as per the NA team plan.</li> </ul>		A
Suppliers	G	G	G	G	$\leftrightarrow$	Pipe Installation and 801/802 Hydraulics tenders now at award.		
Resources	R	R	R	R	$\leftrightarrow$	Subcontract production labour is building up more slowly than planned. The lack of labour is now impacting the programme. A resource plan has been produced and agreed.	May	R
Risk	R	R	R	R	$\leftrightarrow$	The status remains red as the labour risk is impacting the programme. The COVID risk has also impacted with the suspension of production occurring in January.	May	G

## 5. Quality

#### **Dimensional Control & Survey**

FM(PG) took a huge step change in methodology on 20th April as we successfully erected out first Unit on 802 deploying a Dimensional control strategy with the unit fully signed off painted/primed beforehand.

Using digital survey techniques, the Interfaces of Unit 82 with Unit 76 and Unit 79 were established with 'all green' material removed and ensured a first time fit and position on the Berth

Top Shed units 83 & 84 DC surveys completed with new curved shell plates delivered and installed under survey and will form part of the same First Time Fit approach going forward.

#### People:

Dim control Lead surveyor recruitment

NDT upskilling – [redacted]

QA Manager recruitment

Replacement Mechanical inspector recruitment

Exploring QC technician Apprentice

#### Operations:

QC are aligned and supporting survey and signoff of all activity associated with 801 Structural completion namely AFT Mast, casings and silencers, Car deck recesses

First monthly OOR meeting commenced with collabration between CMAL and FM(PG)

Mechanical systems in zones 2&3 continuing with satisfactory results

Formal Wartsila Engine report still in Abeyance and OEM pressed for submission date





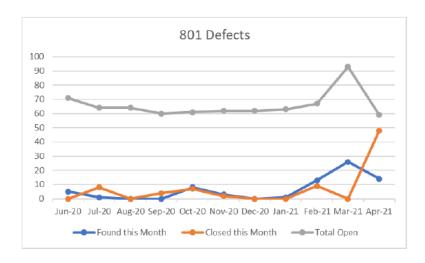
Unit 82 - First Time Fit



Unit 84 "skin over"

# 5. Quality 801





	802 Defects
60	
50	
40	
30	
20	
10	
0	
	Jun-20 Jul-20 Aug-20 Sep-20 Oct-20 Nov-20 Dec-20 Jan-21 Feb-21 Mar-21 Apr-21
	Found this Month Closed this Month Total Open

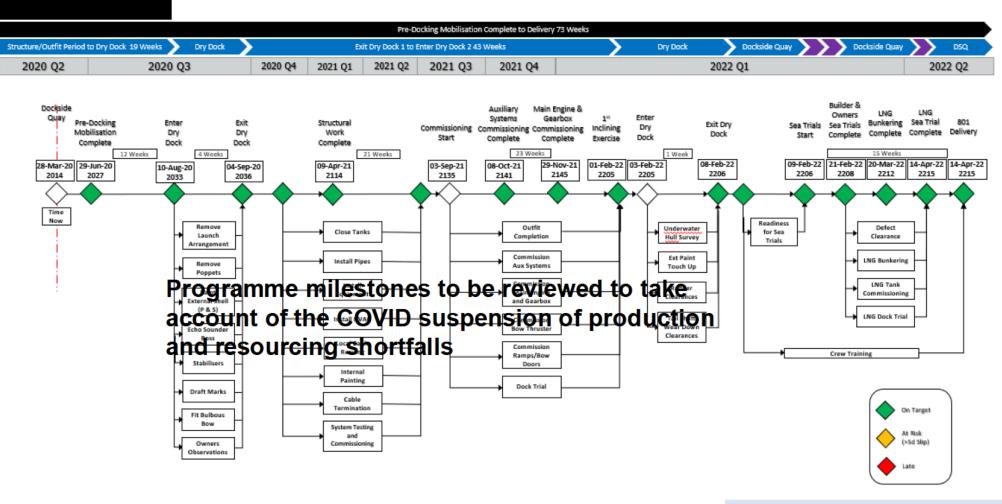
Open Defects 801								
Current Previous Prior								
Critical	8	9	7					
Major	6	26	25					
Moderate	15	17	16					
Low	30	41	6					
Total	> 60	20 - 60	< 20					

- 14 new defects raised on Care and Protection 11 of these now closed
- · 45 defects closed this month out:
  - · Aft mooring deck piting
  - · Pipework legacy standards
  - · Structural welding and repairs
- No new Critcal defects with oustanding in baseline plan (I.e panama eyes/ Thurster space Web)

	Open D	efects 802	
	Current	Previous	Prior
Critical	1	1	2
Major	3	2	3
Moderate	5	4	5
Low	33	33	33
Total	>60	20 - 60	< 20

· No defect movement this report

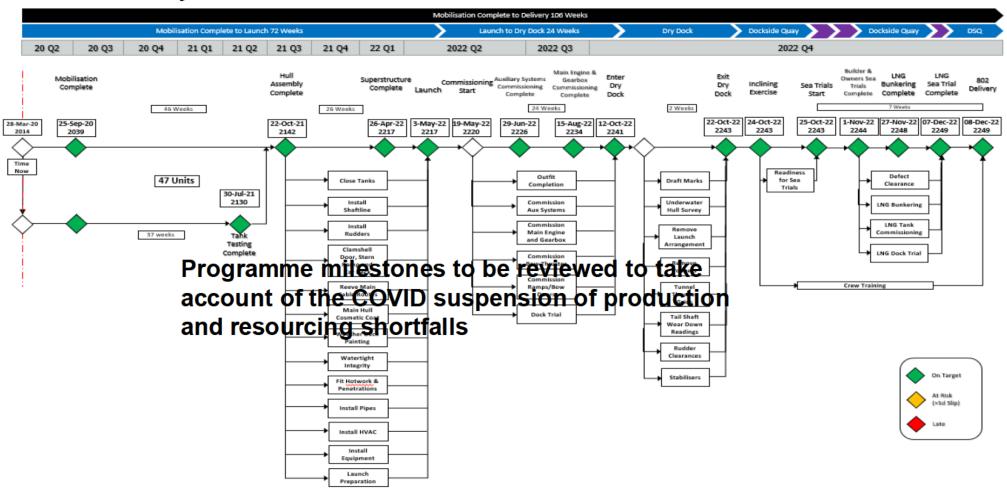
## 8. 801 Schedule Overview as @ Baseline Position (Aug 2020)



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

# 9.802 Schedule Overview as @ Baseline Position (Aug 2020)

#### 802 Timeline to Delivery



# 9. CMAL/Transport Scotland Milestones

801				:020 Q:		2020 Q	4		2021 Q	11		2021 Q	2		2021 Q	3		2021 Q	4		2022 Q	1	2	2022 Q2	2	2	2022 Q:	3	2	2022 Q
Description	Month	Year	Qtı	SEP	ост	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ост	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ост	NOV
Zone 02 AFC Drawing Issue Complete	Dotober	2020	Q3		<b>4</b>																									
Electrical Contract Awarded	November	2020				<b> </b>														l			1 !	1 !						ı
Z11 Production Outputs Complete	Decemeber	2020	Q4			1														l			1 !	1 !						ı
Start Engine Room Hotwork	January	2021	Q1				1	<b>&gt;</b>												l			1 1	( /						i
Completion of cardeck recesses	February	2021	Q1					*	<b> </b>											l			1 !	1 !						ı
omplete install pipework in sub zone 0303	March	2021	Q1						1	<b> </b>										l			1 1	( /						i
truotural Vork. Complete	April	2021	Q1								<b> </b>	l .								l			1 !	1 !						ı
ommence installation in zone 9	May	2021	G2								1	<b></b>								l			1 !	1 !						ı
Completion of Wheelhouse Windows	June	2021	Q2										<b>•</b>							l			1 1	( /						i
All Pipework installed  Z10	July	2021	Q3											<b>—</b>						l			1 1	( /						i
commission Auxiliary Systems Start	August	2021	Q3												<b>~</b>		١.			l			1 1	( /						i
Autiliary Systems Commissioning Complete	Dotober	2021	Q3														•			l			1 !	1 !						ı
211 - Wheelhouse all electrical equipment installed	September	2021	G3											L		•		_		l	_		1 1	1 - 1	L	_	_			i
Nain Engine & Gearbox Commissioning Start	Dotober	2021	Q4		) r	~		m	·m	•	m			$\mathbf{f}$	2		19-	h	$\sim$		\ / i /	$\sim$	10	~	to	+-				i
Nain Engine & Gearbox Commissioning Complete	November	2021	Q4			UU	II c	11 I		ıe		ш	: >	LU	HE	:5	LU	W		ľ	VI	E۷	ve	u	LO	La	IN			i
tll Checkvire complete	December	2021	Q4			_	1	1	1	1		1	l	I	l .	1	I	I	_			I	1 1							i
ea Trials Start	February	2022						_												🔷 🗕				( /		•	-	-		i
ulders & Dwrers Sea Trials Complete	February	2022		9		$\boldsymbol{\Gamma}$		nt		t ti	n e			<b>\/</b>	1	CI	IC	n	an	C I	$\mathbf{o}^{\mathbf{r}}$	•	)f	۸r	$\mathbf{\alpha}$	711	ct		n	ı
NG Bunkering Complete	March	2022		0			u	ıιι		L		. •		V		3	иJ	P	FII	J	<b>4</b>		7	וע		ı u	U			ı
NB Sea Trial Complete	April	2022																•		l		🔷	•	t !						ı
01Delivery (contract milestone)	April	2022	lo1				1	1	1	1	in	1		1	4 6			1	1	I		l 📤	1 /	( /	( )					

