



SENTINEL
COMMISSIONING COMPLETION

FROM MECHANICAL COMPLETION — TO — OPERATIONAL READINESS

Delivering visibility, control, traceability, and digital commissioning excellence across every phase of project delivery.



COMPLETE VISIBILITY

Real-time visibility into progress, data and performance.



TOTAL CONTROL

Centralized control of processes, quality and compliance.



FULL TRACEABILITY

End-to-end traceability of systems, documents and activities.



ACCELERATED HANDOVER

Faster readiness assessment and successful handover.



OIL & GAS



FPSO



MINING



CONSTRUCTION



SENTINEL

COMMISSIONING COMPLETION

End-to-End Commissioning Management
from Construction to Operational Readiness



OIL & GAS



PETROCHEMICAL

Why Sentinel?

Commissioning success depends on having the right information at the right time.

Sentinel delivers real-time visibility of system readiness, completion status, outstanding punch items, and commissioning progress, allowing project teams to focus on execution rather than searching for information.

The platform serves as a single source of truth for all stakeholders involved in project delivery.

VISIBILITY
Gain complete visibility across every system, discipline, and commissioning phase from a single platform.

READINESS
Know exactly which systems are ready for Mechanical Completion, Commissioning, RFSU, and Handover.

CONTROL
Transform commissioning from a reactive process into a controlled and measurable operation.

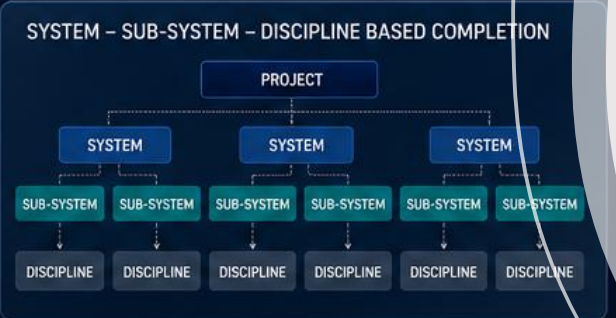
TRACEABILITY
Every inspection, punch item, approval, and certificate is fully traceable and auditable.

COLLABORATION
Eliminate information silos by connecting construction, commissioning, and operations teams in one digital ecosystem.

HOW SENTINEL SUPPORTS OPERATIONS & COMMISSIONING

PRESERVATION → MECHANICAL COMPLETION → PRE-COMMISSIONING → COMMISSIONING → PRSU (READY FOR START-UP) → HANDOVER → PERFORMANCE TESTING → PROJECT CLOSE OUT

✓ Sentinel ensures that all commissioning activities can be monitored in real time across Systems, Sub-Systems, and Disciplines.



ITR MANAGEMENT

ITR CREATION → INSPECTION → APPROVAL → COMPLETE

Create ITR Inspection Execution Review & Approval ITR Completed

FEATURES

- Assignment
- Approval
- Attachment
- Status Tracking
- Review

PUNCH MANAGEMENT

INSPECTION → PUNCH CREATED → ASSIGNED → RECTIFIED → VERIFIED → CLOSED

Inspection Identified Punch Item Created Assign to Responsible Party Correction Implemented Verification & Validation Punch Item Closed

VALUE PROPOSITION

No punch item is lost or forgotten.

EXECUTIVE DASHBOARD OVERVIEW

OVERALL PROGRESS

78% OVERALL

STATUS BY PHASE	Progress
MECHANICAL COMPLETION	100%
PRE-COMMISSIONING	100%
COMMISSIONING	100%
RFSU	100%
HANDOVER	48%
PERFORMANCE TESTING	35%
PROJECT CLOSE OUT	20%

REAL-TIME MONITORING

DATA DRIVEN DECISION

IMPROVED COLLABORATION

SENTINEL

SERVICE & SUPPORT



24/7 TECHNICAL SUPPORT

Dedicated technical assistance to ensure uninterrupted operations and rapid issue resolution throughout the project lifecycle.



MULTI-PLATFORM ACCESSIBILITY

Access Sentinel anytime, anywhere through Desktop, Web, and Tablet platforms, enabling seamless collaboration across field and office teams.



TAILOR-MADE SOLUTIONS

Flexible customization designed to align with your project requirements, company workflows, and continuously updated according to industry best practices.



SYSTEM INTEGRATION

Open API architecture enables seamless integration with ERP, CMMS, DCS, Document Management Systems, SAP, Oracle, and other third-party platforms.



BUSINESS INTELLIGENCE & ANALYTICS

Interactive Power BI Dashboards and Reports provide real-time project insights, KPI monitoring, executive reporting, and data-driven decision support.



CONTINUOUS IMPROVEMENT

Regular software enhancements, feature updates, and optimization based on client feedback and evolving commissioning best practices.



ENTERPRISE-GRADE SECURITY

Secure user authentication, role-based access control, audit trails, and complete traceability for every project activity.



FLEXIBLE DEPLOYMENT

Deploy Sentinel On-Premises or Cloud-Based, depending on your organization's IT policies and infrastructure requirements.



SENTINEL APPLICATION VALUE

SENTINEL COMMISSIONING COMPLETION

End-to-End Commissioning Management
from Construction to Operational Readiness



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VISIBILITY

Gain complete visibility across every system, discipline, and commissioning phase from a single platform.



READINESS

Know exactly which systems are ready for Mechanical Completion, Commissioning, RFSU, and Handover.



CONTROL

Transform commissioning from a reactive process into a controlled and measurable operation.



TRACEABILITY

Every inspection, punch item, approval, and certificate is fully traceable and auditable.



COLLABORATION

Eliminate information silos by connecting construction, commissioning, and operations teams in one digital ecosystem.



DECISION MAKING

Enable management teams to make informed decisions based on real-time project intelligence.



PROJECT DELIVERY

Reduce commissioning delays by identifying bottlenecks before they impact startup schedules.

INDUSTRY BEST PRACTICE

Moving away from disconnected spreadsheet to a structured, system-driven approach.

Sentinel monitors readiness at the System and Sub-System level, ensuring critical paths are prioritized for a safe and efficient plant startup.

This allows a controlled transition from construction to operations without information gaps.



Source: www.vecteezy.com

COMMISSIONING LIFECYCLE SUPPORT

HOW SENTINEL SUPPORTS OPERATIONS & COMMISSIONING



Sentinel ensures that all commissioning activities can be monitored in real time across System, Sub-Systems, and Disciplines.



SENTINEL

COMMISSIONING COMPLETION

End-to-End Commissioning Management
from Construction to Operational Readiness



OIL & GAS



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MINING



CONSTRUCTION

ITR MANAGEMENT



ITR CREATION

Create ITR

INSPECTION

Inspection Execution

APPROVAL

Review & Approval

COMPLETE

ITR Completed

FEATURES

- Assignment
- Attachment
- Review
- Approval
- Status Tracking



PLATFORM FEATURE

- Dynamic Assignment to Teams / Discipline.
- Multilevel Technical Review
- Digital Sign-off & approval workflow
- Field Attachments (Photo/Docs)
- Unique Punch Item to the ITR
- Live Status & Progress Tracking



SENTINEL

COMMISSIONING COMPLETION

End-to-End Commissioning Management
from Construction to Operational Readiness



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CONSTRUCTION

PUNCH MANAGEMENT



INSPECTION

Inspection
Identified

PUNCH
CREATED

Punch Item
Created

ASSIGNED

Assign to
Responsible Party

RECTIFIED

Correction
Implemented

VERIFIED

Verification &
Validation

CLOSED

Punch Item
Closed



VALUE PROPOSITION

No punch item is lost or forgotten.

ZERO ITEM LOSS

Our integrated punch management ensures that no items are forgotten or left behind. From discovery to closure. Every deficiency is tracked.

Seamless integration between engineering standards and field executions.



➤ Welcome to SENTINEL CMS Window

SENTINEL

SENTINEL CMS

Construction and Completion Management System

Please enter your username and password !

User name

Example : John

Password

Login

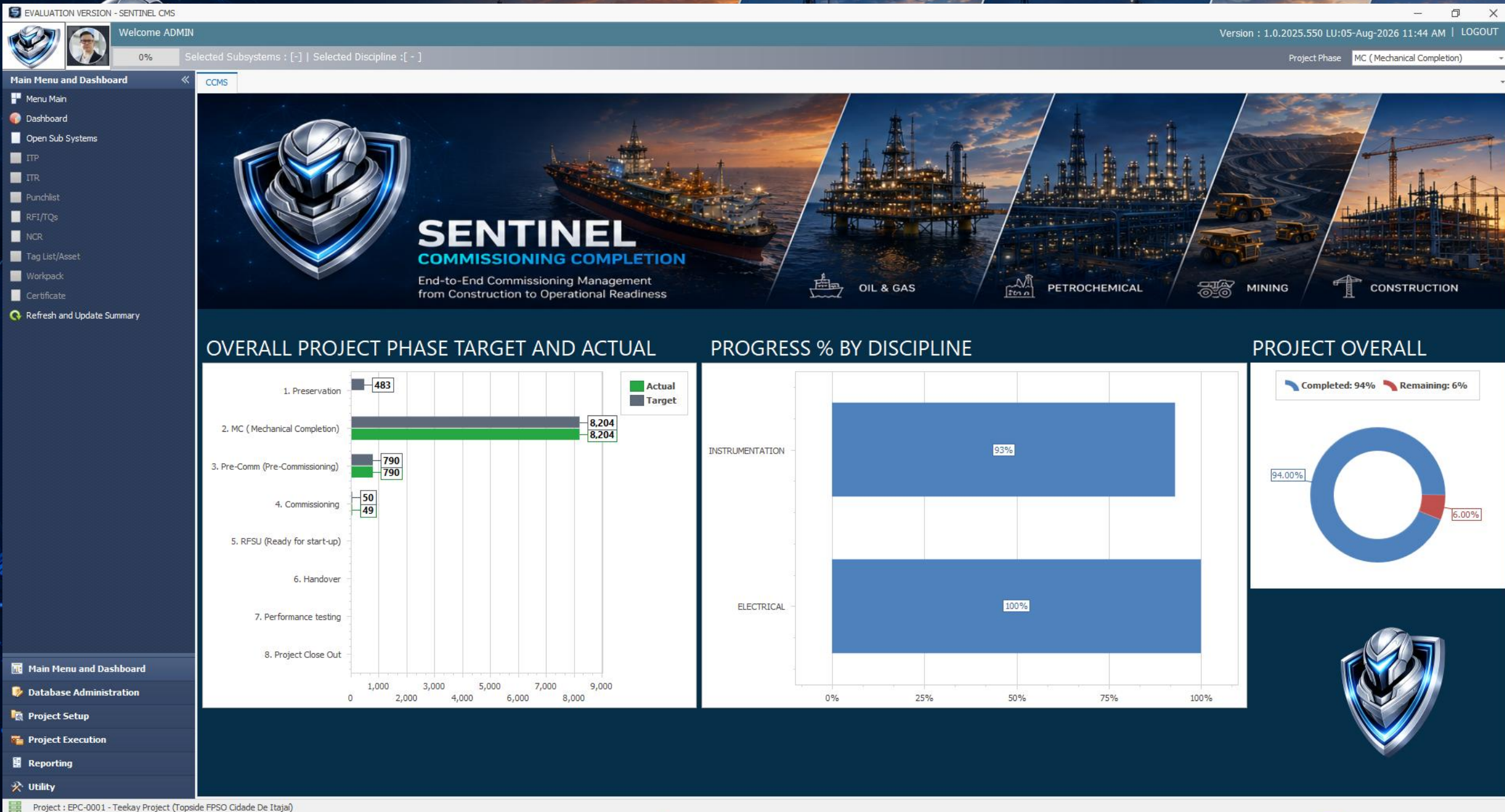
Exit

Server Initialize



SENTINEL [Commissioning Management System].

➤ Application Main Screen and Dashboard



Project Set-up

EVALUATION VERSION - SENTINEL CMS [Add New Project]



Welcome ADMIN

Version : 1.0.2025.550 LU:05-Aug-2026 11:44 AM | LOGOUT

0%

Selected Subsystems : [-] | Selected Discipline :[-]

Project Phase MC (Mechanical Completion)

Project Setup

Add New Project

Allocate Dept/Discpl

Role

Code Setup

Object Group

Object Group Types

Data Area/Function

Object Activity

Plant & Plant Process

System and Sub System

Template Setup (ITP/ITR)

Cable Schedule

Equipment

Instrument

Flange

Line List

Isometric

Pipe Spool

Special Items

Documentation/Reference Register

Workpack

Main Menu and Dashboard

Database Administration

Project Setup

Project Execution

Reporting

Utility

CCMS Add New Project

PROJECT ::: (EPC-0001 - Teekay Project (Topside FPSO Cidade De Itajaí))

Business Unit

Enter text to search...

