

Project Report

Programme: 802
100m LNG Dual-Fuel Ro-Ro Passenger Ferry

Review Period: August 2023

<u>Name</u>	<u>Job Title</u>	<u>Pages to Provide</u>
David Tydeman	CEO	
[REDACTE	Program Manager	
[REDACTED]	Planning Manager	
[REDACTED]	Operations Manager	
[REDACTED]	Financial Controller	
[REDAC	Project Accountant	

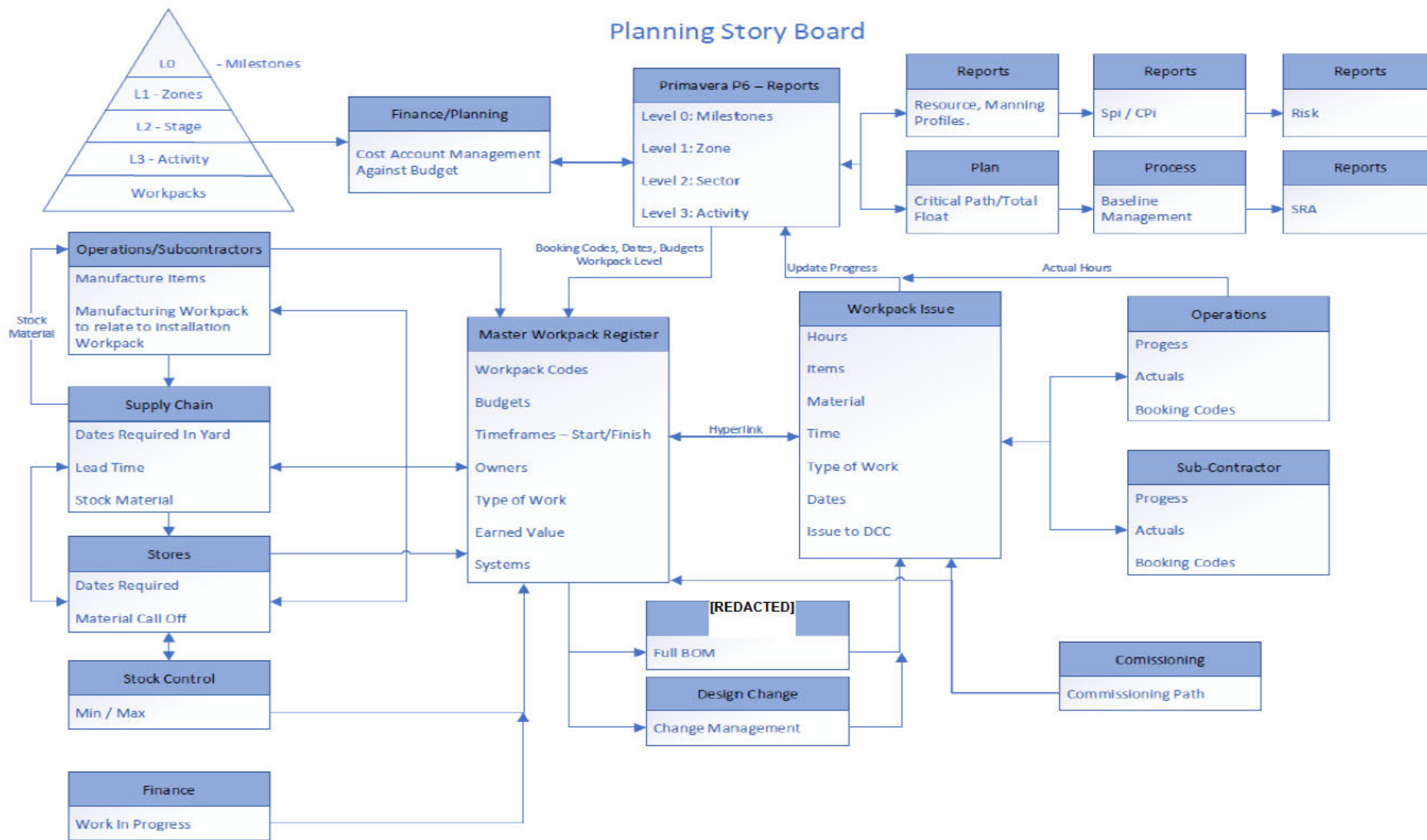


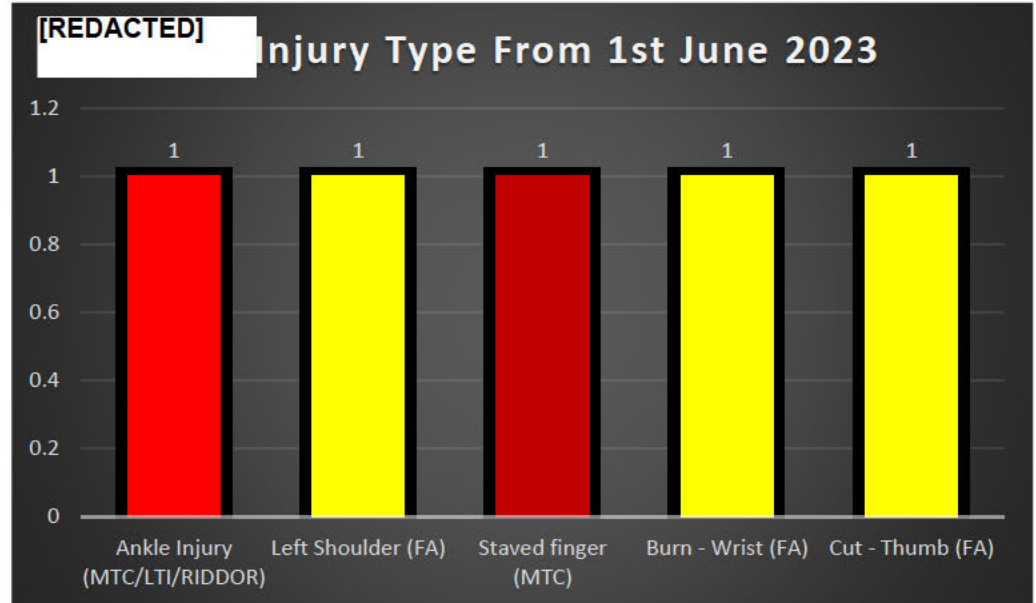
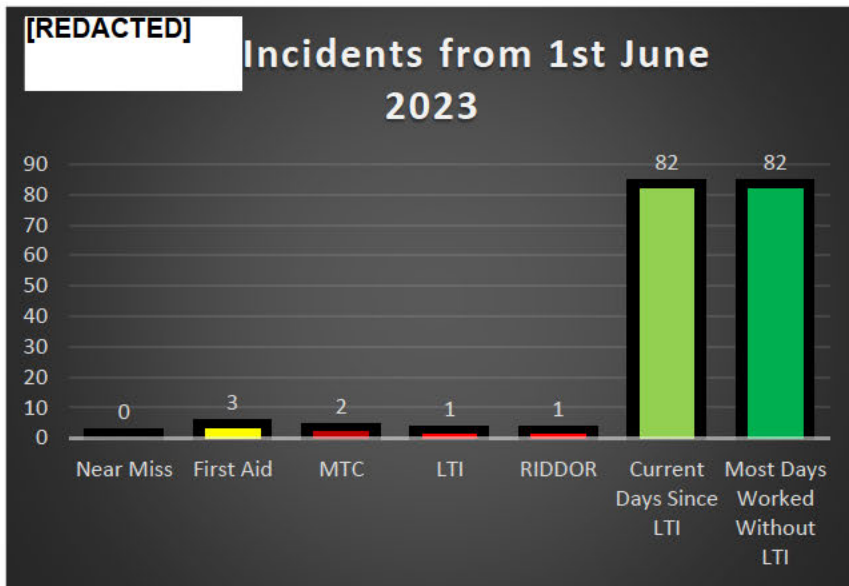
Contents Master Sheet



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Work Pack Management Process





Accidents/Incidents (reporting period: 28 Aug – 04 Sep)

- 1 incidents reported (30/08): First Aid – employee sustained cut to thumb

Accidents/Incidents Summary (BAE Project from 1st June 2023 to date)

- 1 LTI/RIDDOR reported:
 - employee going over ankle while descending off SPMT unit (Jun 23)
- 3 First Aid reported:
 - employee tripping on cables and bruising his shoulder (Jun 23)
 - employee sustained a welding ray burn on wrist (Aug 23)
 - employee sustained cut to thumb (Aug 23)
- 1 Medical Treatment Case (MTC):
 - staved middle finger whilst using handrail walking through module building (Jul 23)