802			:0	20 Q	202	:0 Q4			2021 Q	1		2021 Q	2		2021 Q3	3	- :	2021 Q	4		2022 C	1		2022 Q	2	-	2022 Q	3		2022 Q	
Description	Month	Year	Qtr :	SEP O	et N	ю (	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ост	NOY	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ост	NOV	DEC
Commence Preparation Unit 3/5	October	2020	Q3																												
Complete preparation unit 3/5	November	1 1	- 1				- 1													l				1							i
Erect Unit 82 at Berth	November	2020																		l				1							i
Complete preparation for unit 48	December	2020	Q4			1	I													l				1							i
Commence Tank Testing	January	2021						<b>*</b>												l				1							i
Commence Zone 2 Pipework Manufacturing	February	2021	Q1				- 1	,	•											l				1							i
Commence Zonal Hotwork Programme - Zone 2	March		Q1				- 1			•										l				1							i
Commence Zone 2 Pipevork Installation	April	2021	Q2				- 1				•									l				1							i
Complete Preparation of the Funnels	Mag	2021	Q2				- 1				_	۱ 🔷								l				1							i
Completion of Cruogenic Pipework - Zone 2	June		oz I				- 1					1 *	•							l				1							i
Shaltline - Final Line of Sight	July	2021	Q3				- 1						, ,	•						l				1							i
Erect Foc'xle Block at Berth (U49IU50/U51)	August	2021	Q3				- 1							•						l				1							i
Complete Pre-Fitting Out (PFO) Zone 2	September	2021	Q3				- 1													l				1							i
Hull Assembly Complete (contract milestone - berth join up completed)	Colober	2021	Q4				- 1								1 1	*	•			l				1							i
	November		Q4				- 1										١,٠	•		l				1							i
	December	2021	04	- 1			- 1			l		l .						*	•	ı			1	1			l .	l	l	1	i
Milestones for the period after October 21 will be agreed 3 months prior to the date. CDP milestones are included through to delivery	January	2022	oi l				- 1												_	•				1							i
the date. CDP milestonex are included through to delivery	February	2022					- 1													_	4			1							i
	March	2022					- 1													l	1	<b>*</b>		1							i
Superstructure Complete (contract milextone - 100% fabrication of hull and superstructure)	Apill	2022	Q2																				<b>*</b>								i
Launch (contract milextonex - launch and hull inxpection and acceptance orior to paint completion)	Mag	2022	Q2																					<b>*</b>							i
Commissioning Start	May	2022	O2	- 1			- 1			l		l .						l	1	ı			1	<b>~</b>			l .	l	l	1	i
Commissioning of Auxiliary Systems Complete	June	2022					- 1													l				•	<b>*</b>						i
	dote		Q2	- 1			- 1			l		1						l	1	ı			1	1	_	-	l .	l	l	1	i
Main Engine and Gearbox Commissioning Complete	August	2022					- 1			l	l							l	1	I	1		1	1		-		l	l	1	i
· · · · · · · · · · · · · · · · · · ·	September	2022					- 1			l	l							l	1	I	1		1	1			_	_	l	1	i
Commence Sea Trials	Dolober	2022					- 1			l	l							l	1	I	1		1	1			l .	_	-	1	i
Builder & Owners Sea Trials Complete	November	2022					- 1			l	l							l	1	I	1		1	1			l .	l	-	•	i
LNG Sea Trial Complete	December	2022	04 l				- 1			l	l							l	1	I	1		1	1			l .	l	l	· ·	
802 Delivery contract milectone)	Depember	2022					- 1			ĺ	l							l	1	I	1		1	1	1		I	I	ĺ	1	×



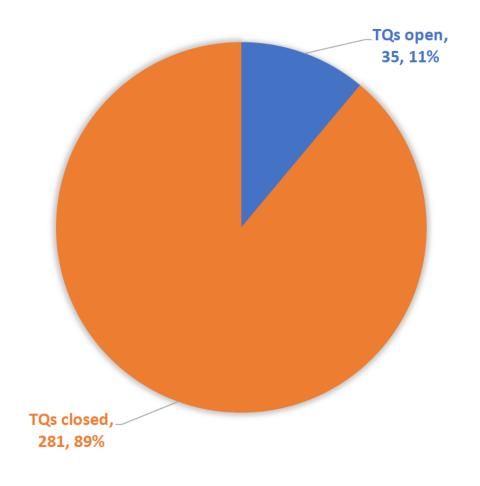
# 9. CMAL/Transport Scotland Milestones – status to end 2020

801/802 Milestor	nes - Q4 2020 an	d Q	1	202	2 <b>1</b>						
801				2020 Q3		2020 Q4			2021 Q1		
Description	Month	Year	Qtr	SEP	ост	NOV	DEC	JAN	FEB	MAR	Status
Zone 02 AFC Drawing Issue Complete	October	2020	Q3		<b>♦</b>						Complete
Electrical Contract Awarded	November	2020	Q4			$\Diamond$					Complete
Z11 Production Outputs Complete	Decemeber	2020	Q4				$\Diamond$				Complete
Start Engine Room Hotwork	January	2021	Q1	1							
Completion of car deck recesses	February	2021	Q1		_		_		•		_
complete install pipework in sub zone 0303	Programi <mark>me</mark> mile	esto	M	es t	o b	e re	evie	ewe	ed t	o•ta	ike
	ccount of the C										

and reso	urcina s	ho	rt	2 <b>3</b> 304	5	2020 Q4			2021 Q1		
Description		Year	Qtr	SEP	ост	NOV	DEC	JAN	FEB	MAR	Status
Commence Preparation Unit 3/5	October	2020	Q3		$\Diamond$						Complete
Complete preparation unit 3/5	November		l			$\Diamond$					Complete
Erect Unit 82 at Berth	November	2020	Q4			<b>*</b>					Outstanding - delayed for new dimensional survey and painting.  Unit will be erected with minimal rework
Complete preparation for unit 48	December	2020	Q4				•				Unit steelwork has been inspected and scrapped (with the exception of the bulbous bow) Steel will be provided by centralstaal. This will be reforecast
Commence Tank Testing	January	2021	Q1	1							
Commence Zone 2 Pipework Manufacturing	February	2021	Q1								
Commence Zonal Hotwork Programme - Zone 2	March	2021	Q1								

# Engineering – Status





# TQ tracker

- 81 TQs closed in the month.
- Still some legacy TQs to close
- Total open reduced from 60 reported last month

## 16. Weight



	rev21	REV24 (April 2021)	Difference rev 21 to 24
Group 1-1 Hull Steel	1543.54	1543.54	0.00
Group 1-2 Misc. Steel	141.83	141.83	0.00
Steel Margin	0.00	0.00	0.00
Total Steel	1685.37	1685.37	0.00
Group 2 S/S Aluminium	177.39	177.39	0.00
Aluminium Margin	0.00	0.00	0.00
Total S/S Aluminium	177.39	177.39	0.00
2-4 Paint	33.16	33.16	0.00
C 2 C 5	405.00	407.20	44.20
Group 3 Cargo Equipment	185.89		
Group 4 Ship Equipment	183.13		1.27
Group 5 Accom. Outfit	564.73		12.38
Total Outfit	933.75	958.79	25.04
Group 6 Main Machinery	295.40	295.29	-0.11
Group 7 Machinery Systems	178.84	188.39	9.55
Group 8 Ships Common Systems	248.47	248.47	0.00
Total Machinery & Electrical	722.71	732.15	9.44
Lightship	3552.38	3586.86	34.48
Margin	1.97	-32.46	
Lightship with margin	3554.35	3554.35	0.00
VTC change	-21.35	-21.35	0.00
Actual	3552.40	3586.86	34.46
Allowable	3554.40	3554.40	0.00

The NA team have validated the wet weights and are seeing a small (circa 2 tonne) increase over the initial estimate.

Equipment weights for larger equipments have been validated this has led to an increase in the known weight.

#### Notable weight growth in:

- Bow ramp door (+7.8t)
- Hoistable car deck (5.6t)
- LSA equipment (7t)
- TTS Deck hatches for engine room and generator room (5t)
- · Compressed air sys (1t)

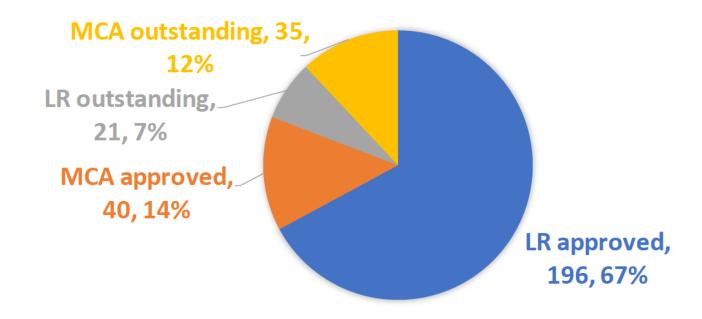
The weight groups contain sufficient contingency to offset the above growth.