Find

	Project ID	Description	Type	Start Date	Finish Date	Remarks	Project Manager	Current Period	Project Status
▼	■ ■ c	■ ■ c	■ ■ c	=	=	■ ■ c	■ ■ c	■ ■ c	■ ■ c
▼ Business Unit: EP100 - CMS COMPLETION									
▶	EPC-0001	Teekay Project (Topside FPSO Cid...	Project	08 May 2009	01 Jun 2012		Dallas Hyde	08 May 2009	Open
	LNG-001	Idhthys LNG Project	Project	31 Jan 2013	31 Dec 2016		Dallas Hyde	01 February 2013	Open
▼ Business Unit: P0001 - New Company Name...									
	01	New Project...	Project	19 Dec 2025	28 Dec 2028			19 December 2025	Open
▼ Business Unit: SS41-11 - DUCTING LIST									
	SS41-11	DUCTING	Project	20 Apr 2019	27 Apr 2019	REJECTED SPOOLS	Sahat	20 April 2019	Open

New Edit Delete Preview Close

Project : EPC-0001 - Teekay Project (Topside FPSO Cidade De Itajaí)

➤ Matrix Check sheet Certificate Set-up

EVALUATION VERSION - SENTINEL CMS [Object Group Types]



Welcome ADMIN

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Selected Subsystems : [-] | Selected Discipline :[-]

Version : 1.0.2025.550 LU:05-Aug-2026 11:44 AM | LOGOUT

Project Phase MC (Mechanical Completion)

Project Setup

Add New Project

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Main Menu and Dashboard

Database Administration

Project Setup

Project Execution

Reporting

Utility

CCMS

Add New Project

Object Group

Object Group Types x

Object Group Type

Object Group

Enter text to search... Find

Obj...	Description	Tot...	Tot...
▶ AE01	Area Accept...	4	0
AE02	Area Comple...	0	0
CCT	Light Fitting/...	2	0
E000	Pre-Electrical	1	483
EA01	Electrical - A...	1	0
EB01	Earth Bar	1	0
EC01	High Voltage...	1	0
EC02	Low Voltage...	2	788
EC03	Earthing	1	0
EE01	Generators	2	0
EE02	Transformers	3	1
EE03	Electric Motors	6	28
EE04	LV Switchgear	0	0
EE06	Distribution...	2	0
EE07	Chargers	2	0
EE09	Heaters	3	10
EE10	Control Panels	2	0
EE11	Batteries	2	0
EE12	Bus-Duct	1	0
EE13	Electrical Jun...	2	44
EE14	Protection R...	0	0
EE15	Thermostats...	1	0
EE16	Electrical Co...	0	0
EE17	Motor Opera...	0	0
EE18	Circuit Break...	1	0
EE19	High Voltage...	0	0
EE20	Inverters	2	0
EE21	Voltmeter /...	0	0
EE22	Photo Cell	0	0
EE23	UPS	0	0
EE24	Rectifies	0	0
EE25	Starter	4	0
EE26	Lighting Circuit	0	0
EH01	Heat Tracing	2	0
EL01	Lighting	1	522
EL02	Lighting Out...	2	0

Record 1 of 153

Status Information

Status 1
Status 2
Status 3
Status 4
Status 5
Status 6

Default Activity

Enter text to search... Find

Activity	Cert ID	Project Phase	Resp ID
▶ 043 - Post Test Welding	A03A - EXTERNAL CLADDING AND INSULATION	MC (Mechanical Completion)	Gotman
044 - Final Closure	A04A - SANITARY EQUIPMENT	MC (Mechanical Completion)	Dallas
039 - Alignment	A02A - ARCHITECHTURAL OUTFITTING	MC (Mechanical Completion)	Sahat Siregar
038 - Dried	A01A - Architectural Cladding and Firewalls	MC (Mechanical Completion)	Dedy Herianto Tampubolon

Record 1 of 4

Edit Data End Edit Delete Download to Xls Upload xls to Database

Engineering Data/Assets Library –Cable Schedule

EVALUATION VERSION - SENTINEL CMS [Cable Schedule]



Welcome ADMIN

Version : 1.0.2025.550 LU:05-Aug-2026 12:09 PM | LOGOUT

0%

Selected Subsystems : [-] | Selected Discipline :[-]

Project Phase MC (Mechanical Completion)

Project Setup

Add New Project

Allocate Dept/Discpl

Role

Code Setup

Object Group

Object Group Types

Data Area/Function

Object Activity

Plant & Plant Process

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Pipe Spool

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Documentation/Reference Register

Workpack

Main Menu and Dashboard

Database Administration

Project Setup

Project Execution

Reporting

Utility

CCMS Cable Schedule

Cable Schedule

Enter text to search...

Find

	Cable No	Description	Object Group	Systems	Sub Systems	Discipline	CableRackS...	EngUnits	LengthTare	StartUpSyst...	Status	Future	LiftingGearF
	425RA-J01A-01	INDOOR/OUTDOOR EX-PRF META...	EC02 - Low Voltage Ca...	941 - WATER TREATMENT AND WATER INJECTI...	941.01-WATER TREATMENT	ELECTRICAL							
	425RA-J01A-03	PAGA JUNCTION BOX - 425RA-J0...	EC02 - Low Voltage Ca...	941 - WATER TREATMENT AND WATER INJECTI...	941.01-WATER TREATMENT	ELECTRICAL							
	425RA-J02B-02	PAGA JUNCTION BOX - 425RA-J0...	EC02 - Low Voltage Ca...	941 - WATER TREATMENT AND WATER INJECTI...	941.01-WATER TREATMENT	ELECTRICAL							
▶	425RA-J03A-01	PAGA JUNCTION BOX - 425RA-J0...	EC02 - Low Voltage Ca...	921 - OIL SEPARATION / STABILIZATION TRAIN...	921.01-STABILIZATION OIL PUMPS	ELECTRICAL							
	425RA-J03A-03	INDOOR/OUTDOOR EX-PRF META...	EC02 - Low Voltage Ca...	921 - OIL SEPARATION / STABILIZATION TRAIN...	921.01-STABILIZATION OIL PUMPS	ELECTRICAL							
	425RA-J03A-05	INDOOR/OUTDOOR EX-PRF META...	EC02 - Low Voltage Ca...	921 - OIL SEPARATION / STABILIZATION TRAIN...	921.01-STABILIZATION OIL PUMPS	ELECTRICAL							
	425RA-J03A-07	INDOOR/OUTDOOR EX-PRF META...	EC02 - Low Voltage Ca...	921 - OIL SEPARATION / STABILIZATION TRAIN...	921.01-STABILIZATION OIL PUMPS	ELECTRICAL							
	425RA-J04B-02	INDOOR/OUTDOOR EX-PRF META...	EC02 - Low Voltage Ca...	921 - OIL SEPARATION / STABILIZATION TRAIN...	921.01-STABILIZATION OIL PUMPS	ELECTRICAL							
	425RA-J04B-04	INDOOR/OUTDOOR EX-PRF META...	EC02 - Low Voltage Ca...	921 - OIL SEPARATION / STABILIZATION TRAIN...	921.01-STABILIZATION OIL PUMPS	ELECTRICAL							
	425RA-J04B-06	INDOOR/OUTDOOR EX-PRF META...	EC02 - Low Voltage Ca...	921 - OIL SEPARATION / STABILIZATION TRAIN...	921.01-STABILIZATION OIL PUMPS	ELECTRICAL							
	425RA-J04B-08	PAGA JUNCTION BOX - 425RA-J0...	EC02 - Low Voltage Ca...	921 - OIL SEPARATION / STABILIZATION TRAIN...	921.01-STABILIZATION OIL PUMPS	ELECTRICAL							
	425RA-J06B-02	PAGA JUNCTION BOX - 425RA-J0...	EC02 - Low Voltage Ca...	425 - CALLING/COMMAND/CREW CALL TELEPHO...	425.04-PAGA SYSTEM FLARE & VENT MODULE	ELECTRICAL							
	425RA-J09A-02	INDOOR/OUTDOOR EX-PRF META...	EC02 - Low Voltage Ca...	425 - CALLING/COMMAND/CREW CALL TELEPHO...	425.03-PAGA SYSTEM GAS DEHYDRATION MODULE	ELECTRICAL							
	425RA-J10B-03	INDOOR/OUTDOOR EX-PRF META...	EC02 - Low Voltage Ca...	425 - CALLING/COMMAND/CREW CALL TELEPHO...	425.03-PAGA SYSTEM GAS DEHYDRATION MODULE	ELECTRICAL							
	425RA-J11A-02	PAGA JUNCTION BOX - 425RA-J1...	EC02 - Low Voltage Ca...	901 - MAIN GAS COMPRESSORS	901.01-HP COMPRESSOR SKID A	ELECTRICAL							
	425RA-J12B-01	INDOOR/OUTDOOR EX-PRF META...	EC02 - Low Voltage Ca...	901 - MAIN GAS COMPRESSORS	901.01-HP COMPRESSOR SKID A	ELECTRICAL							
	425RA-J12B-01A	PAGA JUNCTION BOX - 425RA-J1...	EC02 - Low Voltage Ca...	901 - MAIN GAS COMPRESSORS	901.01-HP COMPRESSOR SKID A	ELECTRICAL							
	425RA-J12B-03	INDOOR/OUTDOOR EX-PRF META...	EC02 - Low Voltage Ca...	901 - MAIN GAS COMPRESSORS	901.01-HP COMPRESSOR SKID A	ELECTRICAL							
	425RA-J13A	PAGA JUNCTION BOX - 425RA-J1...	EC02 - Low Voltage Ca...	901 - MAIN GAS COMPRESSORS	901.01-HP COMPRESSOR SKID A	ELECTRICAL							
	425RA-J13A-01	PAGA JUNCTION BOX - 425RA-J1...	EC02 - Low Voltage Ca...	901 - MAIN GAS COMPRESSORS	901.08-HP COMPRESSOR SKID B	ELECTRICAL							
	425RA-J13A-02	INDOOR/OUTDOOR EX-PRF META...	EC02 - Low Voltage Ca...	901 - MAIN GAS COMPRESSORS	901.08-HP COMPRESSOR SKID B	ELECTRICAL							
	811AB-A05	JUNCTION BOX M920 - (811EC001...	EC02 - Low Voltage Ca...	921 - OIL SEPARATION / STABILIZATION TRAIN...	921.01-STABILIZATION OIL PUMPS	ELECTRICAL							
	811AB-A06	JUNCTION BOX M920 - (811EC001...	EC02 - Low Voltage Ca...	921 - OIL SEPARATION / STABILIZATION TRAIN...	921.01-STABILIZATION OIL PUMPS	ELECTRICAL							
	811AB-A07	JUNCTION BOX M920 - (811EC001...	EC02 - Low Voltage Ca...	921 - OIL SEPARATION / STABILIZATION TRAIN...	921.01-STABILIZATION OIL PUMPS	ELECTRICAL							
	811AB-A08	JUNCTION BOX M920 - (811EC001...	EC02 - Low Voltage Ca...	921 - OIL SEPARATION / STABILIZATION TRAIN...	921.01-STABILIZATION OIL PUMPS	ELECTRICAL							
	811AB-A09	JUNCTION BOX M920 - (811EC001...	EC02 - Low Voltage Ca...	921 - OIL SEPARATION / STABILIZATION TRAIN...	921.01-STABILIZATION OIL PUMPS	ELECTRICAL							
	811AB-A10	JUNCTION BOX M920 - (811EC001...	EC02 - Low Voltage Ca...	921 - OIL SEPARATION / STABILIZATION TRAIN...	921.01-STABILIZATION OIL PUMPS	ELECTRICAL							
	811AB-A11	JUNCTION BOX M920 - (811EC001...	EC02 - Low Voltage Ca...	921 - OIL SEPARATION / STABILIZATION TRAIN...	921.01-STABILIZATION OIL PUMPS	ELECTRICAL							
	811AB-A12	JUNCTION BOX M920 - (811EC001...	EC02 - Low Voltage Ca...	921 - OIL SEPARATION / STABILIZATION TRAIN...	921.01-STABILIZATION OIL PUMPS	ELECTRICAL							
	811AB-A13	JUNCTION BOX M920 - (811EC001...	EC02 - Low Voltage Ca...	921 - OIL SEPARATION / STABILIZATION TRAIN...	921.01-STABILIZATION OIL PUMPS	ELECTRICAL							
	811AB-A14	JUNCTION BOX M920 - (811EC001...	EC02 - Low Voltage Ca...	921 - OIL SEPARATION / STABILIZATION TRAIN...	921.01-STABILIZATION OIL PUMPS	ELECTRICAL							
	811AB-A15	JUNCTION BOX M920 - (811EC001...	EC02 - Low Voltage Ca...	921 - OIL SEPARATION / STABILIZATION TRAIN...	921.01-STABILIZATION OIL PUMPS	ELECTRICAL							
	811AB-A19	JUNCTION BOX M902 - (811EC001...	EC02 - Low Voltage Ca...	902 - GAS DEHYDRATION	902.01-GLYCOL REBOILER	ELECTRICAL							
	811AB-A20	JUNCTION BOX M902 - (811EC001...	EC02 - Low Voltage Ca...	902 - GAS DEHYDRATION	902.01-GLYCOL REBOILER	ELECTRICAL							

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Edit Data

End Edit

Delete

Preview

Download Template

Upload to Database

Engineering Data/Assets Library – Equipment

EVALUATION VERSION - SENTINEL CMS [Equipment]



Welcome ADMIN

Version : 1.0.2025.550 LU:05-Aug-2026 12:13 PM | LOGOUT

0%

Selected Subsystems : [-] | Selected Discipline :[-]

Project Phase MC (Mechanical Completion)

Project Setup

- Add New Project
- Allocate Dept/Discpl

Role

- Code Setup
- Object Group
- Object Group Types
- Data Area/Function
- Object Activity

- Plant & Plant Process
- System and Sub System

Template Setup (ITP/ITR)

Cable Schedule

Equipment

- Instrument
- Flange
- Line List
- Isometric
- Pipe Spool
- Special Items
- Documentation/Reference Register
- Workpack

Main Menu and Dashboard

Database Administration

Project Setup

Project Execution

Reporting

Utility

CCMS

Equipment

Equipments

Enter text to search...