Safety slides 2 of 2

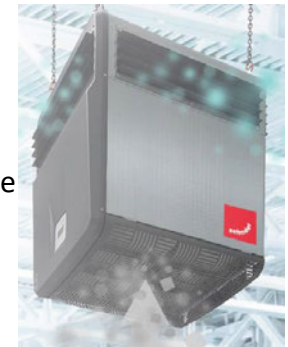
H&S Summary

Reporting period: 28 Aug – 04 Sep:

- Supervisor & H&S Advisor walked the sheds/module hall checking & noting closure of H&S improvement actions (28/08)
- The weekly site 'H&S walk' involved the module hall (31/08)
- Toolbox Talk sent out site wide with regards to the use of safety barrier tags (04/09)

Recent H&S Activity – Summary

- Looking to re-implement/improve HAVs controls – following initial meeting costs are to follow for rental and buy options.
August update: CAPEX has now been approved for this.
- Looking to implement air quality filtration units (REDACTED) within the main sheds to help control the quality of air on a constant basis, this would be over and above the individuals wearing their air fed masks, correct extraction being used.
August update: Surveys have now taken place – project progressing.
- We have developed a H&S improvement plan within the main/module shed for (REDACTED) work moving forward.
August update: We held our first improvement plan meeting 24/08/23.
- A site wide heat map is also currently being established which will effectively identify clear responsibilities throughout the shipyard.
- H&S Noticeboard review/update ongoing – the noticeboards will now have a dedicated space for Safety Alerts & Toolbox Talks to be displayed in efforts to improve safety communications throughout site.
September update: The updating/standardisation of all site noticeboards is now complete.
- We held a PPE Compliance site wide standdown/Toolbox Talk which included the (REDACTED) work area.



[REDACTED]

[REDACTED]

TIME NOW
LINE Week
36 2023

Week 8 2024 (23/02/2024)
FLOAT OFF/SHIP IN WATER

Week 30 2024 (22/07/2024)
DG START

DOCKING DOWNTIME TO
ACCOUNT FOR IN THIS PERIOD

Week 46 2024 (15/11/2024)
COMMISSIONING

C.C.F'S & C.S.F'S TO
ACCOUNT FOR IN THIS
PERIOD

CHRISTMAS
HANDOVER
Week 52 2024

LAUNCH 24 WEEKS

OUTFITTING 22 WEEKS

COMMISSIONING 16 WEEKS

SHIP HANDOVER 6 WEEKS

[REDACTED]

Row Labels	Sum of Budgeted Labor Units	Sum of Remaining Labor Units
01.A.Manufacture Hotwork	[REDACTED]	[REDACTED]
01.B.1.Install Hotwork	[REDACTED]	[REDACTED]
01.B.2.Install Secondary Hot work	[REDACTED]	[REDACTED]
01.C.Air Test	[REDACTED]	[REDACTED]
01.D.Doors	[REDACTED]	[REDACTED]
02.Insulation Pins	[REDACTED]	[REDACTED]
03.Paint	[REDACTED]	[REDACTED]
03.Paint.Tank	[REDACTED]	[REDACTED]
04.Insulation	[REDACTED]	[REDACTED]
05.A.Manufacture Pipe	[REDACTED]	[REDACTED]
05.A.1.Manufacture Electrical tray work	[REDACTED]	[REDACTED]
05.A.2.Install Electrical Tray Work	[REDACTED]	[REDACTED]
05.A.3.Cable Pulling	[REDACTED]	[REDACTED]
05.B.1.Install Large Bore Pipe	[REDACTED]	[REDACTED]
05.B.2.Install Site Run Pipe	[REDACTED]	[REDACTED]
05.C.1.HVAC Manufacture	[REDACTED]	[REDACTED]
05.C.2.HVAC Installation	[REDACTED]	[REDACTED]
06.A.Fabricate Small Bore pipe	[REDACTED]	[REDACTED]
06.B.Install small Bore pipe	[REDACTED]	[REDACTED]
07.A.Large Equipment	[REDACTED]	[REDACTED]
07.B.Large Equipment	[REDACTED]	[REDACTED]
07.B.1.Shaft	[REDACTED]	[REDACTED]
07.C.Small Equipment	[REDACTED]	[REDACTED]
07.D.Small electrical fixtures	[REDACTED]	[REDACTED]
07.E.Install Ceiling and Lining	[REDACTED]	[REDACTED]
07.I. Installation of Joiner Hot work	[REDACTED]	[REDACTED]
11.11.Primary Structure Unit Fabrication (Legacy)	[REDACTED]	[REDACTED]
11.12.Launching Arrangement (Legacy)	[REDACTED]	[REDACTED]
11.13.Support Services (Legacy)	[REDACTED]	[REDACTED]
11.14.Hot work Manufacturing (Legacy)	[REDACTED]	[REDACTED]
11.15.Hot work Installation (Legacy)	[REDACTED]	[REDACTED]
11.16.Pipework Manufacture (Legacy)	[REDACTED]	[REDACTED]
11.17.Pipework Installation (Legacy)	[REDACTED]	[REDACTED]
11.18.Painting (Legacy)	[REDACTED]	[REDACTED]
11.19.Install Engineering Equipment (Legacy)	[REDACTED]	[REDACTED]
99.00.Supervisor	[REDACTED]	[REDACTED]
99.10.Ship Manger	[REDACTED]	[REDACTED]
99.20.Healt & Safety	[REDACTED]	[REDACTED]
99.30.Production Manager	[REDACTED]	[REDACTED]
99.40.Project Management & Planning	[REDACTED]	[REDACTED]
99.50.Engineering	[REDACTED]	[REDACTED]
99.60.System Handovers	[REDACTED]	[REDACTED]
99.60.Quality Control	[REDACTED]	[REDACTED]
99.70.Maintenance	[REDACTED]	[REDACTED]
99.80.Care & Protection	[REDACTED]	[REDACTED]
99.90.Support Welders	[REDACTED]	[REDACTED]
99.91.Ancillaries	[REDACTED]	[REDACTED]
99.92.Launching Ways	[REDACTED]	[REDACTED]
99.93.Crane, Forklifts	[REDACTED]	[REDACTED]
99.94.Scaffoldings	[REDACTED]	[REDACTED]
99.95.Electrical Services	[REDACTED]	[REDACTED]
Grand Total	[REDACTED]	[REDACTED]