These contingencies will now be reviewed and validated through the functional design development.

Some need to be retained to account for consumables, deviations from expected weights etc.

(Rev 21 is previous NA team estimates)





30 electrical drawings previously approved by LR have been resubmitted following approved' total. It is expected that these will be approved again without issue.

updates. These are still counted in the 'LR

- Operations Team:
- Org chart to be inserted.

- **Delivery:** Operations continue to report progress against the plan at a daily stand-up meeting, 'Plan of the Day'. The team will report on the following:
  - Progress against the plan for the previous day
  - Planned work for that day
  - Report any blocker where assistance is required from supporting functions.
- Communications: An all-operations employees briefing will be scheduled commencing Mid-May where employees will be briefed on changes to Operations organisation, overview of existing yard practices, behaviors and expectations. This briefing will also include: Progress against the plan; Key Milestones; Good news stories; Quality Reviews
- Key Issues in month:
  - Ability to resource to the plan;
    - Retention of weekend resources;
  - 801:
    - Silencers: Misalignment resulting in clashes. Solution is place;
    - Aft Mast: Commence outfit of pipes, a waiting specialised brackets to allow 200 bore pipe to be fitted. Aft mast lift on to 801, push back to Wednesday next week;

#### New staff this month:

- [redacted]
- [redacted]
  - Priorities: Leaning process; improvement of productivity, Improvement of Work pack process; Implement Metrics;
- [redacted]
  - Priorities: Yard layout, Lifting turning (plans), Warehouse (Min/max and control of );

#### Resource Table - 801



## 801 LookAhead Workforce - Planned vs Availability

		WE 0	9.04.21		w	E 16.04.21		WE	23.04.21		W	E 30.04.21	
Resource	CAM/Sub CAM	Planned FTE (30hrs/Wk)	Available	Var	Planned FTE (30hrs/Wk)	Available	Var	Planned FTE (30hrs/Wk)	Available	Var	Planned FTE (30hrs/Wk)	Available	Var
Ancilliary Worker		8.0	5.0	- 3	9.0	8.0	- 1	9.0	8.0	-	9.0	9.0	
Clkr Burner		11.0	2.0	- 9	11.0	2.0	- 9	11.0	2.0	- 7	10.0	3.0	-
Engineer/Mech Fitter		4.0	-	- 4	6.0	3.0	- 3	6.0	3.0	- 2	8.0	6.0	-
Joiner		1.0	2.0	1	1.0	2.0	1	1.0	2.0	2	1.0	3.0	
Painter		12.0	9.0	- 3	10.0	9.0	- 1	10.0	9.0	- 2	7.0	5.0	-
Pipe Fitter		21.0	4.0	- 17	17.0	4.0	- 13	17.0	4.0	- 7	13.0	6.0	-
Plater		26.0	18.0	- 8	27.0	17.0	- 10	27.0	17.0	- 9	24.0	15.0	-
Scaffolder		4.0	2.0	- 2	4.0	2.0	- 2	4.0	2.0	- 4	4.0	-	-
Shipwright		-	-	-	-	-	-	-	-	- 4	4.0	-	-
Welder		22.0	10.0	- 12	22.0	12.0	- 10	22.0	12.0	- 8	18.0	10.0	-
Grand Total		109.0	52.0	57	107.0	59.0	48	107.0	59.0	41	98.0	57.0	

#### Note:

Continue to work with recruitment agencies to meet demand;

Operating a weekend shift to bring programme to the left; (retention concerns)

Packages of work subcontracted out bring programme to the left;

Resource will be coming from 805 once complete - 24 - 6 ancils, 5 mech fitter, 4 joiner, 3 piepfitter,

5 plater, 1 shipwright





		802 Loc	kAhe	ad W	orkforce -	Plann	ed vs	Availa	bility					
			E 09.04.21	·	WE	16.04.21	¥		E 23.04.2	L	W	E 30.04.21	-	
Resource	CAM/Sub CAM	Planned FTE (30hrs/Wk)	Available	Var	Planned FTE (30hrs/Wk)	Available	Var	Planned FTE (30hrs/Wk	Available	Var	Planned FTE (30hrs/Wk)	Available	Var	
Ancilliary Worker		9.0	8.0	- 1	9.0	5.0	- 4	9.0	5.0	- 4	9.0	5.0	-	4
Clkr Burner		4.0	2.0	- 2	4.0	2.0	- 2	4.0	2.0	- 2	4.0	-	-	4
Engineer/Mech Fitter		-	-	-	-	-	-	-	-	-	-	-	-	
Joiner		2.0	-	- 2	2.0	-	- 2	2.0	-	- 2	2.0	-	-	2
Painter		7.0	2.0	- 5	7.0	6.0	- 1	7.0	6.0	- 1	7.0	5.0	-	2
Pipe Fitter		-	-	-	-	-	-	-	-	-	-	-	-	
Plater		12.0	-	- 12	10.0	-	- 10	10.0	-	- 10	10.0	-	-	10
Scaffolder		3.0	-	- 3	3.0	-	- 3	3.0	-	- 3	3.0	-	-	3
Shipwright		4.0	7.0	3	1.0	10.0	9	1.0	10.0	9	1.0	3.0		2
Welder		19.0	5.0	- 14	17.0	3.0	- 14	17.0	3.0	- 14	17.0	-	-	17
Grand Total		60.0	24.0	- 36	53.0	26.0	- 27	53.0	26.0	- 27	53.0	13.0	-	40

Note:NCA agreement to bring a subcontract company onsite to work on manufacture of units & other packages.



## Weekend Shift Resource

Managar	1
Manager	1
Supervisors	4
Labourer	4
Pipefitters	5
Painter	1
Platers	8
Welder	3
Burner	0
Scaff	2
Joiners	4
total	32

#### Note:

We finished 6 workers last weekend due to poor timekeeping and two people handed in their notice.

Target resource for weekend shift is 120.

# Planning Status



#### **General Status:**

QLA Q2 has been operating from the start of April. SPI was reset to 1. The EV shows performance falling behind against the plan. This is mainly driven by lack of resource but also CPI/SPI on work being performed shows low performance.

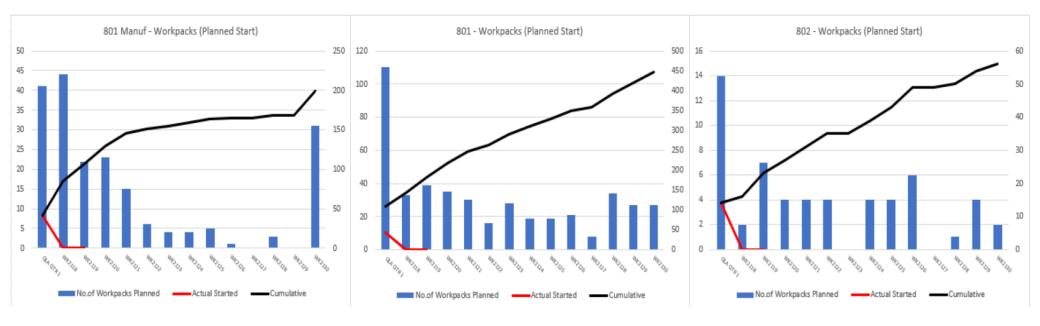
With the resource solution developed the programmes can now be finalised, a review is planned for 4th May

## Key Issues in month:

A focus is required on reporting against workpackage status, this will be reviewed in the next week.

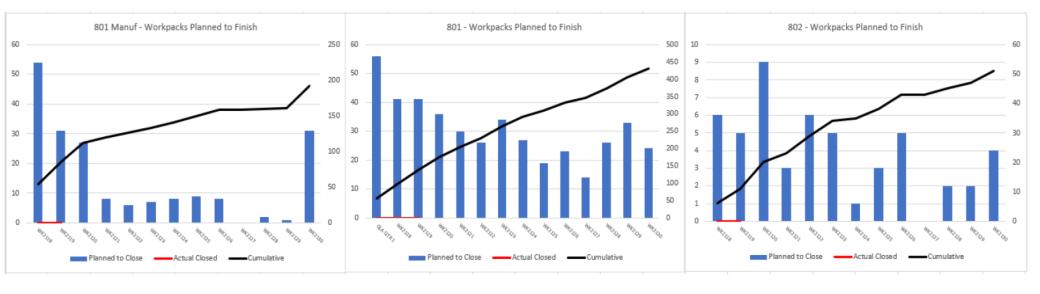
A workpack diary programme will be issued to support this.