Find

Tag Number	Parent Tag/Package No	Description	Object Group	Systems	Sub Systems Description	Discipline	Drawing Re...	Area	Location	PID No	Rev
425RA-J09A		PAGA JUNCTION BOX	EE13 - Elect...	425 - CALLING/COMMAND/CREW CALL TELEPHONE PL...	425.03-PAGA SYSTEM GAS DEHYDRATION MODULE	INSTRUMEN...		GAS DEHYD...	GAS DEHYD...		
425RA-J09A-04		INDOOR/OUTDOOR EX-PRF MET...	TE06 - PAG...	425 - CALLING/COMMAND/CREW CALL TELEPHONE PL...	425.03-PAGA SYSTEM GAS DEHYDRATION MODULE	INSTRUMEN...		GAS DEHYD...	GAS DEHYD...		
425RA-J10B		PAGA JUNCTION BOX	EE13 - Elect...	425 - CALLING/COMMAND/CREW CALL TELEPHONE PL...	425.03-PAGA SYSTEM GAS DEHYDRATION MODULE	INSTRUMEN...		GAS DEHYD...	GAS DEHYD...		
425RA-J10B-01		INDOOR/OUTDOOR EX-PRF MET...	TE06 - PAG...	425 - CALLING/COMMAND/CREW CALL TELEPHONE PL...	425.03-PAGA SYSTEM GAS DEHYDRATION MODULE	INSTRUMEN...		GAS DEHYD...	GAS DEHYD...		
811EC001-J09		JUNCTION BOX M902	EE13 - Elect...	902 - GAS DEHYDRATION	902.01-GLYCOL REBOILER	INSTRUMEN...					
811EC001-J14		JUNCTION BOX M930	EE13 - Elect...	931 - HP FLARE	931.02-HP FLARE LIGHTING	INSTRUMEN...					
872EL201-06-J01		WATER INJECTION EMERGENCY...	EE13 - Elect...	941 - WATER TREATMENT AND WATER INJECTION	941.10-WATER INJECTION	INSTRUMEN...					
872EL201-06-L01		WATER INJECTION EMERGENCY...	EL01 - Lighti...	941 - WATER TREATMENT AND WATER INJECTION	941.10-WATER INJECTION	INSTRUMEN...					
872EL201-06-L02		WATER INJECTION EMERGENCY...	EL01 - Lighti...	941 - WATER TREATMENT AND WATER INJECTION	941.10-WATER INJECTION	INSTRUMEN...					
872EL201-06-L03		WATER INJECTION EMERGENCY...	EL01 - Lighti...	941 - WATER TREATMENT AND WATER INJECTION	941.10-WATER INJECTION	INSTRUMEN...					
872EL201-06-L04		WATER INJECTION EMERGENCY...	EL01 - Lighti...	941 - WATER TREATMENT AND WATER INJECTION	941.10-WATER INJECTION	INSTRUMEN...					
872EL201-06-L05		WATER INJECTION EMERGENCY...	EL01 - Lighti...	941 - WATER TREATMENT AND WATER INJECTION	941.10-WATER INJECTION	INSTRUMEN...					
872EL201-06-L06		WATER INJECTION EMERGENCY...	EL01 - Lighti...	941 - WATER TREATMENT AND WATER INJECTION	941.10-WATER INJECTION	INSTRUMEN...					
872EL201-06-L07		WATER INJECTION EMERGENCY...	EL01 - Lighti...	941 - WATER TREATMENT AND WATER INJECTION	941.10-WATER INJECTION	INSTRUMEN...					
872EL201-06-L08		WATER INJECTION EMERGENCY...	EL01 - Lighti...	941 - WATER TREATMENT AND WATER INJECTION	941.10-WATER INJECTION	INSTRUMEN...					
872EL201-06-L09		WATER INJECTION EMERGENCY...	EL01 - Lighti...	941 - WATER TREATMENT AND WATER INJECTION	941.10-WATER INJECTION	INSTRUMEN...					
872EL201-06-L10		WATER INJECTION EMERGENCY...	EL01 - Lighti...	941 - WATER TREATMENT AND WATER INJECTION	941.10-WATER INJECTION	INSTRUMEN...					
872EL201-13-J01		Emergency Lighting Junction Box	EE13 - Elect...	922 - OIL SEPARATION / STABILIZATION TRAIN 'B'	922.05-LIGHTINGS	INSTRUMEN...		Main Deck	Main Deck		
872EL201-13-L01		Emergency Lighting #1	EL01 - Lighti...	922 - OIL SEPARATION / STABILIZATION TRAIN 'B'	922.05-LIGHTINGS	INSTRUMEN...		Main Deck	Main Deck		
872EL201-13-L02		Emergency Lighting #2	EL01 - Lighti...	922 - OIL SEPARATION / STABILIZATION TRAIN 'B'	922.05-LIGHTINGS	INSTRUMEN...		Main Deck	Main Deck		
872EL201-13-L03		Emergency Lighting #3	EL01 - Lighti...	922 - OIL SEPARATION / STABILIZATION TRAIN 'B'	922.05-LIGHTINGS	INSTRUMEN...		Main Deck	Main Deck		
872EL201-13-L04		Emergency Lighting #4	EL01 - Lighti...	922 - OIL SEPARATION / STABILIZATION TRAIN 'B'	922.05-LIGHTINGS	INSTRUMEN...		Main Deck	Main Deck		
872EL201-13-L05		Emergency Lighting #5	EL01 - Lighti...	922 - OIL SEPARATION / STABILIZATION TRAIN 'B'	922.05-LIGHTINGS	INSTRUMEN...		Main Deck	Main Deck		
872EL201-13-L06		Emergency Lighting #6	EL01 - Lighti...	922 - OIL SEPARATION / STABILIZATION TRAIN 'B'	922.05-LIGHTINGS	INSTRUMEN...		Main Deck	Main Deck		
872EL201-13-L07		Emergency Lighting #7	EL01 - Lighti...	922 - OIL SEPARATION / STABILIZATION TRAIN 'B'	922.05-LIGHTINGS	INSTRUMEN...		Main Deck	Main Deck		
872EL201-13-L08		Emergency Lighting #8	EL01 - Lighti...	922 - OIL SEPARATION / STABILIZATION TRAIN 'B'	922.05-LIGHTINGS	INSTRUMEN...		Main Deck	Main Deck		
872EL201-13-L09		Emergency Lighting #9	EL01 - Lighti...	922 - OIL SEPARATION / STABILIZATION TRAIN 'B'	922.05-LIGHTINGS	INSTRUMEN...		Main Deck	Main Deck		
872EL201-13-L10		Emergency Lighting #10	EL01 - Lighti...	922 - OIL SEPARATION / STABILIZATION TRAIN 'B'	922.05-LIGHTINGS	INSTRUMEN...		Main Deck	Main Deck		
872EL201-13-L11		Emergency Lighting #11	EL01 - Lighti...	922 - OIL SEPARATION / STABILIZATION TRAIN 'B'	922.05-LIGHTINGS	INSTRUMEN...		Main Deck	Main Deck		
872EL201-13-L12		Emergency Lighting #12	EL01 - Lighti...	922 - OIL SEPARATION / STABILIZATION TRAIN 'B'	922.05-LIGHTINGS	INSTRUMEN...		Main Deck	Main Deck		
872EL201-13-L13		Emergency Lighting #13	EL01 - Lighti...	922 - OIL SEPARATION / STABILIZATION TRAIN 'B'	922.05-LIGHTINGS	INSTRUMEN...		Main Deck	Main Deck		
872EL201-13-L14		Emergency Lighting #14	EL01 - Lighti...	922 - OIL SEPARATION / STABILIZATION TRAIN 'B'	922.05-LIGHTINGS	INSTRUMEN...		Main Deck	Main Deck		
872EL201-13-L15		Emergency Lighting #15	EL01 - Lighti...	922 - OIL SEPARATION / STABILIZATION TRAIN 'B'	922.05-LIGHTINGS	INSTRUMEN...		Main Deck	Main Deck		
872EL201-13-L16		Emergency Lighting #16	EL01 - Lighti...	922 - OIL SEPARATION / STABILIZATION TRAIN 'B'	922.05-LIGHTINGS	INSTRUMEN...		Main Deck	Main Deck		

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Edit Data

End Edit

Delete

Preview

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Engineering Data/Assets Library – Instrument

EVALUATION VERSION - SENTINEL CMS [Instrument]



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Selected Subsystems : [-] | Selected Discipline : [-]

Project Phase MC (Mechanical Completion)

Project Setup

Add New Project

Allocate Dept/Discpl

Role

Code Setup

Object Group

Object Group Types

Data Area/Function

Object Activity

Plant & Plant Process

System and Sub System

Template Setup (ITP/ITR)

Cable Schedule

Equipment

Instrument

Flange

Line List

Isometric

Pipe Spool

Special Items

Documentation/Reference Register

Workpack

Main Menu and Dashboard

Database Administration

Project Setup

Project Execution

Reporting

Utility

CCMS

Instrument

Instrument

Enter text to search... Find

	Instrument ID	Description	Object Group	Systems	Sub System Description	Discipline	Instrument...	PID No	PID Rev	Location	Line Number	IO Type	Service	Equipmen
	901-EY-137C	SOLENOID VALVE FOR 901SDV137C - PSD		901 - MAIN GAS COMPRESSORS	901.21-INSTRUMENTS COMPRESSOR SKID C	INSTRUMEN...	SOLENOID...	GSI-375-1103		GAS COMP...	901-SDV-13...		SOLENOID...	
	901-FE-155C	COMP OIL SUMP 901TG102 HEATER		901 - MAIN GAS COMPRESSORS	901.21-INSTRUMENTS COMPRESSOR SKID C	INSTRUMEN...	ELECTRIC H...	GSI-375-1105		GAS COMP...	901-TG-102C		COMP OIL S...	
	901-FSLL-15...	COMPRESSOR LUBRICATOR FLOW	I01 - Instru...	901 - MAIN GAS COMPRESSORS	901.21-INSTRUMENTS COMPRESSOR SKID C	INSTRUMEN...	FLOW SWIT...	GSI-375-1105		GAS COMP...	901KA101C		COMPRESS...	
	901-FSLL-15...	COMPRESSOR LUBRICATOR FLOW	I01 - Instru...	901 - MAIN GAS COMPRESSORS	901.21-INSTRUMENTS COMPRESSOR SKID C	INSTRUMEN...	FLOW SWIT...	GSI-375-1105		GAS COMP...	901KA101C		COMPRESS...	
	901-HS-111C	COOLER FANS (START/STOP)	JE15 - Instr...	901 - MAIN GAS COMPRESSORS	901.21-INSTRUMENTS COMPRESSOR SKID C	INSTRUMEN...	EMERGENC...	GSI-375-1101		GAS COMP...	901HC101C...		COOLER FA...	
	901-HS-112C	COOLER FANS (START/STOP)	JE15 - Instr...	901 - MAIN GAS COMPRESSORS	901.21-INSTRUMENTS COMPRESSOR SKID C	INSTRUMEN...	EMERGENC...	GSI-375-1101		GAS COMP...	901HC101C...		COOLER FA...	
	901-HS-151C	AUX OIL PUMP ELECTRIC MOTORS (STA...	JE15 - Instr...	901 - MAIN GAS COMPRESSORS	901.21-INSTRUMENTS COMPRESSOR SKID C	INSTRUMEN...	EMERGENC...	GSI-375-1105		GAS COMP...	901PG102C		AUX OIL PU...	
	901-HS-161C	MAIN COMPRESSOR ELECTRIC MOTOR...	JE15 - Instr...	901 - MAIN GAS COMPRESSORS	901.21-INSTRUMENTS COMPRESSOR SKID C	INSTRUMEN...	EMERGENC...	GSI-375-1106		GAS COMP...	901KA101...		MAIN COMP...	
	901-HS-162C	PACKING WATER PUMP(START/STOP)	JE15 - Instr...	901 - MAIN GAS COMPRESSORS	901.21-INSTRUMENTS COMPRESSOR SKID C	INSTRUMEN...	EMERGENC...	GSI-375-1106		GAS COMP...	901PA103C...		PACKING W...	
	901-HS-6510C	MAIN COMPRESSOR ELECTRIC MOTOR...	JE15 - Instr...	901 - MAIN GAS COMPRESSORS	901.21-INSTRUMENTS COMPRESSOR SKID C	INSTRUMEN...	EMERGENC...	GSI-375-1106		GAS COMP...	901KA101-...		MAIN COMP...	
	901-LG-112C	1st STG SUC SCRBR LEVEL	I05 - Instru...	901 - MAIN GAS COMPRESSORS	901.21-INSTRUMENTS COMPRESSOR SKID C	INSTRUMEN...	LEVEL GAU...	GSI-375-1101		GAS COMP...	901VG101C		1st STG SU...	
	901-LG-122C	2nd STG SUC SCRBR LEVEL	I05 - Instru...	901 - MAIN GAS COMPRESSORS	901.21-INSTRUMENTS COMPRESSOR SKID C	INSTRUMEN...	LEVEL GAU...	GSI-375-1102		GAS COMP...	901VG102C		2nd STG SU...	
	901-LG-132C	3rd STG SUC SCRBR LEVEL	I05 - Instru...	901 - MAIN GAS COMPRESSORS	901.21-INSTRUMENTS COMPRESSOR SKID C	INSTRUMEN...	LEVEL GAU...	GSI-375-1103		GAS COMP...	901VG103C		3rd STG SU...	
	901-LG-142C	4th STG SUC SCRBR LEVEL	I05 - Instru...	901 - MAIN GAS COMPRESSORS	901.21-INSTRUMENTS COMPRESSOR SKID C	INSTRUMEN...	LEVEL GAU...	GSI-375-1104		GAS COMP...	901VG104C		4th STG SU...	
	901-LG-151C	LUBRICATING OIL RESERVOIR LEVEL	I05 - Instru...	901 - MAIN GAS COMPRESSORS	901.21-INSTRUMENTS COMPRESSOR SKID C	INSTRUMEN...	LEVEL GAU...	GSI-375-1105		GAS COMP...	901TB101C		LUBRICATI...	
	901-LG-152C	IN SKID OIL SUMP LEVEL	I05 - Instru...	901 - MAIN GAS COMPRESSORS	901.21-INSTRUMENTS COMPRESSOR SKID C	INSTRUMEN...	LEVEL GAU...	GSI-375-1105		GAS COMP...	901TG102C		IN SKID OIL...	
	901-LT-114C	1st STG SUC SCRBR LEVEL	JE01 - Instr...	901 - MAIN GAS COMPRESSORS	901.21-INSTRUMENTS COMPRESSOR SKID C	INSTRUMEN...	DP TYPE LE...	GSI-375-1101		GAS COMP...	901VG101C		1st STG SU...	
	901-LT-124C	2nd STG SUC SCRBR LEVEL	JE01 - Instr...	901 - MAIN GAS COMPRESSORS	901.21-INSTRUMENTS COMPRESSOR SKID C	INSTRUMEN...	DP TYPE LE...	GSI-375-1102		GAS COMP...	901VG102C		2nd STG SU...	
	901-LT-134C	3rd STG SUC SCRBR LEVEL	JE01 - Instr...	901 - MAIN GAS COMPRESSORS	901.21-INSTRUMENTS COMPRESSOR SKID C	INSTRUMEN...	DP TYPE LE...	GSI-375-1103		GAS COMP...	901VG103C		3rd STG SU...	
	901-LT-144C	4th STG SUC SCRBR LEVEL	JE01 - Instr...	901 - MAIN GAS COMPRESSORS	901.21-INSTRUMENTS COMPRESSOR SKID C	INSTRUMEN...	DP TYPE LE...	GSI-375-1104		GAS COMP...	901VG104C		4th STG SU...	
	901-LV-114C	1st STG SCRBR DRAIN CONTROL VLV	JE04 - Othe...	901 - MAIN GAS COMPRESSORS	901.21-INSTRUMENTS COMPRESSOR SKID C	INSTRUMEN...	CONTROL V...	GSI-375-1101		GAS COMP...	901-2"-PL-1...		1st STG SC...	
	901-LV-124C	2nd STG SCRBR DRAIN CONTROL VLV	JE04 - Othe...	901 - MAIN GAS COMPRESSORS	901.21-INSTRUMENTS COMPRESSOR SKID C	INSTRUMEN...	CONTROL V...	GSI-375-1102		GAS COMP...	901-2"-PL-1...		2nd STG SC...	
	901-LV-134C	3rd STG SCRBR DRAIN CONTROL VLV	JE04 - Othe...	901 - MAIN GAS COMPRESSORS	901.21-INSTRUMENTS COMPRESSOR SKID C	INSTRUMEN...	CONTROL V...	GSI-375-1103		GAS COMP...	901-2"-PL-1...		3rd STG SC...	
	901-LV-144C	4th STG SCRBR DRAIN CONTROL VLV	JE04 - Othe...	901 - MAIN GAS COMPRESSORS	901.21-INSTRUMENTS COMPRESSOR SKID C	INSTRUMEN...	CONTROL V...	GSI-375-1104		GAS COMP...	901-2"-PL-1...		4th STG SC...	
	901-LZT-113C	1st STG SCRBR LEVEL	JE01 - Instr...	901 - MAIN GAS COMPRESSORS	901.21-INSTRUMENTS COMPRESSOR SKID C	INSTRUMEN...	DISPLACER...	GSI-375-1101		GAS COMP...	901VG101C		1st STG SC...	
	901-LZT-121C	2nd STG SUC SCRBR LEVEL	JE01 - Instr...	901 - MAIN GAS COMPRESSORS	901.21-INSTRUMENTS COMPRESSOR SKID C	INSTRUMEN...	DISPLACER...	GSI-375-1102		GAS COMP...	901VG102C		2nd STG SU...	
	901-LZT-133C	3rd STG SUC SCRBR LEVEL	JE01 - Instr...	901 - MAIN GAS COMPRESSORS	901.21-INSTRUMENTS COMPRESSOR SKID C	INSTRUMEN...	DISPLACER...	GSI-375-1103		GAS COMP...	901VG103C		3rd STG SU...	
	901-LZT-141C	4th STG SUC SCRBR LEVEL	JE01 - Instr...	901 - MAIN GAS COMPRESSORS	901.21-INSTRUMENTS COMPRESSOR SKID C	INSTRUMEN...	DISPLACER...	GSI-375-1104		GAS COMP...	901VG104C		4th STG SU...	
	901-LZT-152C	IN SKID OIL SUMP LEVEL	JE01 - Instr...	901 - MAIN GAS COMPRESSORS	901.21-INSTRUMENTS COMPRESSOR SKID C	INSTRUMEN...	DP TYPE LE...	GSI-375-1105		GAS COMP...	901TG102C		IN SKID OIL...	
	901-LZT-153C	LUBRICATING OIL RESERVOIR LEVEL	JE01 - Instr...	901 - MAIN GAS COMPRESSORS	901.21-INSTRUMENTS COMPRESSOR SKID C	INSTRUMEN...	DP TYPE LE...	GSI-375-1105		GAS COMP...	901TB101C		LUBRICATI...	
	901-PCV-161C	MOTOR BEARING OIL REGULATOR	JE04 - Othe...	901 - MAIN GAS COMPRESSORS	901.21-INSTRUMENTS COMPRESSOR SKID C	INSTRUMEN...	SELF ACTU...	GSI-375-1106		GAS COMP...	901-3/4"-L...		MOTOR BE...	
	901-PCV-162C	MOTOR BEARING OIL REGULATOR	JE04 - Othe...	901 - MAIN GAS COMPRESSORS	901.21-INSTRUMENTS COMPRESSOR SKID C	INSTRUMEN...	SELF ACTU...	GSI-375-1106		GAS COMP...	901-3/4"-L...		MOTOR BE...	
	901-PI-110C	1st STG SUC SCRBR PRESSURE		901 - MAIN GAS COMPRESSORS	901.21-INSTRUMENTS COMPRESSOR SKID C	INSTRUMEN...	PRESSURE...	GSI-375-1101		GAS COMP...	901VG101C		1st STG SU...	
	901-PI-122C	2nd STG SUC SCRBR PRESSURE		901 - MAIN GAS COMPRESSORS	901.21-INSTRUMENTS COMPRESSOR SKID C	INSTRUMEN...	PRESSURE...	GSI-375-1102		GAS COMP...	901VG102C		2nd STG SU...	