[REDACTED]

Row Labels	Sum of Budgeted Labor Units	Sum of Remaining Labor Units
01.D.Doors	[REDACTED]	[REDACTED]
03.Paint	[REDACTED]	[REDACTED]
05.A2.Install Electrical Tray Work	[REDACTED]	[REDACTED]
05.A3.Cable Pulling	[REDACTED]	[REDACTED]
05.A4.Cable Termination	[REDACTED]	[REDACTED]
05.B.1.Install Large Bore Pipe	[REDACTED]	[REDACTED]
05.B.2.Install Site Run Pipe	[REDACTED]	[REDACTED]
05.C.1.HVAC Manufacture	[REDACTED]	[REDACTED]
05.C.2.HVAC Installation	[REDACTED]	[REDACTED]
06.B.Install small Bore pipe	[REDACTED]	[REDACTED]
07.A.Large Equipment	[REDACTED]	[REDACTED]
07.B.Large Equipment	[REDACTED]	[REDACTED]
07.B.1.Shaft	[REDACTED]	[REDACTED]
07.C.Small Equipment	[REDACTED]	[REDACTED]
07.D.Small electrical fixtures	[REDACTED]	[REDACTED]
07.E.Install Ceiling and Lining	[REDACTED]	[REDACTED]
07.F.Install Furniture	[REDACTED]	[REDACTED]
07.H.Install Floor Coverings	[REDACTED]	[REDACTED]
07.I. Installation of Joiner Hot work	[REDACTED]	[REDACTED]
99.00.Supervisor	[REDACTED]	[REDACTED]
99.10.Ship Manger	[REDACTED]	[REDACTED]
99.20.Healt & Safety	[REDACTED]	[REDACTED]
99.30.Production Manager	[REDACTED]	[REDACTED]
99.40.Project Management & Planning	[REDACTED]	[REDACTED]
99.50.Engineering	[REDACTED]	[REDACTED]
99.60.Quality Control	[REDACTED]	[REDACTED]
99.70.Maintenance	[REDACTED]	[REDACTED]
99.80.Care & Protection	[REDACTED]	[REDACTED]
99.90.Support Welders	[REDACTED]	[REDACTED]
99.91.Ancillaries	[REDACTED]	[REDACTED]
99.93.Crane, Forklifts	[REDACTED]	[REDACTED]
99.94.Scaffoldings	[REDACTED]	[REDACTED]
99.95.Electrical Services	[REDACTED]	[REDACTED]
Grand Total	[REDACTED]	[REDACTED]

[REDACTED]