# 19. Work Packages – Planned to Start





# 19. Work Packages – Planned to Finish

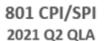


# [redacted]

# [redacted]

## 12. SPI & CPI Trends



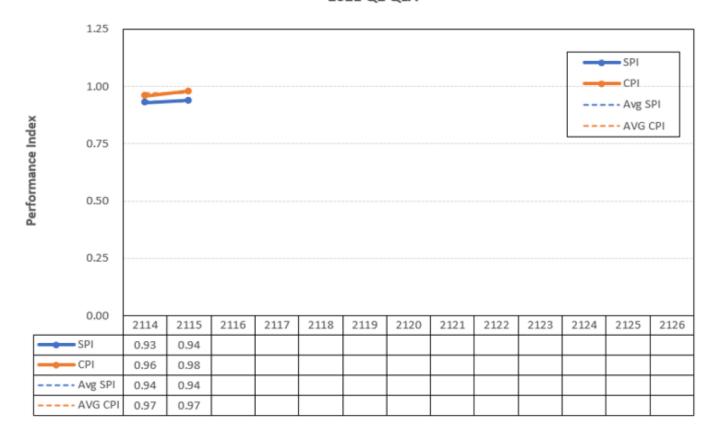




## 12. SPI & CPI Trends



802 CPI/SPI 2021 Q2 QLA



# 9c. Ship 801 Critical path

	Activity Name	OD	RD Start	Finish	BL Project	BL Project	Total Float	20	Otr 1, 20		Otr 2, 2		Otr 3, 202		Otr 4,			Qtr 1, 20			2, 2022
					Start	Finish			Jan Feb		Apr May		Jul Aug	Sep	Oct No	v Dec	Jan	Feb	Mar	Apr	May
801MANHO0203	SZ 0203 Hull Outfitting Manufacturing	30d	10d 11-Jan-21 A		11-Jan-21	19-Feb-21	-15d		SZ 02	OS Hull (	Outfitting Ma										
801MANHO1111	SZ 0202 Walkway Manufacturing	66d	61d 11-Jan-21 A	14-Apr-21	11-Jan-21	14-Apr-21	-22d					Walkway M		g							
801PfS0203Hvv01	SZ 0203 - Fit Compartment Hotwork	30d	30d 18-Jan-21*	26-Feb-21	18-Jan-21	26-Feb-21	-15d	: :				rtment Hotw									
801DPTPW0203	SZ 0203 Pipe Detail Planning (1559 off)	40d	40d 18-Jan-21*	12-Mar-21	11-Jan-21	05-Mar-21	-19d	: :		SZ (		tail Planning									
801MANHO1121	SZ 0203 Walkway Manufacturing	66d	66d 18-Jan-21*	21-Apr-21	11-Jan-21	14-Apr-21	-20d	: :	$\rightarrow$			03 Walkway I									
801PfS0202Hw4	SZ 0202 - Fit Compartment Walkways (Hotwork)	62d	62d 25-Jan-21*	22-Apr-21	25-Jan-21	22-Apr-21	-22d				SZ 020	02 - Fit Comp	artment Wa	kways (t	lotwork)						
801PfS0203Hw4	SZ 0203 - Fit Compartment Walkways (Hotwork)	66d	66d 01-Feb-21	06-May-21	25-Jan-21	28-Apr-21	-20d				SZ.	0203 - Fit Co	mpartment	Walkway	s (Hotwork	)					
801MANPP0203	SZ 0203 Pipe Manufacturing	39d	39d 15-Feb-21	12-Apr-21	08-Feb-21	01-Apr-21	-19d		_		SZ 0203	Pipe Manufa	cturing								
801Pf90203Hw02	SZ 0203 - Fit Steel/Pipe/HVAC/Elect Penetrations	25d	25d 15-Feb-21	19-Mar-21	15-Feb-21	19-Mar-21	-15d		_	S	0203 - Fit SI	teel/Pipe/HV/	AC/Elect Pen	etrations							
801In90203Pi01	SZ 0203 - Install Pipework (1559 off) and Hangers	90d	90d 12-Mar-21	20-Jul-21	05-Mar-21	13-Jul-21	-19d	: :					SZ 0203	- Install	Pipework (:	.559 off) a	and Har	gers			
801PfS0203Qc01	SZ 0203 - PFO Compartment Inspections	10d	10d 29-Mar-21	13-Apr-21	22-Mar-21	06-Apr-21	-20d			÷	SZ 0203	- PFO Compa	rtment Insp	ections							
801PfS0203Sb01	SZ 0203 - Shotblast and Paint Compartments	20d	20d 14-Apr-21	12-May-21	07-Apr-21	05-May-21	-20d	: :		1 7		SZ 0203 - Sho			partments						
801PfS0202Sb01	SZ 0202 - Shotblast and Paint Compartments	20d	20d 23-Apr-21	21-May-21	23-Apr-21	21-May-21	-22d	: :			_	SZ 0202 - S	hotblast and	Paint Co	mpartmen	s					
801Pf50203In01	5Z 0203 - Insulate Compartments	15d	15d 13-May-21	02-Jun-21	06-May-21	26-May-21	-20d	II: :					- Insulate Co								
001113020311101	SE 0203 - Insulate compartments	150	150 15-Way-21	02-1011-21	UG-Way-ZI	20-Way-21	-20d					SZ 0202									
											<del>-</del>		03 - Fit Cab								
Zone 02 -	<ul> <li>Walkways, Hotwork &amp; Pipev</li> </ul>	work are	all now or	ı the cri	tical pa	th.	)d						202 - Fit Cal								
							2d								Land Cate		_ ;				
Schedule	e will be reforecast once there	e is a col	lective un	derstan	dina on	the	)d						SZ 0203 - Re								
					9		!d						SZ 0202 - R				3				
impact of	f the following:						₽d								lte Run Pip						
							)d								minate Cab						
<ul> <li>Covid-</li> </ul>	-19 Stop Work period						!d								rminate Ca						
							7d	: :							nal Bolt Ou						
<ul> <li>Covid-</li> </ul>	-19 Resource restrictions						)d	:						SZ 0203	- Checkwir	e					
							td.	II: :						SZ 020	2 - Checkwi	re					
801TeS0203Pi01	SZ 0203 - Pipe Testing	20d	20d 12-Aug-21	08-Sep-21	05-Aug-21	01-Sep-21	-19d							5Z 0	03 - Pipe T	esting					
	SZ 0203 - Band Cables / Pack Glands	10d	10d 27-Aug-21	09-Sep-21	20-Aug-21	02-Sep-21	-20d	II: :						📺 SZ O	203 - Band	Cables / F	Pack Gl	ands			
801InS0203El04									1 1								-i -				
			10d 31-Aug-21	13-Sep-21	31-Aug-21	18-Sep-21	-22d	III :						SZ (	)202 - Band	Cables /	Pack G	ands			
801InS0202El04	SZ 0202 - Band Cables / Pack Glands	10d	10d 31-Aug-21	13-Sep-21 09-Sep-21	31-Aug-21	13-Sep-21	-22d							_	)202 - Band 203 - Outfil			ands			
801InS0202El04 801InS0203Ms01	SZ 0202 - Band Cables / Pack Glands SZ 0203 - Outfit Complete	10d Od	Od	09-Sep-21	31-Aug-21	02-Sep-21	-20d							♦ SZ O	203 - Outfit	Complete	e,	ands			
801InS0202Ei04 801InS0203Ms01 801InS0202Ms01	SZ 0202 - Band Cables / Pack Glands SZ 0203 - Outfit Complete SZ 0202 - Outfit Complete	10d Od Od	Od Od	09-Sep-21 13-Sep-21		02-Sep-21 13-Sep-21	-20d -22d							♦ SZ O	203 - Outfit 202 - Outf	Complete t Comple	e, te,		ns		
801InS0202El04 801InS0203Ms01 801InS0202Ms01 801CO1750	SZ 0202 - Band Cables / Pack Glands SZ 0203 - Outfit Complete SZ 0202 - Outfit Complete Commission Auxiliary Systems	10d 0d 0d 30d	0d 0d 30d 14-Sep-21	09-Sep-21 13-Sep-21 25-Oct-21	14-Sep-21	02-Sep-21 13-Sep-21 25-Oct-21	-20d -22d -22d							♦ SZ O	203 - Outfit 202 - Outf Con	Complete t Comple mission	e, te, Auxilia	y Systen		nerator	
801InS0202EI04 801InS0203Ms01 801InS0202Ms01 801C01750 801CO1520	SZ 0202 - Band Cables / Pack Glands SZ 0203 - Outfit Complete SZ 0202 - Outfit Complete Commission Auxiliary Systems First Run Harbour and Emergency Generator	10d Od Od 30d 5d	0d 0d 30d 14-Sep-21 5d 25-Oct-21	09-Sep-21 13-Sep-21 25-Oct-21 30-Oct-21	14-Sep-21 25-Oct-21	02-Sep-21 13-Sep-21 25-Oct-21 30-Oct-21	-20d -22d -22d -32d							♦ SZ O	203 - Outfit 202 - Outf Con	Complete t Comple mission st Run Ha	e, te, Auxilia arbour a	y Systen		nerator	
801InS0202EI04 801InS0203Ms01 801InS0202Ms01 801C01750 801C01520 801C01530	SZ 0202 - Band Cables / Pack Glands SZ 0203 - Outfit Complete SZ 0202 - Outfit Complete Commission Auxiliary Systems First Run Harbour and Emergency Generator First Run Aux Generator	10d 0d 0d 30d 5d 12d	0d 0d 30d 14-Sep-21 5d 25-Oct-21 12d 30-Oct-21	09-Sep-21 13-Sep-21 25-Oct-21 30-Oct-21 11-Nov-21	14-Sep-21 25-Oct-21 30-Oct-21	02-Sep-21 18-Sep-21 25-Oct-21 30-Oct-21 11-Nov-21	-20d -22d -22d -32d -32d							♦ SZ O	203 - Outfit 202 - Outf Con	Complete t Comple mission st Run Ha First Run	e, te, Auxilia irbour a Aux Ge	y Systen Ind Emer nerator	gency Ge	nerator	
801InS0202El04 801InS0203Ms01 801InS0202Ms01 801C01750 801C01520 801C01530 801C01540	SZ 0202 - Band Cables / Pack Glands SZ 0203 - Outfit Complete SZ 0202 - Outfit Complete Commission Auxiliary Systems First Run Harbour and Emergency Generator First Run Aux Generator Main Engine Commissioning	10d 0d 0d 30d 5d 12d	0d 0d 30d 14-Sep-21 5d 25-Oct-21 12d 30-Oct-21 14d 11-Nov-21	09-Sep-21 13-Sep-21 25-Oct-21 30-Oct-21 11-Nov-21 25-Nov-21	14-Sep-21 25-Oct-21 30-Oct-21 11-Nov-21	02-Sep-21 13-Sep-21 25-Oct-21 30-Oct-21 11-Nov-21 25-Nov-21	-20d -22d -22d -32d -32d -32d							♦ SZ O	203 - Outfit 202 - Outf Con	Complete It Complete Imission st Run Ha First Run Main	e, te, Auxilia arbour a Aux Ge Engine	y System and Emer nerator Commis	gency Ge sioning	nerator	
801InS0202El04 801InS0203Ms01 801InS0202Ms01 801C01750 801C01520 801C01530 801C01540 801C01550	SZ 0202 - Band Cables / Pack Glands SZ 0203 - Outfit Complete SZ 0202 - Outfit Complete Commission Auxiliary Systems First Run Harbour and Emergency Generator First Run Aux Generator Main Engine Commissioning Gearbox Commissioning	10d 0d 0d 30d 5d 12d 14d	0d 0d 30d 14-Sep-21 5d 25-Oct-21 12d 30-Oct-21 14d 11-Nov-21 14d 25-Nov-21	09-Sep-21 13-Sep-21 25-Oct-21 30-Oct-21 11-Nov-21 25-Nov-21 09-Dec-21	14-Sep-21 25-Oct-21 30-Oct-21 11-Nov-21 25-Nov-21	02-Sep-21 13-Sep-21 25-Oct-21 30-Oct-21 11-Nov-21 25-Nov-21 09-Dec-21	-20d -22d -22d -32d -32d -32d -32d							♦ SZ O	203 - Outfit 202 - Outf Con	Complete It Comple	e, te, Auxilia arbour a Aux Ge Engine earbox	y System and Emer nerator Commis	gency Ge sioning	nerator	
801InS0202El04 801InS0203Ms01 801InS0202Ms01 801C01750 801C01520 801C01530 801C01540 801C01550 801C01550	SZ 0202 - Band Cables / Pack Glands SZ 0203 - Outfit Complete SZ 0202 - Outfit Complete Commission Auxilliary Systems First Run Harbour and Emergency Generator First Run Aux Generator Main Engine Commissioning Gearbox Commissioning CPP Set Up	10d 0d 0d 30d 5d 12d 14d 14d 7d	0d 0d 80d 14-Sep-21 5d 25-Oct-21 12d 30-Oct-21 14d 11-Nov-21 14d 25-Nov-21 7d 26-Nov-21	09-Sep-21 13-Sep-21 25-Oct-21 30-Oct-21 11-Nov-21 25-Nov-21 09-Dec-21	14-Sep-21 25-Oct-21 30-Oct-21 11-Nov-21 25-Nov-21 26-Nov-21	02-Sep-21 13-Sep-21 25-Oct-21 30-Oct-21 11-Nov-21 25-Nov-21 09-Dec-21	-20d -22d -22d -32d -32d -32d -32d -32d -21d							♦ SZ O	203 - Outfit 202 - Outf Con	Complete t Complete mission st Run Ha First Run Main Ge CP	e, te, Auxilia arbour a Aux Ge Engine earbox P Set U	y System and Emer nerator Commis Commiss	gency Ge sioning sioning	nerator	
801InS0202EI04 801InS0203Ms01 801InS0202Ms01 801C01750 801C01520 801C01530 801C01540 801C01550 801C01550 801C01550	SZ 0202 - Band Cables / Pack Glands SZ 0203 - Outfit Complete SZ 0204 - Outfit Complete Commission Auxiliary Systems First Run Harbour and Emergency Generator First Run Aux Generator Main Engine Commissioning Gearbox Commissioning CPP Set Up Propulsion Controls	10d 0d 0d 50d 5d 12d 14d 14d 7d	0d 0d 80d 14-Sep-21 5d 25-Oct-21 12d 30-Oct-21 14d 11-Nov-21 14d 25-Nov-21 7d 26-Nov-21	09-Sep-21 13-Sep-21 25-Oct-21 30-Oct-21 11-Nov-21 25-Nov-21 09-Dec-21 06-Dec-21	14-Sep-21 25-Oct-21 30-Oct-21 11-Nov-21 25-Nov-21 26-Nov-21 26-Nov-21	02-Sep-21 13-Sep-21 25-Oct-21 30-Oct-21 11-Nov-21 25-Nov-21 09-Dec-21 06-Dec-21	-20d -22d -22d -32d -32d -32d -32d -32d -21d -24d							♦ SZ O	203 - Outfit 202 - Outf Con	Complete t Complete mission st Run Ha First Run Main Ge CP	e, te, Auxilia Aux Ge Engine earbox P Set Ui ropulsie	y System and Erner nerator Commis Commis on Contr	gency Ge sioning sioning	nerator	
801InS0203EI04 801InS0202EI04 801InS0203Ms01 801InS0203Ms01 801C01750 801C01520 801C01580 801C01540 801C01550 801C01550 801C01560 801C01570 801C01570	SZ 0202 - Band Cables / Pack Glands SZ 0203 - Outfit Complete SZ 0202 - Outfit Complete Commission Auxiliary Systems First Run Harbour and Emergency Generator First Run Aux Generator Main Engine Commissioning Gearbox Commissioning CPP Set Up Propulsion Controls PTO / PTI	10d Od Od 30d 5d 12d 14d 14d 7d 10d	0d   0d   14-Sep-21   15d   25-Oct-21   12d   30-Oct-21   14d   25-Nov-21   7d   26-Nov-21   10d   26-Nov-21   12d   09-Dec-21   12d   09-	09-Sep-21 13-Sep-21 25-Oct-21 30-Oct-21 11-Nov-21 25-Nov-21 09-Dec-21 06-Dec-21 09-Dec-21 21-Dec-21	14-Sep-21 25-Oct-21 30-Oct-21 11-Nov-21 25-Nov-21 26-Nov-21 09-Dec-21	02-Sep-21 13-Sep-21 25-Oct-21 30-Oct-21 11-Nov-21 25-Nov-21 09-Dec-21 09-Dec-21 09-Dec-21 21-Dec-21	-20d -22d -22d -32d -32d -32d -32d -52d -21d -24d -32d							♦ SZ O	203 - Outfit 202 - Outf Con	Complete t Complete mission st Run Ha First Run Main Ge CP	e, Auxilia arbour a Aux Ge Engine earbox P Set Up ropulsion	y System and Emer nerator Commiss Commiss on Contr	gency Ge sioning sioning ols	nerator	
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# 9c. Ship 802 Critical path