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Edit Data End Edit Delete Preview Download Template Upload to Database

➤ Import/Export Excel Template

Import Excel



Import Excel Utility

This feature help database administrator to import excel file to the database.

NOTE : Acceptable Date Formats in Spreadsheet and Database are dd-MMM-yyyy eg:20-Jul-2012 or dd-MMMM-yyyy eg:20-July-2012

Review Data Failed To Import

☒ CCMS Instrument

New Records

Drag a column header here to group by that column

Enter text to search...

Find

	select	instrume...	Description	Object Gr...	Sub Syste...	Discipline	Discipline...	Sub Syste...	objectgro...	Instrume...	PIDNo	PID Rev	Location	Line Num...	IO Type	Service	Equipmen...	Loop No	Area Clas...	Model	Manufact...	PONo	Comments	Low Range	High Range
	☒	B-204-KT-0...	Stand By Ve...	E000		INSTRUMEN...	I	901.21	E000																
	☒	B-671-P-00...	SEAWATER...	E000		INSTRUMEN...	I	921.05	E000																
	☒	B-254-K-00...	Off-Gas Co...	E000		INSTRUMEN...	I	931.14	E000																
	☒	B-202-K-00...	SEAL GAS B...	E000		INSTRUMEN...	I	922.04	E000																
	☒	B-671-P-00...	SEAWATER...	E000		INSTRUMEN...	I	922.07	E000																
	☒	B-650-TR-0...	11KV/720V...	E000		INSTRUMEN...	I	921.08	E000																
	☒	B-871-XX-012	BALCONY M...	E000		INSTRUMEN...	I	924.04	E000																
	☒	B-283-ESDV...	FLASH GAS/...	E000		INSTRUMEN...	I	925.04	E000																
	☒	B-757-PM-0...	NON-HAZA...	E000		INSTRUMEN...	I	941.10	E000																
	☒	B-650-TR-0...	11KV/720V...	E000		INSTRUMEN...	I	941.23	E000																
▶	☒	B-199-E-00...	Liquid Expor...	E000		INSTRUMEN...	I	923.04	E000																
	☒	B-671-TEMP...	TMEP SWLP...	E000		INSTRUMEN...	I	901.21	E000																
	☒	B-204-E-001	Gas Export...	E000		INSTRUMEN...	I	921.05	E000																
	☒	B-780-SB-1...	Cubicle(B-6...	E000		INSTRUMEN...	I	931.14	E000																
	☒	B-650-V-001	Cooling Med...	E000		INSTRUMEN...	I	922.04	E000																
	☒	B-201-E-001	Gas Export...	E000		INSTRUMEN...	I	922.07	E000																
	☒	B-671-P-00...	SEAWATER...	E000		INSTRUMEN...	I	921.08	E000																
	☒	B-202-E-001	Gas Export...	E000		INSTRUMEN...	I	924.04	E000																
	☒	B-690-A-001	Nitrogen Ge...	E000		INSTRUMEN...	I	925.04	E000																
	☒	B-203-DB-002	GEC3 Exd D...	E000		INSTRUMEN...	I	941.10	E000																
	☒	B-690-A-002	NITROGEN...	E000		INSTRUMEN...	I	941.23	E000																
	☒	B-204-DB-002	GEC4 Exd D...	E000		INSTRUMEN...	I	923.04	E000																
	☒	B-690-V-001	Nitrogen Re...	E000		INSTRUMEN...	I	901.21	E000																
	☒	B-202-DB-002	GEC2 Exd D...	E000		INSTRUMEN...	I	921.05	E000																
	☒	B-707-F-001	LP Flare Tip	E000		INSTRUMEN...	I	931.14	E000																
	☒	B-203-E-001	Gas Export...	E000		INSTRUMEN...	I	922.04	E000																
	☒	B-708-F-001	HP Sonic Fla...	E000		INSTRUMEN...	I	922.07	E000																
	☒	B-202-KT-0...	Stand By Ve...	E000		INSTRUMEN...	I	921.08	E000																
	☒	B-741-PM-0...	TEG Circulat...	E000		INSTRUMEN...	I	924.04	E000																
	☒	B-201-DB-002	GEC1 Exd D...	E000		INSTRUMEN...	I	925.04	E000																
	☒	B-761-P-00...	Motor for Z...	E000		INSTRUMEN...	I	941.10	E000																
	☒	B-738-A-001	MEG Injecti...	E000		INSTRUMEN...	I	941.23	E000																

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☐ Select All

Browse Excel File

Import To Database

Close

System-Subsystem Set-up

EVALUATION VERSION - SENTINEL CMS [System and Sub System]



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Selected Subsystems : [-] | Selected Discipline :[-]

Project Phase MC (Mechanical Completion)

Project Setup

Add New Project

Allocate Dept/Discpl

Role

Code Setup

Object Group

Object Group Types

Data Area/Function

Object Activity

Plant & Plant Process

System and Sub System

Template Setup (ITP/ITR)

Cable Schedule

Equipment

Instrument

Flange

Line List

Isometric

Pipe Spool

Special Items

Documentation/Reference Register

Workpack

Main Menu and Dashboard

Database Administration

Project Setup

Project Execution

Reporting

Utility

CCMS Instrument Cable Schedule Equipment System and Sub System

SYSTEM / SUB SYSTEM

Project ID	Plant No	Plant Process No	System No.	Systems Name	Priority	Comm. Plan...	Comm. Actual...	SF 1	Comment	Remarks	Location	System Catego...	System Function
			33	DECK CRANES FOR CARGO									
			331	ROTATING CRANES W/CRANE PILLARS									
			332	ROATING TRAVELLING CRANES W/RAILS									
			333	TRAVELLING TRAVERSE CRANES W/RAILS									
			334	OTHER CRANES									
			35	LOADING/DISCHARGING SYSTEMS FOR LIQUID...									
			351	CARGO PUMPS									
				Sub System No						Sub System Description		Remarks	On Hold
			351.01							CARGO PUMPS		351	
			352	LOADING/DISCHARGING SYSTEMS ON DECK									
			353	POADING/DISCHARGING SYSTEMS IN PUMP RO...									
			354	LOADING/DISCHARGING SYSTEMS IN CARGO T...									
				Sub System No						Sub System Description		Remarks	On Hold
			354.01							ROSEMOUNT TANKRADAR		354	
			355	LOADING/DISCHARGING SYSTEMS FOR LPG/LN...									
			356	SEPARATE STRIPPING SYSTEMS									
			357	MUD SYSTEMS W/PUMPS, PIPINGS									
			36	FREEZING, REFRIGERATING & HEATING SYSTE...									
			361	INSULATION & SHEATHING OF CARGO HOLDS/...									
			365	CARGO OIL HEATER									
				Sub System No						Sub System Description		Remarks	On Hold
			365.01							CARGO OIL HEATER		365	
			37	GAS/VENTILATION SYSTEMS FOR CARGO HOL...									
			374	VENT./GAS FREEING SYSTEMS FOR TANKS, WI...									
			375	BLOW-OFF SYSTE. FROM SAFETY VALVES (PRE...									
			376	INERT GAS SYSTEMS W/CONDITIONING PLANT									
				Sub System No						Sub System Description		Remarks	On Hold
			376.01							INERT GAS FANS		376	
			38	AUXILLIARY SYSTEMS & EQUIPMENT FOR CAR...									
			381	SOUNDING, SURVEIL. & OPERATION EQUIPME...									
			382	TANKS CLEANING SYSTEMS & EQUIPMENT									
			383	OFFLOADING HOSE/HOSE REEL/LIFTING GEAR...									
			384	SEPARATE COOLING WATER SYSTEMS FOR CA...									

Record 158 of 454

Download to Xls

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Edit

Delete

Save

Cancel

Preview

Close

➤ ITR/Checksheet item Set-up

Setup ITR

Discipline:

Cert. ID: Rev.:

Description:

Cert Phase: ☒ Valid for this project ?



Code #

Check List Items Certificate Setup Image On ITR

Enter text to search... Find

Delete selected rows

Paste records from Clipboard

	Item	Description	Bold	Special	Row Color Code
01		Check Equipment and Nameplate details are correct in accordance with the data sheet	☐		
02		Holding down arrangement are correct	☐		
03		Check for mechanical damage	☐		
04		Earth bar and earthing correct and tight	☐		
05		Tightness of circuit connection	☐		
06		All internal cabling and wiring is correctly numbered, colour coded and terminated	☐		
07		Ammeter scale and current transformer correct	☐		
08		Check internals for cleanliness	☐		
09		Check manual operation of selector switch, MCB, push button, etc	☐		
10		Incoming cable correctly glanded, terminated and labelled	☐		
11		Unused holes are sealed	☐		
▶ 12		Check grounding correct	☐		
13		Fuse rating correct	☐		
14		Padlocking facilities correct (if applicable)	☐		
15		Heaters correctly installed	☐		
★			☒		

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Save Close

➤ Open Project-System-Subsystem Data

EVALUATION VERSION - SENTINEL CMS [Open Sub Systems]



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Selected Subsystems : [-] | Selected Discipline :[- -]

Project Phase MC (Mechanical Completion)

Main Menu and Dashboard

Menu Main

Dashboard

Open Sub Systems

ITP

ITR

Punchlist

RFI/TQs

NCR

Tag List/Asset

Workpack

Certificate

Refresh and Update Summary

CCMS

Open Sub Systems

Filter Area

System -All-

Card View

Table View

Enter text to search...