Row Labels	Sum of Budgeted Labor Units	Sum of Remaining Labor Units
CC's	[REDACTED]	[REDACTED]
05.A5. Install MCT Packing	[REDACTED]	[REDACTED]
05.A4L. Cable Banding	[REDACTED]	[REDACTED]
07.D.Small electrical fixtures	[REDACTED]	[REDACTED]
99.00.Supervisor	[REDACTED]	[REDACTED]
99.10.Ship Manger	[REDACTED]	[REDACTED]
99.20.Healt & Safety	[REDACTED]	[REDACTED]
99.30.Production Manager	[REDACTED]	[REDACTED]
99.40.Project Management & Planning	[REDACTED]	[REDACTED]
99.50.Engineering	[REDACTED]	[REDACTED]
99.60.System Handovers	[REDACTED]	[REDACTED]
99.60.Quality Control	[REDACTED]	[REDACTED]
99.70.Maintenance	[REDACTED]	[REDACTED]
99.80.Care & Protection	[REDACTED]	[REDACTED]
99.90.Support Welders	[REDACTED]	[REDACTED]
99.91.Ancillaries	[REDACTED]	[REDACTED]
99.93.Crane, Forklifts	[REDACTED]	[REDACTED]
99.94.Scaffoldings	[REDACTED]	[REDACTED]
99.95.Electrical Services	[REDACTED]	[REDACTED]
Grand Total	[REDACTED]	[REDACTED]

[REDACTED]

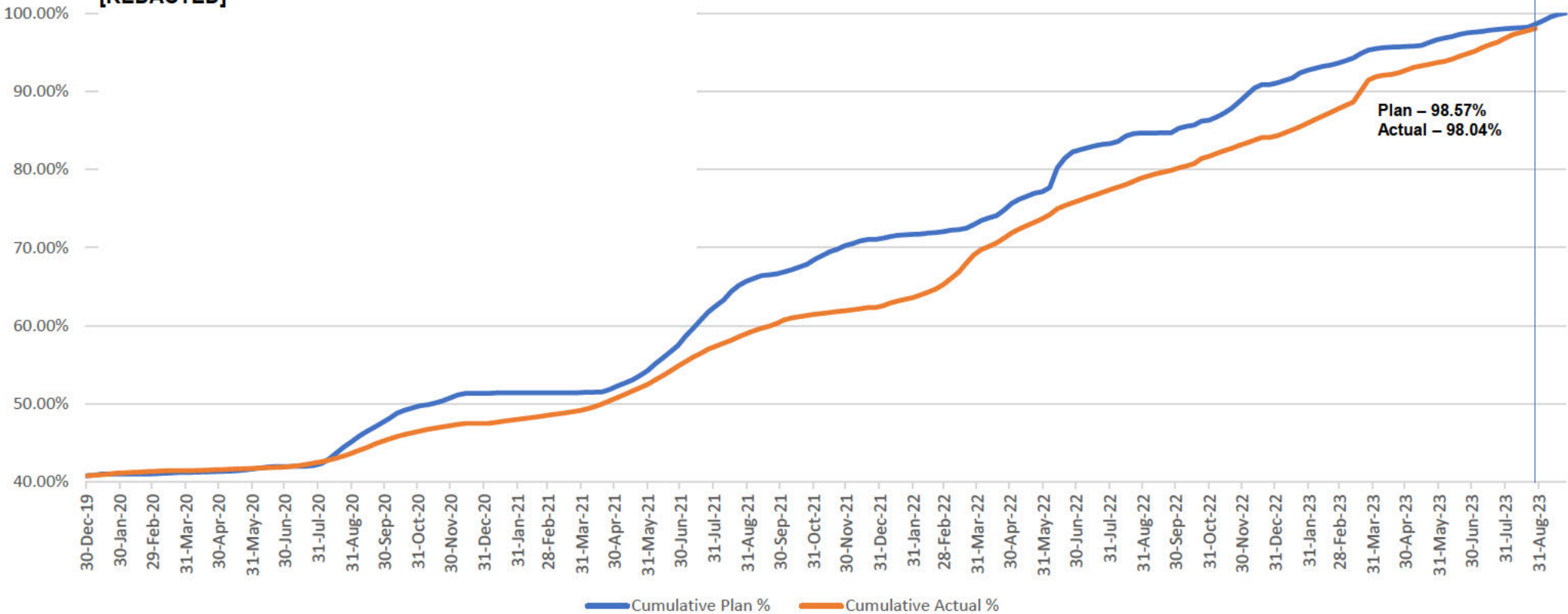
802 Primary Structure - WK35

- AFT MAST Fabrication is on hold due to LNG Piping IWO Mast
- Unit Erection and consolidation will be completed by end of Sep 2023.
- Unit 99, 100, FWD & AFT Mast to be erected onboard.