Activity ID	Activity Name	OD	RD Start	Finish	BL Project Start	BL Project Finish	Total Float	21   Qtr 4, 2021   Qtr 1, 2022   Qtr 2, 2022   Ctr 3, 2022   Qtr 4, 2022   Qtr 1, 2023   Qtr 2, 2023   Qtr 2, 2023   Qtr 3, 2024   Qtr 4, 2024   Qtr 1, 2023   Qtr 2, 2023   Qtr 2, 2023   Qtr 2, 2024   Qtr 4, 20
802MAUA116Hw01	Unit A11/6 Prep Full Unit	15d	15d 18-Nov-21*	08-Dec-21	18-Nov-21	08-Dec-21	-63d	Unit A11/6 Prep Full Unit
■ 802FaUA116Hw01	Unit A11/6 Fab Fab-T Frames, Minor Sub-Assys and Pillars	10d	10d 16-Dec-21	07-Jan-22	16-Dec-21	07-Jan-22	-63d	Unit A11/6 Fab Fab-T Frames, Minor Sub-Assys and Pillars
■ 802FaUA116Hv/03	Unit A11/6 Fab 6 Deck Plating	15d	15d 10-Jan-22	28-Jan-22	10-Jan-22	28-Jan-22	-63d	Unit A11/6 Fab 6 Deck Plating
■ 802ASUA116Hw01	Unit A11/6 Unit Assembly + Dry Survey	15d	15d 31-Jan-22	18-Feb-22	31-Jan-22	18-Feb-22	-63d	Unit A11/6 Unit Assembly + Dry Survey
■ 802ASB0011Hw02	Erect Fair and Weld Unit 11/6 to Block	20d	20d 21-Feb-22	18-Mar-22	21-Feb-22	18-Mar-22	-63d	Erect Fair and Weld Unit 11/6 to Block
■ 802ASB0010Hw03	Erect Fair and Weld Unit 10/7 to Block	20d	20d 04-Apr-22	04-May-22	04-Apr-22	04-May-22	-63d	Erect Fair and Weld Unit 10/7 to Block
■ 802ERB0010Hw01	Wheelhouse Block Erect, Fair and Weld	25d	25d 05-May-22	08-Jun-22	05-May-22	08-Jun-22	-63d	Wheelhouse Block Erect, Fair and Weld
■ 802ERUA097Hv/09	Unit A9/7 Erect, Fair and Weld	20d	20d 19-May-22	15-Jun-22	19-May-22	15-Jun-22	-63d	Unit A9/7 Erect, Fair and Weld
■ 802ERUA087Hw01	Unit A8/7 Erect, Fair and Weld	20d	20d 16-Jun-22	13-Jul-22	16-Jun-22	13-Jul-22	-63d	Unit A8/7 Erect, Fair and Weld
■ 802ERUA77Hw01	Unit A7/7 Erect, Fair and Weld	20d	20d 30-Jun-22	27-Jul-22	30-Jun-22	27-Jul-22	-63d	Unit A7/7 Erect, Fair and Weld
■ 802KM003	802 Superstructure Complete	Od	Od	27-Jul-22		27-Jul-22	-63d	♦ 802 Superstructure Complete,
■ 802A6470	Commission Auxiliary Systems	30d	30d 08-Aug-22	16-Sep-22	08-Aug-22	16-Sep-22	-63d	Commission Auxiliary Systems
■ 802A4910	Launch	Od	Od 26-Aug-22*	1	26-Aug-22		-29d	
■ 802A4920	First Run Harbour and Emergency Genenerator	2d	2d 17-Sep-22	21-Sep-22	17-Sep-22	21-Sep-22	-29d	■ First Run Harbour and Emergency Genenerator
■ 802A4930	First Run Auxiliary Generator	4d	4d 22-Sep-22	03-Oct-22	22-Sep-22	03-Oct-22	-29d	First Run Auxiliary Generator
■ 802A4940	Main Engine Commissioning	5d	5d 04-Oct-22	17-Oct-22	04-Oct-22	17-Oct-22	-29d	Main Engine Commissioning
■ 802A4960	Propulsion Controls	10d	10d 18-Oct-22	31-Oct-22	18-Oct-22	31-Oct-22	-61d	Propulsion Controls
■ 802A4970	Gearbox Commissioning	5d	5d 18-Oct-22	31-Oct-22	18-Oct-22	31-Oct-22	-28d	Gearbox Commissioning
■ 802A4980	PTO / PTI	1d	1d 01-Nov-22	04-Nov-22	01-Nov-22	04-Nov-22	-28d	■ PTO/PTI
■ 802A4990	Load Test	7d	7d 06-Nov-22	26-Nov-22	06-Nov-22	26-Nov-22	-28d	Load Test
■ 802A5000	PMS Set Up	7d	7d 27-Nov-22	17-Dec-22	27-Nov-22	17-Dec-22	-28d	PMS Set Up
■ 802A5010	Bow Thruster Commissioning	2d	2d 18-Dec-22	22-Dec-22	18-Dec-22	22-Dec-22	-28d	■ Bow Thruster Commissioning
■ 802A5020	Dock Trial	Od	Od 26-Dec-22	26-Dec-22	26-Dec-22	26-Dec-22	-28d	I Dock Trial
■ 802A5030	Dry-Dock	3d	3d 28-Dec-22	06-Jan-23	28-Dec-22	06-Jan-23	-28d	■ Dry-Dock
■ 802A10677	Inclining Exercise	Od	Od 10-Jan-23	10-Jan-23	10-Jan-23	10-Jan-23	-29d	Inclining Exercise
■ 802A5040	Builder Sea Trials	1d	1d 11-Jan-23	14-Jan-23	11-Jan-23	14-Jan-23	-29d	■ Builder Sea Trials
■ 802A5050	Owners Sea Trials	1d	1d 15-Jan-23	17-Jan-23	15-Jan-23	17-Jan-23	-29d	1 Owners Sea Trials
■ 802A5070	Defect Clearance	5d	5d 18-Jan-23	31-Jan-23	18-Jan-23	31-Jan-23	-29d	■ Defect Clearance
■ 802A5080	LNG Tank Commissioning	4d	4d 01-Feb-23	12-Feb-23	01-Feb-23	12-Feb-23	-29d	LNG Tank Commissioning
■ 802A5090	LNG Bunkering	2d	2d 08-Feb-23	12-Feb-23	08-Feb-23	12-Feb-23	-28d	■ LNG Bunkering
■ 802A5100	LNG Dock Trial	2d	2d 14-Feb-23	18-Feb-23	14-Feb-23	18-Feb-23	-29d	■ LNG DockTrial
■ 802A5110	LNG Sea Trial	1d	1d 20-Feb-23	22-Feb-23	20-Feb-23	22-Feb-23	-29d	■ LNG Sea Trial
■ 802A5120	Delivery	Od	Od	27-Feb-23*		27-Feb-23	-54d	Delivery,