Find



Open Dashboard In Power BI

Sub Systems:	941.07-WATER TREATMENT FILTERS		
Systems :	941-WATER TREAT...	Discipline:	ELECTRICAL
Progress:	100.0		
Total Pending:	0	Total In-Progress:	0
Total:	6	Total Completed:	6
Start Date:	21-Apr-26	Date Finish:	09-Jul-26
Open this sub-system >>:			

Sub Systems:	901.01-HP COMPRESSOR SKID A		
Systems :	901-MAIN GAS CO...	Discipline:	ELECTRICAL
Progress:	100.0		
Total Pending:	0	Total In-Progress:	0
Total:	28	Total Completed:	28
Start Date:	22-Apr-26	Date Finish:	18-Jul-26
Open this sub-system >>:			

Sub Systems:	901.08-HP COMPRESSOR SKID B		
Systems :	901-MAIN GAS CO...	Discipline:	INSTRUMENTATI...
Progress:	100.0		
Total Pending:	0	Total In-Progress:	0
Total:	20	Total Completed:	20
Start Date:	26-Apr-26	Date Finish:	17-Jul-26
Open this sub-system >>:			

Sub Systems:	932.01-LP FLARE LV MOTORS		
Systems :	932-LP FLARE	Discipline:	INSTRUMENTATI...
Progress:	100.0		
Total Pending:	0	Total In-Progress:	0
Total:	12	Total Completed:	12
Start Date:	22-Apr-26	Date Finish:	21-Jul-26
Open this sub-system >>:			

Sub Systems:	921.10-LAUNCHER LIGHTINGS (TRAIN 'A')		
Systems :	921-OIL SEPARATI...	Discipline:	ELECTRICAL
Progress:	100.0		
Total Pending:	0	Total In-Progress:	0
Total:	258	Total Completed:	258
Start Date:	21-Apr-26	Date Finish:	21-Jul-26
Open this sub-system >>:			

Sub Systems:	921.08-LAUNCHER INSTRUMENT (TRAIN 'A')		
Systems :	921-OIL SEPARATI...	Discipline:	INSTRUMENTATI...
Progress:	94.0		
Total Pending:	44	Total In-Progress:	0
Total:	798	Total Completed:	754
Start Date:	21-Apr-26	Date Finish:	21-Jul-26
Open this sub-system >>:			

Sub Systems:	931.14-SAFETY KO DRUM SKID (INSTRUMENTS)		
Systems :	931-HP FLARE	Discipline:	INSTRUMENTATI...
Progress:	59.0		
Total Pending:	44	Total In-Progress:	1
Total:	109	Total Completed:	64
Start Date:	21-Apr-26	Date Finish:	21-Jul-26
Open this sub-system >>:			

Sub Systems:	924.04-FISCAL METERING SKID (INSTRUMENTS)		
Systems :	924-FISCAL METER...	Discipline:	INSTRUMENTATI...
Progress:	78.0		
Total Pending:	44	Total In-Progress:	0
Total:	200	Total Completed:	156
Start Date:	24-Apr-26	Date Finish:	21-Jul-26
Open this sub-system >>:			

Sub Systems:	931.04-HP FLARE INSTRUMENTS		
Systems :	931-HP FLARE	Discipline:	INSTRUMENTATI...
Progress:	100.0		
Total Pending:	0	Total In-Progress:	0
Total:	4	Total Completed:	4
Start Date:	22-Apr-26	Date Finish:	04-Jul-26
Open this sub-system >>:			

Record 2 of 75

System-Subsystem Overview

EVALUATION VERSION - SENTINEL CMS [Subsystem Overview]



Welcome ADMIN

Version : 1.0.2025.550 LU:05-Aug-2026 12:16 PM | LOGOUT

100%

Selected Systems : [921-OIL SEPARATION / STABILIZATION TRAIN 'A'] | Selected Subsystems :[921.01-STABILIZATION OIL PUMPS] | Selected Discipline :[INSTRUMENTATION]

Project Phase MC (Mechanical Completion)

Main Menu and Dashboard

Menu Main

Dashboard

Open Sub Systems

ITP

ITR

Punchlist

RFI/TQs

NCR

Tag List/Asset

Workpack

Certificate

Refresh and Update Summary

CCMS

Subsystem Overview

STABILIZATION OIL PUMPS

Handover Sections

Drag a column header here to group by that column

ELECTRICAL				
Section	Status	Total	Completed	Pending
Requests For Information (RFIs)	N/A	N/A	N/A	N/A
Inspection Test Records (ITRs)	Completed	115	115	0
▶ Inspection Test Plans (ITPs)	Pending	9	1	8
A Punch List Items	Pending	9	0	9
Non-Conformance Reports (NCRs)	N/A	N/A	N/A	N/A
Certificates	N/A	N/A	N/A	N/A
Others	N/A	N/A	N/A	N/A

Outstanding Items - ELECTRICAL

ITR No	Asset ID	Asset Description	ITR Template	Rev	Discipline	Project Phase	Sub System	System	Last Action	Status	Holder Name	Holder Date

CERTIFICATE

ITR No	Asset ID	Asset Description	ITR Template	Rev	Discipline	Project Phase	Sub System	System	Last Action	Status	Holder Name	Holder Date

Main Menu and Dashboard

Database Administration

Project Setup

Project Execution

Reporting

Utility

Project : EPC-0001 - Teekay Project (Tonside FPSO Cidade De Itajaí)

➤ ITR Register

EVALUATION VERSION - SENTINEL CMS [ITR]



Welcome ADMIN

Version : 1.0.2025.550 LU:05-Aug-2026 12:16 PM | LOGOUT

100%

Selected Systems : [921-OIL SEPARATION / STABILIZATION TRAIN 'A'] | Selected Subsystems :[921.01-STABILIZATION OIL PUMPS] | Selected Discipline :[INSTRUMENTATION]

Project Phase MC (Mechanical Completion)

Main Menu and Dashboard

- Menu Main
- Dashboard
- Open Sub Systems
- ITP
- ITR**
- Punchlist
- RFI/TQs
- NCR
- Tag List/Asset
- Workpack
- Certificate
- Refresh and Update Summary

CCMS Subsystem Overview ITR x

Approval Information

Discipline

INSTRUMENTATION

INSTRUMENTATION

inspector1
QA/QC Inspector

reviewer1
QA Inspector

Dedy Tampubolon
Package Inspector

All Discipline

approver1
QA Manager

approver2
QA/QC Manager

Dallas Hyde
Package Manager

MC (Mechanical
Completion) Certificate

ITR List

Add from Matrix
(Pending Asset/ITR)

Enter text to search... Find

Drag a column header here to group by that column

	ITR No.	Asset ID	Asset Description	ITR Template	Rev	Discipline	Project Phase	Sub System	System	Last Action	My workflow st...	Status	Open Detail	Open other ITR	Holder Name	Holder Date
	ITR-2026-3511	921PA102A	RECYCLE PUMP	M02-1A-PUMP	0	INSTRUMENT...	MC (Mechanical...	STABILIZAT...	OIL SEPARA...		✓	Completed			inspector 1	21-Jul-2026
	ITR-2026-3512	921PA102A	RECYCLE PUMP	M20A-Package Unit (Including...	0	INSTRUMENT...	MC (Mechanical...	STABILIZAT...	OIL SEPARA...		✓	Completed			inspector 1	21-Jul-2026
	ITR-2026-3513	921PA102A	RECYCLE PUMP	M29A-BASE PLATE	0	INSTRUMENT...	MC (Mechanical...	STABILIZAT...	OIL SEPARA...		✓	Completed			inspector 1	21-Jul-2026
	ITR-2026-3514	921PA102A	RECYCLE PUMP	M48A-PACKAGE EQUIPMENT I...	0	INSTRUMENT...	MC (Mechanical...	STABILIZAT...	OIL SEPARA...		✓	Completed			inspector 1	21-Jul-2026
	ITR-2026-3515	921PA102B	RECYCLE PUMP	M02-1A-PUMP	0	INSTRUMENT...	MC (Mechanical...	STABILIZAT...	OIL SEPARA...		✓	Completed			inspector 1	21-Jul-2026
	ITR-2026-3516	921PA102B	RECYCLE PUMP	M20A-Package Unit (Including...	0	INSTRUMENT...	MC (Mechanical...	STABILIZAT...	OIL SEPARA...		✓	Completed			inspector 1	21-Jul-2026
	ITR-2026-3517	921PA102B	RECYCLE PUMP	M29A-BASE PLATE	0	INSTRUMENT...	MC (Mechanical...	STABILIZAT...	OIL SEPARA...		✓	Completed			inspector 1	21-Jul-2026
	ITR-2026-3518	921PA102B	RECYCLE PUMP	M48A-PACKAGE EQUIPMENT I...	0	INSTRUMENT...	MC (Mechanical...	STABILIZAT...	OIL SEPARA...		✓	Completed			inspector 1	21-Jul-2026
	ITR-2026-3791	921PS101A-DE01	LV MOTOR STABILIZATION PUMP A	M02-1A-PUMP	0	INSTRUMENT...	MC (Mechanical...	STABILIZAT...	OIL SEPARA...		✓	Completed			inspector 1	21-Jul-2026
	ITR-2026-3792	921PS101A-DE01	LV MOTOR STABILIZATION PUMP A	M20A-Package Unit (Including...	0	INSTRUMENT...	MC (Mechanical...	STABILIZAT...	OIL SEPARA...		✓	Completed			inspector 1	21-Jul-2026
	ITR-2026-3793	921PS101A-DE01	LV MOTOR STABILIZATION PUMP A	M29A-BASE PLATE	0	INSTRUMENT...	MC (Mechanical...	STABILIZAT...	OIL SEPARA...		✓	Completed			inspector 1	21-Jul-2026
	ITR-2026-3794	921PS101A-DE01	LV MOTOR STABILIZATION PUMP A	M48A-PACKAGE EQUIPMENT I...	0	INSTRUMENT...	MC (Mechanical...	STABILIZAT...	OIL SEPARA...		✓	Completed			inspector 1	21-Jul-2026
	ITR-2026-3795	921PS101B-DE01	LV MOTOR STABILIZATION PUMP B	M02-1A-PUMP	0	INSTRUMENT...	MC (Mechanical...	STABILIZAT...	OIL SEPARA...		✓	Completed			inspector 1	21-Jul-2026

Record 6 of 20

- Main Menu and Dashboard
- Database Administration
- Project Setup
- Project Execution
- Reporting
- Utility

Reports Overview

EVALUATION VERSION - SENTINEL CMS [Punch List Summary Report By Discipline]



Welcome ADMIN

Version : 1.0.2025.550 LU:05-Aug-2026 12:16 PM | LOGOUT

100%

Selected Systems : [921-OIL SEPARATION / STABILIZATION TRAIN 'A'] | Selected Subsystems :[921.01-STABILIZATION OIL PUMPS] | Selected Discipline :[INSTRUMENTATION]

Project Phase MC (Mechanical Completion)

Reporting

- Print Inspection & Test Record (ITR)
- Inspection & Test Record Index
- Handover Certification Index Sheet

- Preservation Maintenance Check List (Wi...
- Preservation Maintenance Check List (Bl...

Punch List Summary Report By Discipline

- Punch List Summary Report By System/S...
- Punch List Summary Report By System
- Punch List Summary Report By System/S...
- Punch List Blank Form
- Punch List Form With Data

Systems & Sub- Systems Breakdown

- Project List Items by Area and System
- Project List Items by System
- Project List Items Installation by System

MC ITR Status Index by Sub - System/Di...

PC/COMM ITR Status Index By Sub-Syst...

Overall Status Index By System/Discipline

Summary ITR Progress By System

Summary ITR Progress By Sub System

Mechanical Completion System Overview

Pre-Comm/Commissioning System Overview

Workpack Register With Responsible Per...

Print Inspection & Test Record (ITR)

Inspection & Test Record Index

Handover Certification Index Sheet

Preservation Maintenance Check List (Wi...

Main Menu and Dashboard

Database Administration

Project Setup

Project Execution

Reporting

Utility

CCMS

Subsystem Overview

ITR

Punch List Summary Report By Discipline

Print Report Punch List Summary Report By Discipline

☐ Select All Data

Departments

Enter text to search...

Find

Tick	Systems	Sub Systems	Progress %
☐	901-MAIN GAS COMPRESSORS	901.11-LIGHTING COMPRESSOR SKID B	100%
☐	941-WATER TREATMENT AND W...	941.24-SRU, RO, & COOLING MEDIUM SYSTEM (LIGHTINGS)	100%
☐	425-CALLING/COMMAND/CREW ...	425.04-PAGA SYSTEM FLARE & VENT MODULE	100%
☐	924-FISCAL METERING SKID FO ...	924.05-FISCAL METERING SKID (LIGHTINGS)	100%
☐	941-WATER TREATMENT AND W...	941.02-WATER TREATMENT LIGHTING	100%
☐	921-OIL SEPARATION / STABILIZ...	921.03-STABILIZATION LIGHTING	100%
☐	901-MAIN GAS COMPRESSORS	901.04-LIGHTING COMPRESSOR SKID A	100%
☐	902-GAS DEHYDRATION	902.03-LIGHTING	100%
▼ Departments: INSTRUMENTATION			
☐	901-MAIN GAS COMPRESSORS	901.01-HP COMPRESSOR SKID A	100%
☐	922-OIL SEPARATION / STABILIZ...	922.08-LAUNCHER LIGHTINGS (TRAIN 'B')	100%
☐	425-CALLING/COMMAND/CREW ...	425.03-PAGA SYSTEM GAS DEHYDRATION MODULE	100%
☐	902-GAS DEHYDRATION	902.02-LV MOTORS & HEATERS	100%
☐	941-WATER TREATMENT AND W...	941.22-SRU, RO, & COOLING MEDIUM SYSTEM (PUMPS, MOTORS, COMPRESSORS)	100%
☐	941-WATER TREATMENT AND W...	941.02-WATER TREATMENT LIGHTING	100%
☐	901-MAIN GAS COMPRESSORS	901.18-LIGHTING COMPRESSOR SKID C	100%
☐	902-GAS DEHYDRATION	902.05-INSTRUMENTS	100%
☐	931-HP FLARE	931.12-SAFTY KO DRUM SKID (VESSELS, TANKS, EXCHANGERS)	100%
☐	925-EXPORT METERING SKID FO...	925.04-EXPORT METERING SKID (INSTRUMENTS)	0%
☐	901-MAIN GAS COMPRESSORS	901.21-INSTRUMENTS COMPRESSOR SKID C	0%
☐	931-HP FLARE	931.14-SAFTY KO DRUM SKID (INSTRUMENTS)	0%
☐	901-MAIN GAS COMPRESSORS	901.08-HP COMPRESSOR SKID B	100%
☐	931-HP FLARE	931.04-HP FLARE INSTRUMENTS	100%
☐	922-OIL SEPARATION / STABILIZ...	922.04-INSTRUMENTS	0%
☐	901-MAIN GAS COMPRESSORS	901.04-LIGHTING COMPRESSOR SKID A	100%
☐	921-OIL SEPARATION / STABILIZ...	921.07-LAUNCHER & RECIEVER (TRAIN 'A')	100%
☐	941-WATER TREATMENT AND W...	941.04-WATER TREATMENT INSTRUMENTS	100%
☐	941-WATER TREATMENT AND W...	941.23-SRU, RO, & COOLING MEDIUM SYSTEM (INSTRUMENTS)	0%
☐	922-OIL SEPARATION / STABILIZ...	922.07-LAUNCHER INSTRUMENT (TRAIN 'B')	0%
☐	921-OIL SEPARATION / STABILIZ...	921.05-STABILIZATION INSTRUMENTS	0%
☐	924-FISCAL METERING SKID FO...	924.04-FISCAL METERING SKID (INSTRUMENTS)	0%
☐	923-DIESEL INJECTION	923.02-VESSELS, TANKS, EXCHANGERS (DIESEL INJECTION)	100%
☐	902-GAS DEHYDRATION	902.03-LIGHTING	100%