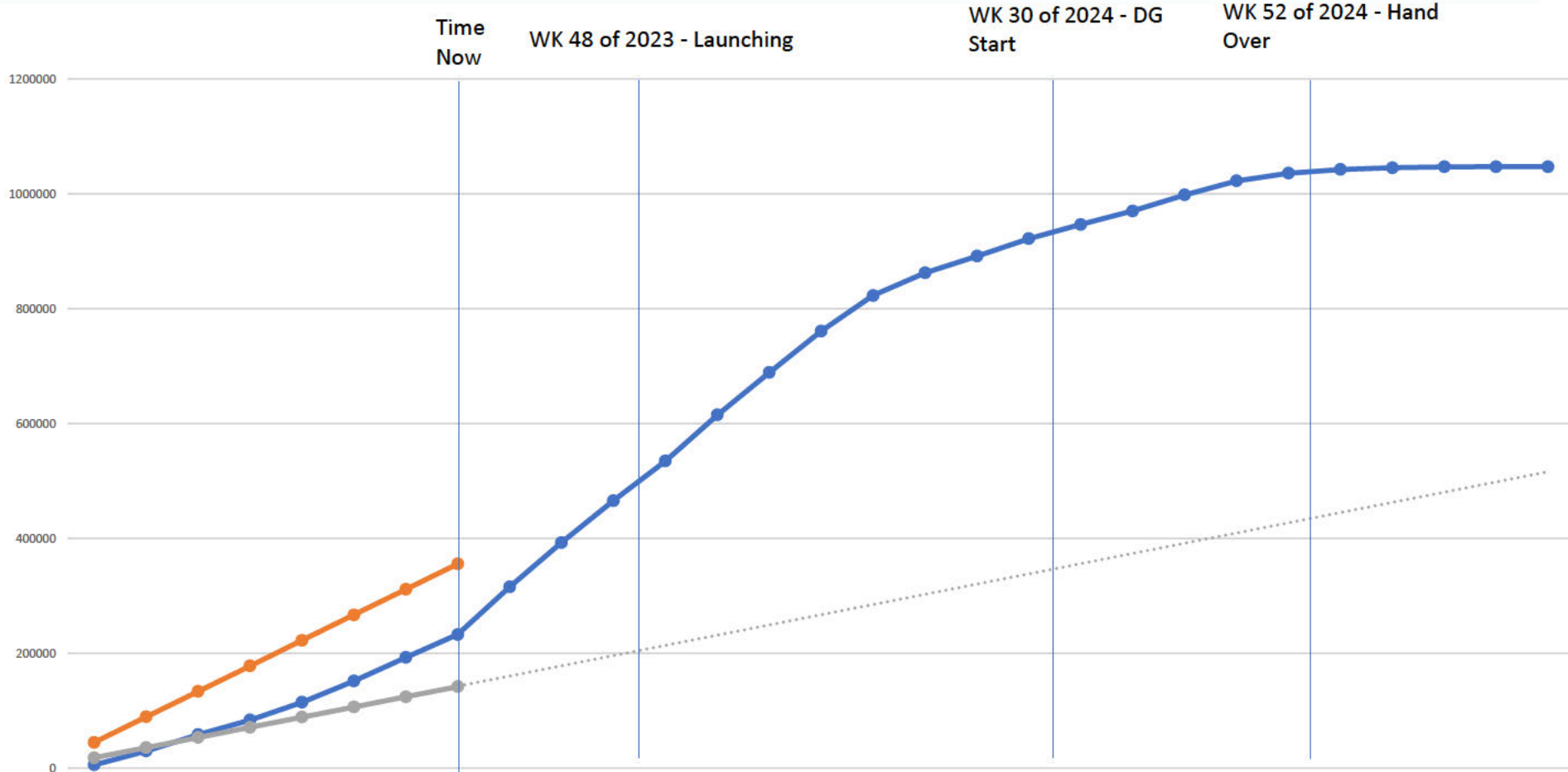
802 Primary Structure % Progress S-Curve (Phase 2)

Time Now

[REDACTED]