#### 19. Subcontractor Status



#### **General Status**

- · Pipe installation progressing in 0202 and 0203
- Iredacted have now submitted pricing and commenced cable uncoiling and work in ECR and installing cable ladders on mezzanine deck, cable ladder installation started on Deck 4
- [redacted] starting preparatory works
- [redacted] starting preparatory work

#### **Key Issues in month**

- Access to subzone 0201
- · Penetration compliance review has resulted in Stop Work on burning new penetrations
- Forecast date for re-baseline to be issued

#### **Facilities**

- [redacted] portacabins in place
- [redacted] portacabins due end April work starts 26 April

#### [redacted]

- Updated 801 programme delivered 09 April
- 802 programme to be supplied

#### 19. Subcontractor Status - [redacted]



#### **Key Activities**

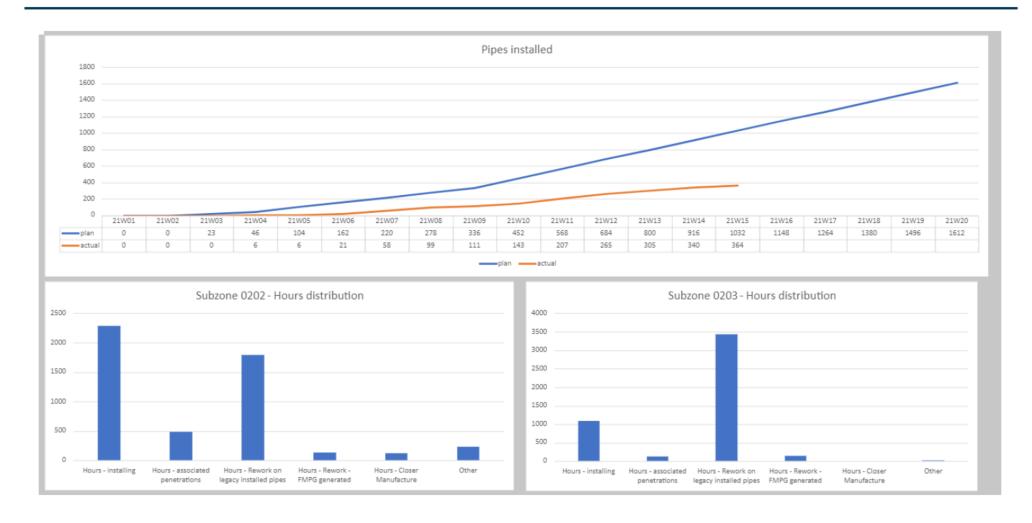
- Installation in 0202 and 0203
- Will now start in 0201 week 17 delayed from week 15 (venting equipment now in place, additional monitors available, cleaning underway to allow access)
- Workshop conducted update is out for action
- reducted team now bolstered by additional 6 from week 13 to enable leave to be planned / covered
- 5216 hours (90 reduce/manweeks) spent to date on legacy work Axilocks and realigning / installing already claimed fitted pipes approx. 5
   weeks of schedule

#### **Open Issues**

- Provision of single system isometrics will reduce supervision time at desk / printing
- Gaskets / Bolts need a min / max system in place shortages being reported provide Procurement with initial fill and then use on board Kanban to replenish
- To achieve planned completion, we need to support reduce to achieve installation rate of ~130 pipes / week
- Review of volume of change in Zone 2 & Zone 3