Record 34 of 75

Preview

➤ ITR Report Summary (MC Status By Sub-system)

Print Report MC ITR Status Index by Sub - System/Discipline

Print Preview

Open Save Print Quick Print Options Parameters Header/Footer Scale Margins Orientation Size Find Bookmarks First Page Previous Page Next Page Last Page Many Pages Zoom Out Zoom Zoom In Page Color Watermark Export To E-Mail As Close Print Preview Report Designer Designer Wizard

Document Print Page Setup Navigation Zoom Page Background

		Teekay Project (Topside FPSO Cidade De Itajai)		
		MECHANICAL COMPLETION STATUS INDEX BY SUBSYSTEM		
Sub System : 931.02		Description : HP FLARE LIGHTING		
ELECTRICAL				
#	Tag Number	Tag Description	ITR	ITR Description
8	872EL201.08-P05	2X36W FLUORESCENT LIGHT SURFACE MTD W/ INTERNAL BATTERY EEX EDM IB IIC T4 - LF3 (872EL201.08-L03) TO 2X36W FLUORESCENT LIGHT SURFACE MTD W/ INTERNAL BATTERY EEX EDM IB IIC T4 - LF3 (872EL201.08-L04)	E01A	LOW VOLTAGE CABLES
9	875EL102.09-P02	NORMAL LIGHTING JUNCTION BOX - 875EL102.09-J01 TO 2X36W FLUORESCENT LIGHT SURFACE MTD EEX ED IIC T4 - LF2 (875EL102.09-L01)	E01A	LOW VOLTAGE CABLES
10	875EL102.09-P03	2X36W FLUORESCENT LIGHT SURFACE MTD EEX ED IIC T4 - LF2 (875EL102.09-L01) TO 2X36W FLUORESCENT LIGHT SURFACE MTD EEX ED IIC T4 - LF2 (875EL102.09-L02)	E01A	LOW VOLTAGE CABLES
11	875EL102.09-P04	2X36W FLUORESCENT LIGHT SURFACE MTD EEX ED IIC T4 - LF2 (875EL102.09-L02) TO 2X36W FLUORESCENT LIGHT SURFACE MTD EEX ED IIC T4 - LF2 (875EL102.09-L03)	E01A	LOW VOLTAGE CABLES
12	875EL102.09-P05	2X36W FLUORESCENT LIGHT SURFACE MTD EEX ED IIC T4 - LF2 (875EL102.09-L03) TO 2X36W FLUORESCENT LIGHT SURFACE MTD EEX ED IIC T4 - LF2 (875EL102.09-L04)	E01A	LOW VOLTAGE CABLES
13	875EL102.09-P06	2X36W FLUORESCENT LIGHT SURFACE MTD EEX ED IIC T4 - LF2 (875EL102.09-L04) TO 2X36W FLUORESCENT LIGHT SURFACE MTD EEX ED IIC T4 - LF2 (875EL102.09-L05)	E01A	LOW VOLTAGE CABLES
14	875EL102.09-P07	2X36W FLUORESCENT LIGHT SURFACE MTD EEX ED IIC T4 - LF2 (875EL102.09-L05) TO 2X36W FLUORESCENT LIGHT SURFACE MTD EEX ED IIC T4 - LF2 (875EL102.09-L06)	E01A	LOW VOLTAGE CABLES
Print date Wednesday, 05 Aug 2026		Page 6 of 107		

➤ ITR Report Summary (ITR Progress by System)

Print Report Summary ITR Progress By System

Print Preview

Open Save Print Quick Print Options Parameters Header/Footer Scale Margins Orientation Size Find Bookmarks First Page Previous Page Next Page Last Page Many Pages Zoom Out Zoom Zoom In Page Color Watermark Export To E-Mail As Close Print Preview Report Designer Designer Wizard DesignPageGro...

  Teekay Project (Topside FPSO Cidade De Itaja) SUMMARY ITR PROGRESS BY SYSTEMS											
Systems No	Systems Description	Total Tag No	Discipline	TOTAL ITR							
				'A'	'A' Compl	'A' O/S	'A' % Compl	'B'	'B' Compl	'B' O/S	'B' % Compl
425	CALLING/COMMAND/CREW CALL TELEPHONE PLANTS, WALKIE TALKIES		ELECTRICAL	3	3	0	100.00	3	4	0	100.00
901	MAIN GAS COMPRESSORS		ELECTRICAL	124	124	0	100.00	124	123	0	100.00
			INSTRUMENTATION	18	18	0	100.00	18	0	0	.00
902	GAS DEHYDRATION		ELECTRICAL	20	20	0	100.00	20	20	0	100.00
			INSTRUMENTATION	2	2	0	100.00	2	0	0	.00
921	OIL SEPARATION / STABILIZATION TRAIN 'A'		ELECTRICAL	249	249	0	100.00	249	249	0	100.00
			INSTRUMENTATION	5	5	0	100.00	5	0	0	.00
922	OIL SEPARATION / STABILIZATION TRAIN 'B'		ELECTRICAL	145	145	0	100.00	145	145	0	100.00
			INSTRUMENTATION	111	111	0	100.00	111	0	0	.00
923	DIESEL INJECTION		ELECTRICAL	12	12	0	100.00	12	12	0	100.00
924	FISCAL METERING SKID FOR CRUDE OIL		ELECTRICAL	17	17	0	100.00	17	17	0	100.00
931	HP FLARE		ELECTRICAL	19	19	0	100.00	19	19	0	100.00
			INSTRUMENTATION	12	12	0	100.00	12	0	0	.00
932	LP FLARE		INSTRUMENTATION	12	12	0	100.00	12	0	0	.00
941	WATER TREATMENT AND WATER INJECTION		ELECTRICAL	127	127	0	100.00	127	127	0	100.00
			INSTRUMENTATION	101	101	0	100.00	101	0	0	.00

➤ ITR Report Summary (ITR Progress by Sub-system)

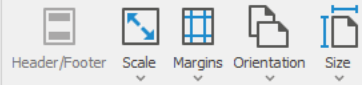
Print Report Summary ITR Progress By Sub System

Print Preview

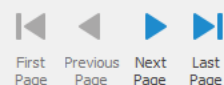
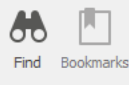


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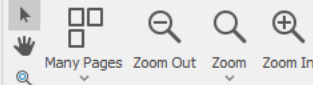
Print



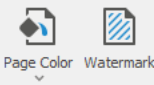
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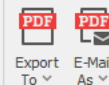
Navigation



Zoom



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Export



Report Designer

Designer Wizard

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Teekay Project (Topside FPSO Cidade De Itajaí)

SUMMARY ITR PROGRESS BY SUB-SYSTEMS

Sub-Systems No	Sub-Systems	Total Tag No	Discipline	TOTAL ITR							
				'A'	'A' Compl	'A' O/S	'A' % Compl	'B'	'B' Compl	'B' O/S	'B' % Compl
425.03	PAGA SYSTEM GAS DEHYDRATION MODULE		ELECTRICAL	2	2	0	100.00	2	3	0	100.00
425.04	PAGA SYSTEM FLARE & VENT MODULE		ELECTRICAL	1	1	0	100.00	1	1	0	100.00
901.01	HP COMPRESSOR SKID A		ELECTRICAL	14	14	0	100.00	14	14	0	100.00
901.02	LV MOTORS COMPRESSOR SKID A		INSTRUMENTATION	6	6	0	100.00	6	0	0	.00
901.04	LIGHTING COMPRESSOR SKID A		ELECTRICAL	30	30	0	100.00	30	30	0	100.00
901.08	HP COMPRESSOR SKID B		ELECTRICAL	9	9	0	100.00	9	9	0	100.00
901.09	LV MOTORS COMPRESSOR SKID B		INSTRUMENTATION	6	6	0	100.00	6	0	0	.00
901.11	LIGHTING COMPRESSOR SKID B		ELECTRICAL	31	31	0	100.00	31	31	0	100.00
901.16	LV MOTORS COMPRESSOR SKID C		INSTRUMENTATION	6	6	0	100.00	6	0	0	.00
901.18	LIGHTING COMPRESSOR SKID C		ELECTRICAL	40	40	0	100.00	40	39	0	100.00
902.01	GLYCOL REBOILER		ELECTRICAL	7	7	0	100.00	7	7	0	100.00
902.03	LIGHTING		ELECTRICAL	13	13	0	100.00	13	13	0	100.00
902.05	INSTRUMENTS		INSTRUMENTATION	2	2	0	100.00	2	0	0	.00
921.01	STABILIZATION OIL PUMPS		ELECTRICAL	115	115	0	100.00	115	115	0	100.00
921.03	STABILIZATION LIGHTING		ELECTRICAL	5	5	0	100.00	5	5	0	100.00
921.05	STABILIZATION INSTRUMENTS		INSTRUMENTATION	5	5	0	100.00	5	0	0	.00
921.10	LAUNCHER LIGHTINGS (TRAIN 'A')		ELECTRICAL	129	129	0	100.00	129	129	0	100.00
922.02	VESSEL, TANKS, EXCHANGER		INSTRUMENTATION	3	3	0	100.00	3	0	0	.00
922.03	PUMPS, MOTORS, COMPRESSORS		INSTRUMENTATION	108	108	0	100.00	108	0	0	.00
922.05	LIGHTINGS		ELECTRICAL	57	57	0	100.00	57	57	0	100.00
922.08	LAUNCHER LIGHTINGS (TRAIN 'B')		ELECTRICAL	88	88	0	100.00	88	88	0	100.00
923.05	LIGHTINGS (DIESEL INJECTION)		ELECTRICAL	12	12	0	100.00	12	12	0	100.00
924.05	FISCAL METERING SKID (LIGHTINGS)		ELECTRICAL	17	17	0	100.00	17	17	0	100.00
931.01	HP FLARE LV MOTORS		INSTRUMENTATION	12	12	0	100.00	12	0	0	.00
931.02	HP FLARE LIGHTING		ELECTRICAL	16	16	0	100.00	16	16	0	100.00
931.15	SAFETY KO DRUM SKID (LIGHTINGS)		ELECTRICAL	3	3	0	100.00	3	3	0	100.00
932.01	LP FLARE LV MOTORS		INSTRUMENTATION	12	12	0	100.00	12	0	0	.00



SENTINEL

COMMISSIONING COMPLETION

End-to-End Commissioning Management
from Construction to Operational Readiness



OIL & GAS

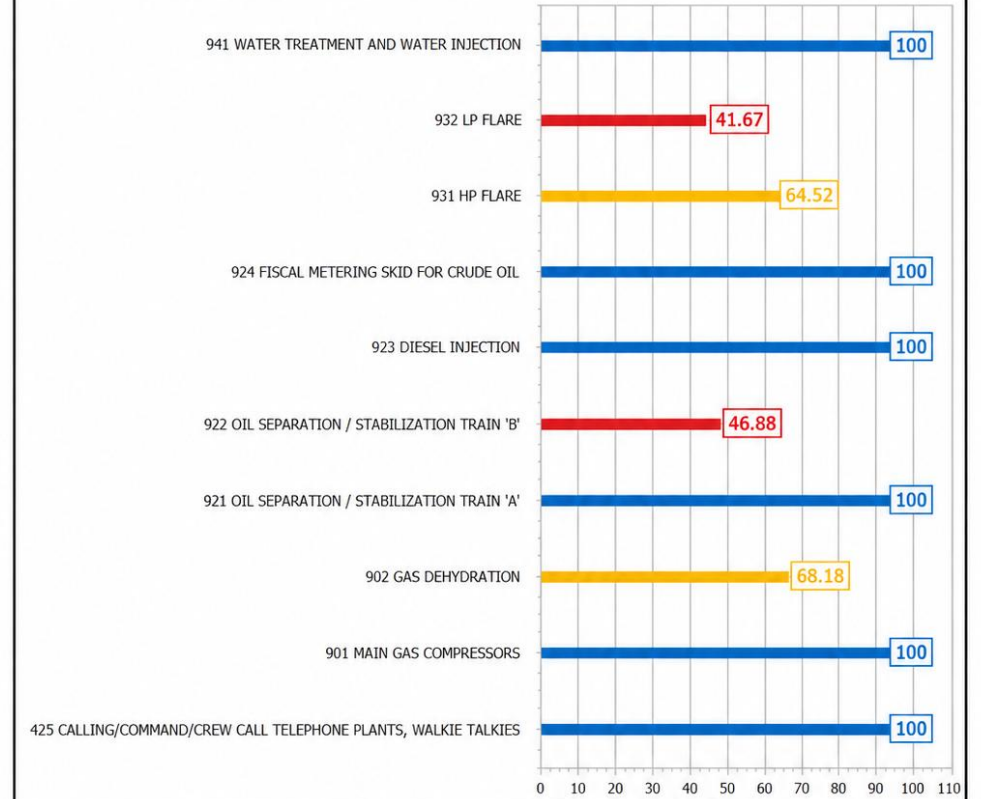


Teekay Project (Topside FPSO Cidade De Itajai)

SYSTEM OVERVIEW

MECHANICAL COMPLETION

Total ITR : 977
Completed ITR : 597 (61.12 %)
Outstanding ITR : 380



Legend 100% (Done) 75% - 100% 50% - 75% < 50%

	Total	Complete	Percentage
425 CALLING/COMMAND/CREW CALL TELEPHONE PLANTS, WALKIE TALKIES	3	3	100.00
901 MAIN GAS COMPRESSORS	142	142	100.00
902 GAS DEHYDRATION	22	15	68.18
921 OIL SEPARATION / STABILIZATION TRAIN 'A'	254	254	100.00
922 OIL SEPARATION / STABILIZATION TRAIN 'B'	256	120	46.88
923 DIESEL INJECTION	12	12	100.00
924 FISCAL METERING SKID FOR CRUDE OIL	17	17	100.00
931 HP FLARE	31	20	64.52
932 LP FLARE	12	5	41.67
941 WATER TREATMENT AND WATER INJECTION	228	228	100.00

➤ Punchlist Summary System/Sub-system/Discipline

Print Report Punch List Summary Report By System/Sub-System/Discipline

Print Preview

OpenSavePrintQuick PrintOptionsParameters

Header/FooterScaleMarginsOrientationSize

FindBookmarksFirst PagePrevious PageNext PageLast Page

Many PagesZoom OutZoomZoom In

Page ColorWatermarkExport ToE-Mail AsClose Print Preview

Report DesignerDesigner WizardDesignPageGro...