CL Plan Baseline vs Earn & Actual Curve (WK35)



	01-Jan-23	01-Feb-23	01-Mar-23	01-Apr-23	01-May-23	01-Jun-23	01-Jul-23	01-Aug-23	01-Sep-23	01-Oct-23	01-Nov-23	01-Dec-23	01-Jan-24	01-Feb-24	01-Mar-24	01-Apr-24	01-May-24	01-Jun-24	01-Jul-24	01-Aug-24	01-Sep-24	01-Oct-24	01-Nov-24	01-Dec-24	01-Jan-25	01-Feb-25	01-Mar-25	01-Apr-25	01-May-25	
CL Planned Value Labor Units	5453	29390	58160	83478	114494	151442	192338	232483	315158	392585	465515	534657	615051	688913	760947	822956	862558	891455	922044	946654	970388	998135	1022740	1036198	1042466	1045558	1047174	1047303	1047303	
CL Period Actual Labor Units	44438	88876	133313	177751	222189	266627	311064	355502																						
CL Period Earned Value Labor Units	17695	35390	53085	70781	88476	106171	123866	141561																						


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Level 0 High Level Plan (WK35) - Slide 1 of 2

Project 0802 Ferguson Marine (Port Glasgow) Limited		High Level Plan	07-Sep-23 Data Date: 04-Sep-23
#	Activity ID	Activity Name	[REDACTED]
1	00.00 High Level		
2	802Gen0000	Project Started	
3	A1060	Unit Build	
4	A1070	Wheel House	
5	A1190	Aft Bow Thrust including Grat	
6	A1200	Drop Stern	
7	A1210	Pre Sight	
8	A1220	Final Sight	
9	A1230	A Brackets Port/Stb	
10	A1240	Stem Tubes	
11	A1260	Finish Tanks	
12	A1330	Manufacture Pipes	
13	A1071	Hot work Complete 2 Deck	
14	A1290	Underwater Fittings	
15	A1300	FWD Bow thruster including c	
16	A1310	Hull Paint and Draft Mark	
17	A1250	Prep Shaft Line	
18	A1221	Rudder Insert	
19	A1340	Start Pipes	
20	A1251	Install Shaft Line (Port)	
21	A1090	Paint 2 Deck	
22	A1091	Ship Consolidation	
23	A1065	Cable Cutting	
24	A1252	Install Shaft Line (Stbd)	
25	A1320	Staging Removal	
26	A1052	Hotwork Complete	
27	A1253	Connect Gear Box	
28	A1321	Install Poppets	
29	A1322	Remove Remaining Staging	
30	A1254	High Speed Shaft	
31	A1000	Finish Tray 2 dk	
32	A1010	Start Reeve	
33	A1270	Install Steering Gear (Port)	
34	A1271	Install Steering Gear (Stbd)	
35	A1260	Install Rudder	
36	A1089	Doors	
37	A1100	Ship Water	
38	A1160	HVAC Ducting	
39	A1510	Clamshell doors Open	
40	A1111	Gap & Sag	
41	A1500	Install Mezzanine Deck	

	Primary Baseline
	Actual Work
	Remaining Work
	Critical Remaining Work
	Milestone
	Summary

Level 0 High Level Plan (WK35) - Slide 2 of 2

Project 0802 High Level Plan 07-Sep-23
 Ferguson Marine (Port Glasgow) Limited Data Date: 04-Sep-23

#	Activity ID	Activity Name	[REDACTED]
42	A1170	Set Fans to Work	
43	A1180	Chilled Water STW	
44	A1341	Pipes Completed	
45	A1020	Elec. Equipment	
46	A1350	Pressure Test Pipes	
47	A1360	Hydraulics Flushed	
48	A1370	Flush Pipes	
49	A1420	Ramps STW	
50	A1050	Hydraulic Room Op. STW	
51	A1501	Install Ramps	
52	A1410	Mezzanine Deck STW	
53	A1120	Shore Power	
54	A1480	Finish Reeve	
55	A1490	Finish Termination	
56	A1040	Finish Check Wire	
57	A1130	Switch-boards	
58	A1140	Diesel Generator	
59	A1400	Clamshell doors STW	
60	A1502	Distribution Boards	
61	A1150	Main Machinery	
62	A1430	Hotel STW	
63	A1440	Bridge Systems/ PMS STW	
64	A1151	Main Basin Trial	
65	A1110	Exit Dock	
66	A1460	CST	
67	A1470	HandOver	
68	802Gen0000	Project Completed	