## 19. Subcontractor Status - [redacted]









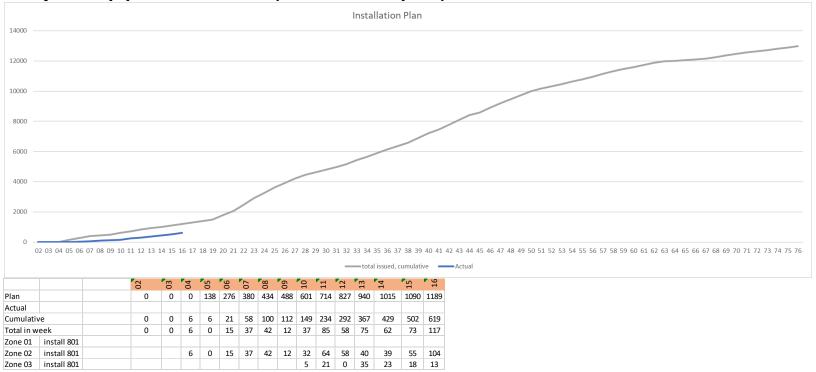
											Pip	e co	unt									
					SZ	0201	l .							SZ0202							SZ0203	
														# pipes							# pipes	
Week	No						# pipes installed							installed							installed	
	М	Т	W	Th	F	W/E		М	Т	W	Th	F	W/E		М	Т	W	Th	F	W/E		
2104	0	0	0	0	0	0	0	0	0	3	3	0	0	6	0	0	0	0	0	0	0	
2105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2106	0	0	0	0	0	0	0	0	0	0	7	6	2	15	0	0	0	0	0	0	0	
2107	0	0	0	0	0	0	0	5	8	8	7	7	2	37	0	0	0	0	0	0	0	
2108	0	0	0	0	0	0	0	9	7	8	9	8	0	41	0	0	0	1	0	0	1	
2109	0	0	0	0	0	0	0	0	0	4	4	4	0	12	0	0	0	0	0	0	0	
2110	0	0	0	0	0	0	0	4	2	2	_	12	0	30	2	0	0	0	0	0	2	
2111	0	0	0	0	0	0	0	4	6	3	10	3	0	26	8	12	6	8	4	0	38	
2112	0	0	0	0	0	0	0	7	9	8	6	5	0	35	6	4	6	4	3	0	23	
2113 2114	0	0	0	0	0	0	0	1	2	2	5	5	0	16 15	2	4	6 2	7	5	0	24	
2114	0	0	0	0	0	0	0	3	3	2	4	2	0	14	2	2	2	2	2	0	10	
2115	-	U	U	U	٥	U	U	3	3		4	_	U	14			_			U	10	
2117	$\vdash$		$\vdash$	┢	$\vdash$	┢			$\vdash$	┢	$\vdash$	⊢	┢				$\vdash$	$\vdash$	┢	$\vdash$		
2117	$\vdash$	$\vdash$	┢	┢	$\vdash$	$\vdash$			$\vdash$	┢	$\vdash$	$\vdash$	$\vdash$		$\vdash$	$\vdash$	$\vdash$	┢	┢	$\vdash$		
2119	$\vdash$		$\vdash$	$\vdash$	Н	H				$\vdash$	$\vdash$	$\vdash$	$\vdash$			$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$		
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,	ota	al i	n c	uh	70	nΔ	141							1072							1856	3069
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pre	vic	us	ly	cla	im	ed	14							193							351	558
_			-				_															
	running total 0									247							118	365				
				1	Го	Go	127							632							1387	2146
	%a	ge	Co	m	ple	ete	10%							41%							25%	30%

## 18. Pipe Installation



#### **Overall**

- Pipe Installation in Zone 02 and Zone 03 has commenced using FMPG & Hydraulics resource
- · Installation rate slow to start due to legacy rework activities being progressed as priority
- Overall pipe installation curve shown below (for 801 & 802), measuring plan v actual
- Issues around penetrations have hampered progress for pipe installation teams
- Currently ~ 450 pipes behind Plan (4-5 weeks off plan)



# 19. Pipe Status – Zone 3



			Zone	: 3						
	SZ0301	SZ0302	SZ0303	SZ0304	SZ0305	SZ0306	SZ0307	SZ0308	SZ0309	
	320301	# pipes								
Week No	# pipes installed									
2104										
2105										
2106										
2107										
2108										
2109										
2110			5							
2111			13	8						
2112										
2113			31	4						
2114			23							
2115			9	6			3			
2116										
2117										
2118										
2119										
2120										
2121										
2122										
2123										
2124										
Total in subzone to fit	59	9	284	150	84	223	108	76	145	113
previously claimed	0	0	0	0	0	0	0	0	0	0
running total	0	0	81	18	0	0	3	0	0	10
То Go	59	9	203	132	84	223	105	76	145	103
%age Complete	0%	0%	29%	12%	0%	0%	3%	0%	0%	9%

# 19. Pipe Installation – rate required

		Zc	one 2	2							Zone	<b>.</b> 3						
		Pipe	count															
	SZ0201			SZ0202		SZ0203			SZ0301	SZ0302	SZ0303	SZ0304	SZ0305	SZ0306	SZ0307	SZ0308	SZ0309	
		t pipes installed	.     '	# pipes installed	.	# pipes installed		Week No	# pipes installed	# pipes installed								
M T W T	Th F W/E	M T W T		/E M	M T W Th F W	W/E												
	0 0 0	0 0 0 3 3			0 0 0 0 0 0			2104			4			4	$\overline{}$	4		_
	0 0 0	0 0 0 0			0 0 0 0 0 0			2105 2106										-
	0 0 0	0 0 0 0 7			0 0 0 0 0 0			2106										$\rightarrow$
0 0 0	0 0 0	0 5 8 8 7 0 9 7 8 9			0 0 0 0 0 0 0			2107										
0 0 0	0 0 0	0 9 7 8 9			0 0 0 1 0 0			2109										
	0 0 0	0 0 0 4 4			2 0 0 0 0 0			2110			5							
	0 0 0	0 4 2 2 1			8 12 6 8 4 0			2111			13	8						
	0 0 0	0 7 9 8 6			6 4 6 4 3 0			2112										
	0 0 0	0 2 4 2 4			6 4 6 4 4 0			2113			31	4						
	0 0 0	0 1 2 2 5			2 4 2 7 5 0			2114			23							
	0 0 0	0 3 3 2 4			2 2 2 2 2 0			2115		4	9	6	4	4	3	4		-
	1		<u> </u>		. <del>                                     </del>	. —	4	2116		4	13		4	4				-
			TT'		. 🗆 🗆 🗆			2117 2118				$\overline{}$	$\leftarrow$				4	-
								2118										$\rightarrow$
								2119										+
			.TL'					2120										
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Total in su	ihzone	141	. +	1072	, ++++	1856		Total in subzone to fit	t 59	9	284	150	84	223	108	76	145	11
previously cl		14	. #	193	, ++++	351		previously claimed	0	0	0	0	0	0	0	0	0	
runnin		0	. +	247	, ####	118		running total		0	94	18	0	0	3	0	0	1
	-	127	. +	632	, +++++	1387		To Go	59	9	190	132	84	223	105	76	145	10
			#					%age Complete	e 0%	0%	33%	12%	0%	0%	3%	0%	0%	1
%age Cor	nplete	10%	.44'	41%		25%							-				+	#
	#	17-May	#	29-Jun		02-Jul	total	weeks to completion	23-May 4	11-Apr 1	06-Jun 6	02-Jul 10	08-Jun 6	02-Aug 15	25-Aug 18	13-Sep 20	13-Jul 12	
reeks to completion	+	3	-	10	. + + + + + + + + + + + + + + + + + + +	11	24		· · · · · · · ·									
BEKS to Comp.	+		. +   -	-	. + + + + + + + + + + + + + + + + + + +			working hours	73	73	73	73	73	73	73	73	73	
vorking hours		58	工厂	58		58	58											$\rightarrow$
o of pipes per week		42	+	63	. — — —	126	232	no of pipes per week	k 15	9	32	13	14	15	6	4	12	1
orm assumed		7	#	8.5		8.5	8.5	norm assumed	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	_
Jim dasumeu	##		#	6.3						8.5	8.5	8.5	8.5		8.5	8.5	8.5	#
no of men		5		7		15	27	no of men	n 2	1	4	2	2	2	1	0	1	



#### **Key Activities**

- Carry out Electrical Continuity Testing/Proving of existing Cabling (installed by others) in ECR Bow Thrusters & Service Transformers.
- LNG Tank 306 Install Coiled cabling, Gland cables, install backplates for equipment.
- Install Containment in AMR
- Reroute/install coiled cabling that has been installed in wrong locations.
- Deck 4 cable ladder installation has commenced
- Pricing submitted being reviewed by Procurement
- · PO placed to cover works to mid May while pricing is agreed

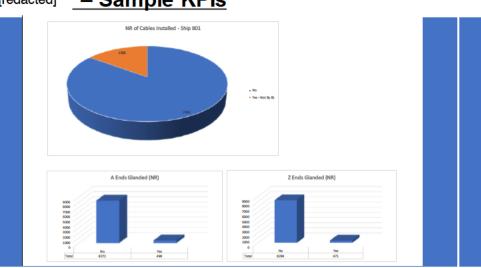
#### **Open Actions**

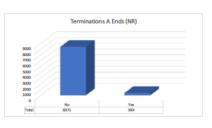
- Looking to open up more workfaces reviewed with [redacted / Planning (Nicola looking at possibilities).
- Iredacted have prepared their programme of activities, which will be issued once re-baseline is issued
- Await [redacted] switchboard mark ups for [redacted] changes
- Concerned with FMPG astores call-off procedure. Three subzones called-off to-date.