DocumentPrintPage SetupNavigationZoomPage BackgroundExport



Teekay Project (Topside FPSO Cidade De Itajaí)

PUNCHLIST SUMMARY SYSTEM/SUB-SYSTEM/DISCIPLINE

Project Phase : MC (Mechanical Completion)

Systems : 901 - MAIN GAS COMPRESSORS

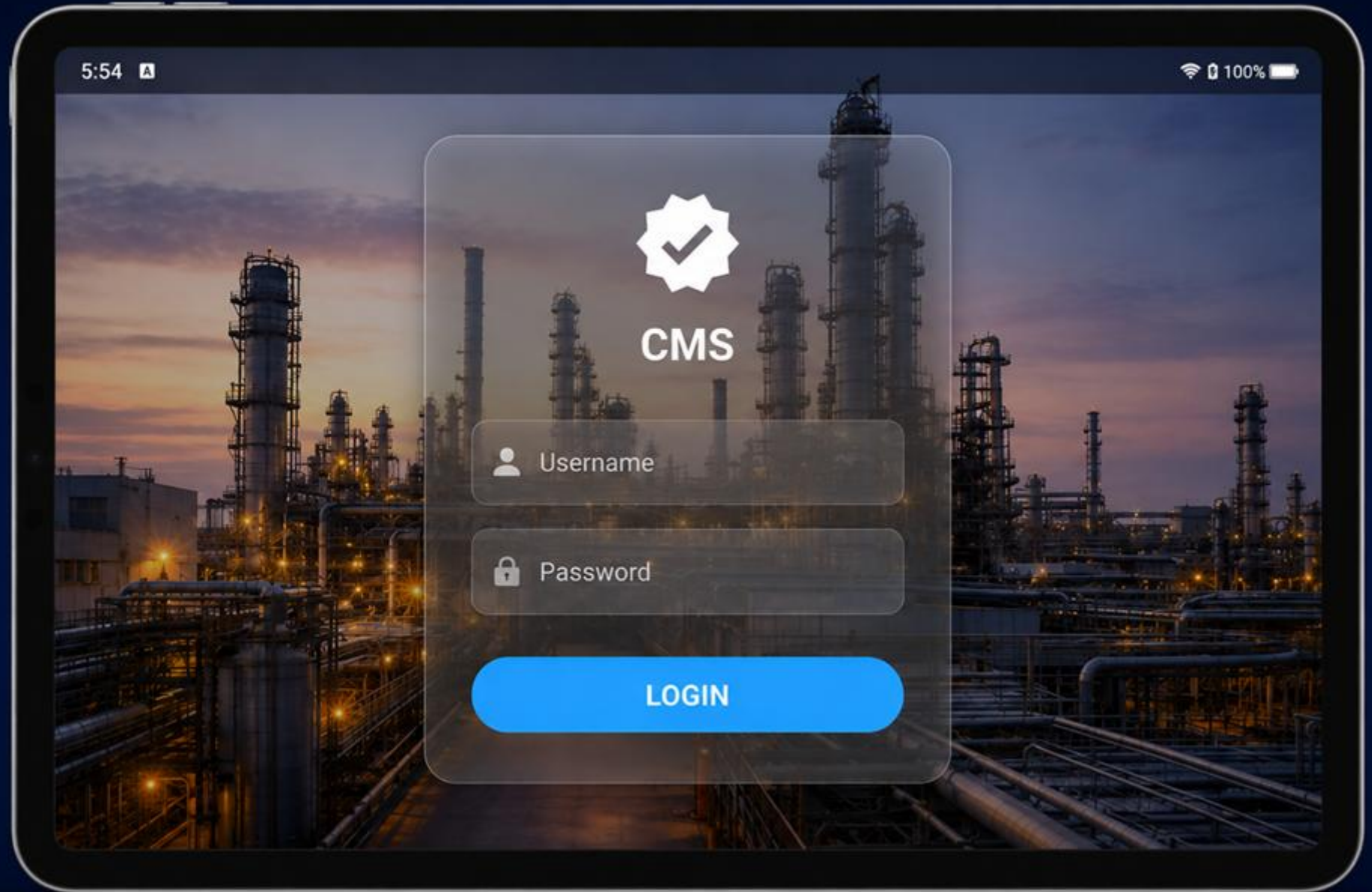
Sub Systems : 901.21 - INSTRUMENTS COMPRESSOR SKID C

Discipline	Overall Punchlist				Punchlist Category 'A'				Punchlist Category 'B'				Punchlist Category 'C'			
	Total	Complete	O/S	%	Total	Complete	O/S	%	Total	Complete	O/S	%	Total	Complete	O/S	%
INSTRUMENTATION	2	0	2		1	0	1		1	0	1		0	0	0	
Total	2	0	2	0	1	0	1		1	0	1		0	0	0	

Print date Wednesday, 05 Aug 2026

Page 2 of 5

➤ Field Inspection Tablet Application (used on-site)



➤ Field Inspection Tablet Application (used on-site)



ITR List
Tasking Project (Topside FPSO Cidade de Natal)
Phase: Commissioning
Subsystem: 901.21 - INSTRUMENTS COMPRESSOR SKID C

Inspector: SAQC Inspector

ITR List
Home / ITR List

Search Tag

Tag	ITR
901-BDV-131C	ITR
901-FE-155C	ITR
901-EY-131C	ITR

Tag Detail

Tag: 901-EY-131C
ITR No: ITR-2024-00005
Description: SOLENOID VALVE FOR 901BDV131C-USD
System: MAIN GAS COMPRESSORS
Subsystem: INSTRUMENTS COMPRESSOR SKID C
Department: INSTRUMENTATION
Certificate: .

Checklist Items

Item	Description	Result
01	Load Test Results	Select
01.01	Description	Select
01.02	Location	Select
01.03	Fabrication, NDT and material certification references	Select
01.04	Safe working load (kg)	Select
01.05	Proof Load	Select
01.06	Proof load certificate No (if applicable)	Select
01.07	List of permanent lifting tackle included in proof load test	Select
01.07.1	Description	Select

Comments

Save & Submit Review & Comments Complete This Doc Reject & Allow Editing Close

Subsystem	Dept	Certificate
INSTRUMENTS COMPRESSOR SKID C	INSTRUMENTATION	
INSTRUMENTS COMPRESSOR SKID C	INSTRUMENTATION	
INSTRUMENTS COMPRESSOR SKID C	INSTRUMENTATION	

➤ TYPICAL COMPLETION MODEL

Systems Completion Process Model

CONSTRUCTION / PRE-COMMISSIONING / COMMISSIONING / START-UP

	Construction	Pre-Commissioning (Component Level)	Commissioning (System Level)	Startup	Stable Operations
Sub-Contractor Activities	- Conduct SC Readiness Review - Conduct kickoff alignment between commissioning execution plan and construction execution plan - Ensure preservation is carried out per plan - Verify receipt of commissioning spares - Monitor construction activities - Conduct risk assessment of Pre-commissioning methods - Coordinate system walk downs - Produce, witness and track Punch List items - Confirm all "A" Punch List items are complete - Conduct field alignment workshop - Identify temporary systems for Pre-Commissioning and Commissioning - Identify operations 'final owner' for each system - Witness and track subsea commissioning procedures for: - Extended Factory Acceptance tests - Site Integration Testing - Perform Specialized flushing - Coordinate Flange witness and tightness testing plan - Conduct PTW/LOTO Training (Locations) - Implement PTW/LOTO - Verify Completion of Vital Data and Documentation for Construction Completion Certificates	- Conduct risk assessment of commissioning methods and procedures - Coordinate system walk downs - Produce, witness and track Punch List items - Verify equipment and pipe cleanliness - Flush Lube/Seal Oil Systems - Energize equipment - Perform SAT on ICSS & 3rd party control systems - Execute component level commissioning activities, such as: - Motor No-Load Tests (uncoupled) - Perform Loop Tests - Conduct Package Unit control panel Function Tests - Conduct Switchgear control power Function Tests - Monitor and witness "B" Check sheets - Confirm all "B" Punch List items are complete - Finalize commissioning procedure - Site Received Testing - Verify Completion of Ready for Commissioning Certificates	- Conduct risk assessment of startup methods - Coordinate system walk downs - Produce, witness and track Punch List items - Execute Commissioning Procedures, such as: - Tightness Testing - Drying and Purging - Loading Fuel - First Fills/Lubricants - Complete System Functional Tests Procedures (FTP) - Dynamic Cause-and-Effect Testing - Dynamic Control System Interface Testing - Perform integrated subsea/topsides Tests - Complete System TCPs including redlines - Transition SCD data to asset register: (CMS) - Complete Pre Startup Safety Review (PSSR) - Place non-hydrocarbon utilities into operation - Verify Completion of Ready for Startup Certificates	- Startup hydrocarbon systems - System Performance tests (Against Established Acceptance Criteria) - Verify Completion of Systems Acceptance Certificate - Collect and compile Systems Completion Lessons Learned	- Commence steady-state operations - Conduct Facility Performance tests - Complete "C" Punch List items or align on Punch List Resolution Plan
Certificates	- Discipline Acceptance Certificates - Construction Completion Certificates	Ready For Commissioning Certificates	Ready For Startup Certificates	- System Acceptance Certificates - Final Acceptance Certificates	
Responsible	<u>Project Team</u> Commissioning Manager	<u>Project Team</u> Commissioning Manager	<u>Project Team</u> Commissioning Manager	<u>Operations</u> Startup Manager/Lead	<u>Operations</u> Operations Manager

Transfer of Care, Custody, and Control

NING



CONSTRUCTION

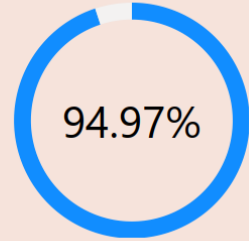
➤ Power BI Integration – ITR & Punch item summary



ITR & PUNCH ITEM SUMMARY

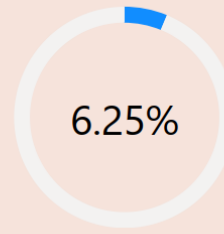
REPORT PERIOD :
03-Aug-2026

ITR PROGRESS



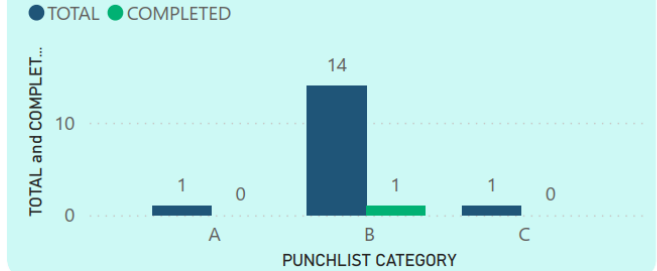
TOTAL TARGET
9615
TOTAL COMPLETED
9131
PENDING/IN-PROGRESS
484

PUNCH ITEM PROGRESS



TOTAL TARGET
16
TOTAL COMPLETED
1
IN-PROGRESS
15

PUNCHLIST CATEGORY



ITR SUMMARY BY PROJECT PHASE

PROJECT PHASE	ITR (TOTAL)	ITR (COMPLETED)	ITR (IN-PROGRESS)	ITR (PENDING)	ITR (%) COMPLETED	PUNCH ITEM (TOTAL)	PUNCH ITEM (COMPLETED)	PUNCH ITEM (IN-PROGRESS)	PUNCH ITEM (%) COMPLETED
Preservation	483	0	0	483	0.00				0.00
MC (Mechanical Completion)	8294	8294	0	0	100.00	9	0	9	0.00
Pre-Comm (Pre-Commissioning)	788	788	0	0	100.00				0.00
Commissioning	50	49	1	0	98.00	7	1	6	14.29
RFSU (Ready for start-up)					0.00				0.00
Handover					0.00				0.00
Performance testing					0.00				0.00
Project Close Out					0.00				0.00

ITR SUMMARY BY DISCIPLINE

DISCIPLINE	ITR (TOTAL)	ITR (COMPLETED)	ITR (IN-PROGRESS)	ITR (PENDING)	ITR (%) COMPLETED	PUNCH ITEM (TOTAL)	PUNCH ITEM (COMPLETED)	PUNCH ITEM (IN-PROGRESS)	PUNCH ITEM (%) COMPLETED
					0.00				0.00
ARCHITECTURAL					0.00				0.00
PAINTING					0.00				0.00
PLUMBING					0.00				0.00
INSULATION					0.00				0.00
PIPING					0.00				0.00
STRUCTURAL					0.00				0.00
ELECTRICAL	1576	1576	0	0	100.00	10	1	9	10.00
TELECOMMUNICATIONS					0.00				0.00
MECHANICAL					0.00				0.00
INSTRUMENTATION	8039	7555	1	483	93.98	6	0	6	0.00