- Primary Baseline
- Actual Work
- Remaining Work
- Critical Remaining Work
- Milestone
- Summary

TASK filter: High level milestones and milestones.
 Rev 01
 Accepted by:
 FMPG Production:
 FMPG Projects:

[REDACTED]

Activity	Remaining Duration	Budgeted Labor Units	Remaining Labor Units	Planned Value Labor Units	Earned Value Labor Units	Actual Labor Units	Early Finish	SPI - Labor Units	CPI - Labor Units
Total	[REDACTED]								
Deck 0 - Inside Tanks	[REDACTED]								

[REDACTED] 801/802 Decks

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]



[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]



[REDACTED]

[REDACTED]



[REDACTED]

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[REDACTED]



[REDACTED]

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Level 2 - Programme by Discipline (WK35) Slide 1 of 2



[REDACTED]

- Primary Baseline
 - Actual Work
 - Remaining Work
 - Critical Remaining Work
 - Milestone
- Summary

Page 1 of 2

Accepted by:
FMFG Production:
FMFG Projects:

Level 2 - Programme by Discipline (WK35) Slide 2 of 2



[REDACTED]

- Primary Baseline
 - █ Actual Work
 - █ Remaining Work
 - █ Critical Remaining Work
 - ◆ Milestone
- ▼ Summary

Page 2 of 2

Accepted by:
FMPG Production:
FMPG Projects:

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Level 2 - Programme by Owner (WK35)

[REDACTED]



<p>Primary Baseline Actual Work Remaining Work Critical Remaining Work Milestone</p>	<p>Summary</p>	<p>Page 1 of 1</p> <p>Accepted by: FMFG Production: FMFG Projects:</p> <p>© Oracle Corporation</p>
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P6 Histograms - Overall (Slide 1 of 2) (WK35)



Remaining Early Labor Units vs Remaining Late Labor Units with Period Earned Value Labor Units & Period Actual Labor Units - Histogram

[REDACTED]

P6 Histograms – Overall Number of Men

(Slide 2 of 2) (WK35)



Remaining Early Labor Units vs Remaining Late Labor Units with Period Earned Value Labor Units & Period
Actual Labor Units - Histogram

[REDACTED]

Resource – WIP - Bookings



Booking Hours (All)

Week 35

[REDACTED]

Work Pack Contents Summary

[REDACTED]

*Baseline will be done on Week 35, when work orders are complete. All dates for Baseline taken Level 0 Timeline which was agreed with CEO & Scottish Government.

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Subcontract Summary Table

Work Scope	[REDACTED]	[REDACTED]	Qty	Unit	[REDACTED]	Actuals	Earns
Fabricate and Install Cable Trays			3,846	Mts		-	-
Cable Pulling			240,000	Mts		-	-
Cable Terminations			40,000	Nos		-	-
Install MCT Packing			-	-		-	-
Check Wire			40,000	Mts		-	-
Install Ceiling and Lining			-	-		-	-
HVAC Duct Manufacture & Install			2,500	Mts		-	-
Pipe Manufacturing			12,200	Nos		-	-
Pipe Installation			12,200	Nos		-	-
Install Insulation (Up to Deck 5)			-	-		-	-
Install Insulation (Deck 5 to Deck 7)			-	-		-	-
Painting			-	-		-	-

Recent Issues/Challenges and Mitigation Actions



1. Issue: Subcontractors are not finalized for all disciplines (Piping, architectural outfit, electrical, etc) yet.

Mitigation Action: Procurement should finalize select subcontractors and finalize contracts in order to start work onboard.

2. Issue:[REDACTED] work pack delivery target is Week 35. However, referring to the present delivery rate, week 35 target would be in risk.

Mitigation Action: FMPG informed [REDACTED] to provide recovery plan.

3. Issue: Current P6 schedule network which is submitted by [REDACTED] is not acceptable for FMPG to takeover.

Mitigation Action: FMPG highlighted all the outstanding work and [REDACTED] agreed to deliver corrected schedule network earliest.

4. [REDACTED]

[REDACTED]

6. Challenge: Operations team should execute weekly work onboard in-line with weekly lookahead which is extracted from MWPR.

Mitigation Action: Production team should discuss and work closely with planning team.

7. Challenge: Tank Program and Shaft program is delayed.

Mitigation Action: Operations team should focus to speedup pipe pen installation IWO tank boundaries and shaft program related activities.