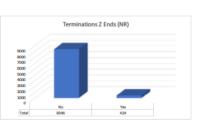


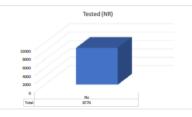
# 19. Subcontractor Activity

## [redacted] <u>- Sample KPIs</u>











# [redacted]

# [redacted]

# 14. Risks – Top 10

v	Risk Description	Controls in Place	Current Impa	Current Likelihoo	Current Risk Sco	Action Planned	Risk Owner	Change explanation
88	COVID-19 - there is a risk that the onging effect may impact the yard or its suppliers	Revised onsite social distancing and mask policies New amenities brought in to allow for increase in labour Most office staff now working from home	50	5	250	Social distancing rules remain extant. Easing of lockdown should reduce the likelihood of further COVID related incidents within the yard.	[redacted]	All production staff have returned to work 08/02. Planning team has returned to work Increase in labour planned for May
37	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     To be reviewed due to production suspension,     Bol drydock extension, and labour shortfall	[redacted	Potential programme impact to 801 as a result of poor hull paint system requiring extension to second dry docking Concern around labour and production suspension impact to programme A revised programme has been produced and will be reviewed and signed off end April/early May
85	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 Allowance against market rates reviewed.	50	5	250	Include allowance for potential increase     Part of annual wage negotiations     Develop the programme resource demand     Produce a yard resource plan showing all projects     Develop a resource supply strategy     Assumes subcontract labour will be provided at same internal rate     Extra supervision may be required	[redacted]	
70	Insufficient capacity for pipe manaufacture and installation to support the programme	Programme demand from plan based upon installation rates and compartment capacities Pipe painting facility set up in Greenock to complete painting of bought-in pipes	50	5	250	produce plans for subcontract of pipe manaufacture - plan shows pipe made out company only closing pipes     produce plans for permanent and contractor installation labour plan based on yard install     Produce specific plan for manufacture and instalation of hydraulic pipework required to be out contracted	[redacted]	Should be able to place new orders soon - likely for 802. Behind because of legacy work.

# 14. Risks – Top 10



¥	Risk Description	Controls in Place	Current Impa		Current Risk Scorp	Action Planned	Risk Owner	Change explanation
38	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)     To be reviewed due to production suspension and labour shortfall	[redacted	Currently linked to 801 programme. To be reviewed
14	Level of rework not sufficiently scoped. Known rework not fully scoped. Unknown rework will occur particularly during the test and commissioning phase	CNs and 200 series included in programme Change control process implemented. OORs incorporated into model	50	5	250	Completion of re-baseline evaluation     Allow additional time in the commissioning programme	[redacted	Rework is being separately identified through planning rework codes Legacy rework, and new rework, continues to be identified. Current concerns have been axilocks, non Lloyds approved use, and penetrations
84	Impact to the programme of the implementation of the Public Procurement process	Procurement plan in place	50	5	250	Increase procurement headcount     Allow for time in the programme	[redacted]	Public Procurement process is embedded in the business.
55	Failure of equipment during warranty period. Supplier guarantees have expired	Warranty controls and spreadsheet is live to allow ongoing review of current position	50	5	250	Warranty review meeting completed and information shared on all live warranties: where warranty is no longer able to be extended [reducted] a care and maintenace plan will be put in place.	[redacted]	[redacted pack on contract. Surveys ongoing to define care and maintence required.
46	Vessel cannot meet contract deadweight	Lightship weight continues to grow	50	5	250	Continue to limit weight growth wherever possible and practical     Commercial impact subject to the contract provisions	[redacted]	Weight calculations ongoing with updated information. Indexwill be contracted to supply information for newly modelled items.
90	Lack of robust Stop Work Process	Stop work register now in place.	50	5	250	engineering have produced an stop work process and register, this is being rolled out.	[redacted]	Change impact increased to 50 as this is becoming a concern.  Process is in place however this is being reviewed to ensure it is effective.

# [redacted]

## 16. Variations to Contract

Description	Additional Cost 801	Additional Cost 802	Programme Allowance 801	Programme Allowance 802	Weight Allowance 801	Weight Allowance 802	Status
Removal of Oily Water Separator	-	-	-	-	-1.88 T	-1.88 T	Closed
Removal of 1 air compressor, 1 air receiver, and 1 air dryer	-	-	-	-	-1.1 T	-1.1 T	Closed
Removal of 2 LO purifiers for Diesel Gen	-	-	-	-	-1T	-1T	Closed
Removal of Vapour Return Line	-	-	-	-	-	-	Closed
Supply of Window Washing Equipment	[redacted]	[redacted]	-	-	-	-	Closed
Removal of Condition Monitoring System	-	-	-	-	-	-	Closed
Change of Supplier from [redacted]	-	-	-	-	-	-	Closed
Removal of 24V AC system	-	-	-	-	-	-	Closed
Raindrop Ventilation Change	-	-	-	-	-	-	FM to send VTC
802 Thermostatic Valves	-	[redacted	-	-	-	-	FM to send VTC
Panama Eye Removal	-	-	-	-	-	-	FM to send VTC
Accommodation Fresh Water Fire Main							Open
Provision of Workshop Tools							Open
Sliding Weathertight Doors Deck 7							Open
Additional Shore Supply Connection 802							Open

## 17. CMAL Comments to the Monthly Report



#### **CMAL Comments:**

- 1. Meaningful comment against work sequencing and actual production achievement is challenging in the absence of the revised baseline planning update. We are unsighted on what further slippage in programme is likely to emanate from the re-baselining exercise we understand that we will receive the programme and delivery dates May 18<sup>th</sup>, 2021.
- 2. There is a clear lack of resource which has been identified regarding both the weekday and weekend shift without having details of the future manhour loading, this suggests the programme will be impacted and is highly unlikely that it can be recovered.
- 3. Retention of experienced/skilled staff is a concern.
- Resource is still deployed on Hull 805 which had been anticipated to be at completion

   this is evidently also having an impact on progress of the
  ferries contract.
- 5. We cannot see any clear strategy for resolving the resource issue, there are 2 potential options,
  - a. Continue to try to recruit locally which seems to have failed over a number of months
  - b. Resource significant skills from overseas as has happened in the past, we are advised that additional resource will be supplied by third party subcontracted labour, supplied by [redacted] as of 17th May.
- 6. As a result of the above we are challenged with the messaging to communities.
- 7. As a result of the above planning to recruit seafaring staff is proving impossible.
- 8. Milestone 'Structural Work Complete' was originally due 9th April 2021 and is now planned to complete May 7th, 2021. This milestone should not be confused with the outstanding 'hot' works that will still need to be completed if structural works are to be truly considered complete.
  - a. All Panama mooring eyes for all mooring positions in the primary structure will require replacement.
  - b. Under deck stiffening of forward and aft masts foundations.
  - c. Ventilation plenums to be fitted zone 10 deck 8.
  - d. Internal structural housing for Premaberg droplet separators to complete in way of both funnels
  - e. Bridge window installation and required secondary stiffening elements.
  - f. Internal Bulkheads, to form server and instrument rooms positioned frame Port Side, Frames 107 116, Deck 8.
  - g. Internal Bulkheads to install for the fire locker Port Side, Deck 6, Frames 61 65.
  - h. Food Lift Shaft to complete, Deck 5 6 Galley & Crew Servery, Frames 70 100 Centre Line.

## 17. CMAL Comments to the Monthly Report

### **CMAL Comments (Cont):**

- i. Passenger Lift Shaft forward, from decks 5 6.
- j. Cutting of clam shell doors and associated major structural works.
- k. All stairwells
- I. Installation of Forward Navigation Mast
- m. Vehicle deck hatches
- n. Various other areas
- 9. The installation of the funnels and LNG mast would have benefitted from greater levels of outfitting prior to lifting on to the vessel. The LNG outfit has been queried by CMAL as to the installation of the crank case breathers (note these will be fitted in the funnels)
- 10. Block 82 was lifted week 15, 2021, 19 weeks later than planned. Lessons learnt on hull 801 on the importance of pre outfitting at block stage have not yet found their way into mainstream yard production planning.
- 11. We have raised concerns regarding the weight and quantity of the Unistrut being used.
- 12. Certainty is required on the lightship weight, the contract deadweight capacity requirement for 801 and 802 is 877.95 tonnes and 877.85 tonnes at 3.45m draft.
- 13. Positively the resolution of defect identified is being addressed methodically and a reduction in those outstanding is witnessed
- 14. The relationship between CMAL and FMPG remains positive and collaboration continues. Greater visibility of the programme moving forward will prove vital in managing the project objectives.
- 15. It is clear in the yard, that there remains challenges between the engagement of workforce and management which will prove more of a challenge with the introduction of further subcontract labour into the Shipyard.