ITR DATA STATUS AND REPORT

REPORT PERIOD :
03-Aug-2026

PROJECT PHASE

All

DISCIPLINE

All

SYSTEMS

All

SUB-SYSTEMS

All

OBJECT GROUP

All

ASSET DESCRIPTION

Search

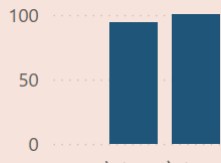


% COMPLETED



94.97%

DISC % COMPLETED



SYSTEMS

DISC. CODE	DISCIPLINE DESC	SYSTEMS NO	SYSTEMS DESC	TOTAL ITR	COMPLETED	IN-PROGRESS	PENDING	% COMPLETED
23	ELECTRICAL	425	CALLING/COMMAND/CREW CALL TELEPHONE PLANTS, WALKIE TALKIES	6	6	0	0	100.00
23	ELECTRICAL	901	MAIN GAS COMPRESSORS	248	248	0	0	100.00
23	ELECTRICAL	902	GAS DEHYDRATION	40	40	0	0	100.00
23	ELECTRICAL	921	OIL SEPARATION / STABILIZATION TRAIN 'A'	498	498	0	0	100.00
23	ELECTRICAL	922	OIL SEPARATION / STABILIZATION TRAIN 'B'	290	290	0	0	100.00
23	ELECTRICAL	923	DIESEL INJECTION	24	24	0	0	100.00
23	ELECTRICAL	924	FISCAL METERING SKID FOR CRUDE OIL	24	24	0	0	100.00
Total				9615	9131	1	483	94.97

PROJECT PHASE

PROJECT PHASE	TOTAL	COMPLETED	IN-PROGRESS	PENDING	%
MC (Mechanical Completion)	8294	8294	0	0	100.00
Pre-Comm (Pre-Commissioning)	788	788	0	0	100.00
Commissioning	50	49	1	0	98.00
Preservation	483	0	0	483	0.00
Total	9615	9131	1	483	94.97

DISCIPLINES

DISCIPLINE	TOTAL ITR	COMPLETED	IN-PROGRESS	PENDING	%
ELECTRICAL	1576	1576	0	0	100.00
INSTRUMENTATION	8039	7555	1	483	93.98
Total	9615	9131	1	483	94.97

DETAIL ASSETS

PROJECT PHASE	SUBSYSTEM CODE	SUBSYSTEM DESC	MATRIX CODE	ITR CODE	ITR#	ASSET DESCRIPTION	TOTAL	COMPLETED	IN-PROGRESS	PENDING	% PROGRESS
Preservation	901.21	INSTRUMENTS COMPRESSOR SKID C	E000	P0000	PL-2026-00002	33kV NER Isolator	1	0	0	1	0.00
Preservation	901.21	INSTRUMENTS COMPRESSOR SKID C	E000	P0000	PL-2026-00003	33kV NER Isolator	1	0	0	1	0.00
Preservation	901.21	INSTRUMENTS COMPRESSOR SKID C	E000	P0000	PL-2026-00004	33kV NER Isolator	1	0	0	1	0.00
Preservation	901.21	INSTRUMENTS COMPRESSOR SKID C	E000	P0000	PL-2026-00005	33kV NER Isolator	1	0	0	1	0.00
Preservation	901.21	INSTRUMENTS COMPRESSOR SKID C	E000	P0000	PL-2026-00006	33kV NER Isolator	1	0	0	1	0.00
Preservation	901.21	INSTRUMENTS COMPRESSOR SKID C	E000	P0000	PL-2026-00007	33kV NER Isolator	1	0	0	1	0.00
Preservation	901.21	INSTRUMENTS COMPRESSOR SKID C	E000	P0000	PL-2026-00008	33kV NER Isolator	1	0	0	1	0.00
Preservation	901.21	INSTRUMENTS COMPRESSOR SKID C	E000	P0000	PL-2026-00009	33kV NER Isolator	1	0	0	1	0.00
Preservation	901.21	INSTRUMENTS COMPRESSOR SKID C	E000	P0000	PL-2026-00010	33kV NER Isolator	1	0	0	1	0.00
Preservation	901.21	INSTRUMENTS	E000	P0000	PL-2026-00011	33kV NER Isolator	1	0	0	1	0.00

GRAND TOTAL

9615

Total ITR

9131

Total Completed

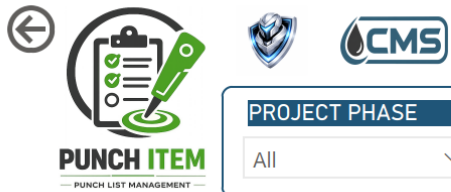
1

Total In-Progress

483

Total Pending

➤ Power BI Integration –Punchlist Data Status Summary



PUNCHLIST DATA STATUS AND REPORT

REPORT PERIOD :
03-Aug-2026

PROJECT PHASE

All

DISCIPLINE

All

SYSTEMS

All

SUB-SYSTEMS

All

INSPECTION TYPE

All

AFFECTED ASSETS

Search



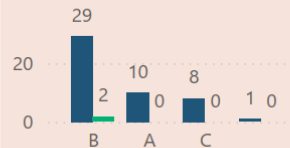
% COMPLETED



4.17%

PUNCHLIST CATEGORY

● TOTAL ● COMPLETED



INSPECTION TYPE

INSPECTION TYPE	TOTAL PUNCH ITEM	IN- PROGRESS	COMPLETED	%
Ad Hoc Inspection	9	9	0	0.00
Carryover Work Inspection	9	8	1	11.11
ITR Inspection	16	15	1	6.25
Walkdown Inspection	14	14	0	0.00
Total	48	46	2	4.17

SYSTEMS

SYSTEM NO	SYSTEM	TOTAL PUNCH ITEM	IN- PROGRESS	COMPLETED	%
901	MAIN GAS COMPRESSORS	15	14	1	6.67
902	GAS DEHYDRATION	1	1	0	0.00
921	OIL SEPARATION / STABILIZATION TRAIN 'A'	17	17	0	0.00
922	OIL SEPARATION / STABILIZATION TRAIN 'B'	3	3	0	0.00
931	HP FLARE	5	4	1	20.00
941	WATER TREATMENT AND WATER INJECTION	1	1	0	0.00
Total		48	46	2	4.17

PROJECT PHASE

PROJECT PHASE	TOTAL PUNCH ITEM	IN- PROGRESS	COMPLETED	% COMPLETED
Commissioning	20	18	2	10.00
MC (Mechanical Completion)	15	15	0	0.00
Pre-Comm (Pre-Commissioning)	7	7	0	0.00
Preservation	6	6	0	0.00
Total	48	46	2	4.17

DISCIPLINES

DISCIPLINE	TOTAL PUNCH ITEM	IN- PROGRESS	COMPLETED	% COMPLETED
ARCHITECTURAL	2	2	0	0.00
ELECTRICAL	1	1	0	0.00
INSTRUMENTATION	24	23	1	4.17
MECHANICAL	18	17	1	5.56
PAINTING	1	1	0	0.00
PLUMBING	1	1	0	0.00
Total	48	46	2	4.17

DETAIL ASSETS

PROJECT PHASE	DISCIPLINES	SUBSYSTEMS	AFFECTED ASSET	PUNCH ITEM #	TOTAL PUNCH ITEM	IN- PROGRESS	COMPLETED	%	ITR NO
Commissioning		331.01 DECK CRANE AFT	425RA-J01A-01 INDOOR/OUTDOOR EX-PRF METAL SPEAKER - HS-15 EExmN(T) - 425RA-J01A-03 TO INDOOR/OUTDOOR EX-PRF METAL SPEAKER - HS-15 EExmN(T) - 425RA-J01A-01	PL-2026-00052	1	1	0	0.00	
Commissioning		331.01 DECK CRANE AFT, 334.01 DECK CRANE	425RA-J01A-01 INDOOR/OUTDOOR EX-PRF METAL SPEAKER - HS-15 EExmN(T) - 425RA-J01A-03 TO INDOOR/OUTDOOR EX-PRF METAL SPEAKER - HS-15 EExmN(T) - 425RA-J01A-01, 425RA-J01A-03 PAGA JUNCTION BOX - 425RA-J01A TO INDOOR/OUTDOOR EX-PRF METAL SPEAKER - HS-15 EExmN(T) - 425RA-J01A-03	PL-2026-00046	1	1	0	0.00	
Commissioning	ARCHITECTURAL	331.01 DECK CRANE AFT, 354.01 ROSEMOUNT TANKRADAR, 365.01 CARGO OIL HEATER	425RA-J01A-01 INDOOR/OUTDOOR EX-PRF METAL SPEAKER - HS-15 EExmN(T) - 425RA-J01A-03 TO INDOOR/OUTDOOR EX-PRF METAL SPEAKER - HS-15 EExmN(T) - 425RA-J01A-01, 425RA-J01A-03 PAGA JUNCTION BOX - 425RA-J01A TO INDOOR/OUTDOOR EX-PRF METAL SPEAKER - HS-15 EExmN(T) - 425RA-J01A-03, 425RA-J02B-02 PAGA JUNCTION BOX - 425RA-J02B TO INDOOR/OUTDOOR EX-PRF METAL SPEAKER - HS-15 EExmN(T) - 425RA-J02B-02	PL-2026-00053	1	1	0	0.00	PL-2026-00053
Commissioning	ELECTRICAL	331.01 DECK CRANE AFT, 334.01 DECK CRANE, 351.01 CARGO PUMPS	425RA-J01A-01 INDOOR/OUTDOOR EX-PRF METAL SPEAKER - HS-15 EExmN(T) - 425RA-J01A-03 TO INDOOR/OUTDOOR EX-PRF METAL SPEAKER - HS-15 EExmN(T) - 425RA-J01A-01, 425RA-J01A-03 PAGA JUNCTION BOX - 425RA-J01A TO INDOOR/OUTDOOR EX-	PL-2026-00056	1	1	0	0.00	

GRAND TOTAL

48

TOTAL PUNCH ITEM

46

TOTAL IN-PROGRESS

2

TOTAL COMPLETED

48

TOTAL PUNCH ITEM



SKYLINE REPORT 1

SE
COM

End-to-
from Co



COMMISSIONING DASHBOARD & REPORT

RFC SKYLINE REPORT

CURRENT PERIOD : 03-Aug-2026

PERIOD

1 2 3 4 5 6 7 8 9 10 11 12

Feb 2026 - Aug 2026

2026

Q1

Feb

Mar

Apr

May

Jun

Jul

Aug

Total Sub Systems

10 (4.6%)



Legend

● In Progress

● On Hold

● Completed

206 (95.4%)

Skyline Report - RFS (Ready For Commissioning)

Status ● In Progress ● On Hold ● Completed

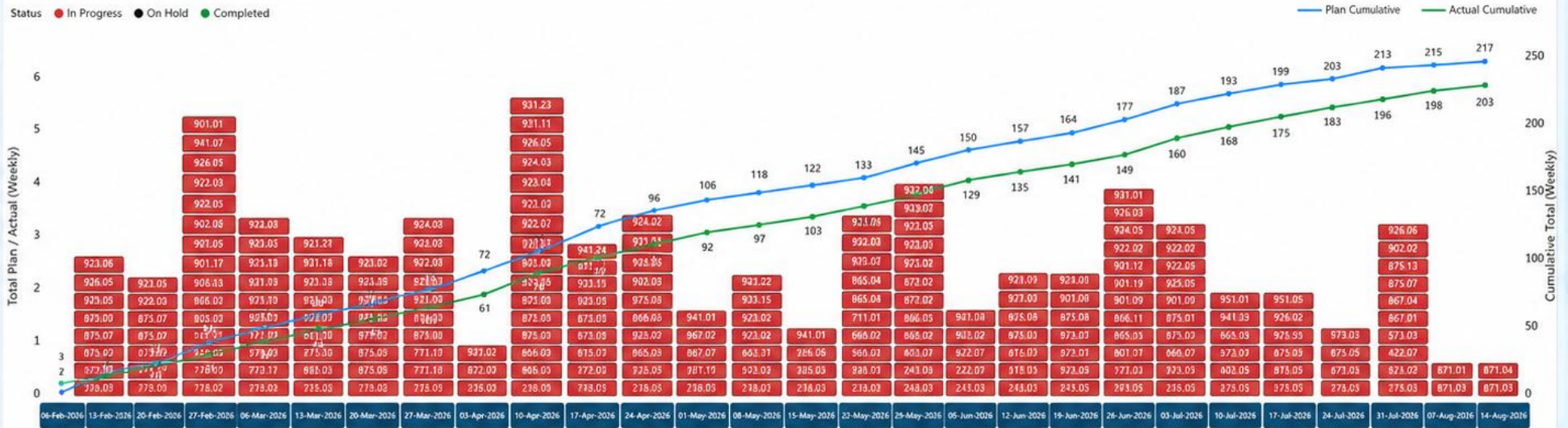


TABLE MATRIX

Description	06-Feb-2026	13-Feb-2026	20-Feb-2026	27-Feb-2026	13-Mar-2026	20-Mar-2026	27-Mar-2026	03-Apr-2026	10-Apr-2026	24-Apr-2026	01-May-2026	08-May-2026	08-May-2026	15-May-2026	22-May-2026	29-May-2026	12-Jun-2026	19-Jun-2026	26-Jun-2026	03-Jul-2026	10-Jul-2026	17-Jul-2026	24-Jul-2026	31-Jul-2026	07-Aug-2026	14-Aug-2026
Total Plan	3	5	6	4	14	10	9	8	13	16	8	10	5	7	4	11	12	5	7	13	10	6	6	10	2	2
Cumulative Total Plan	3	8	14	18	32	42	51	59	72	88	96	106	111	122	133	145	150	157	164	177	187	193	199	203	215	217
Total Actual	2	5	5	4	12	8	7	6	12	15	7	9	5	6	5	11	6	6	8	11	8	7	8	5	2	5
Cumulative Total Actual	2	7	12	16	28	36	43	49	61	76	83	92	97	103	108	129	135	141	149	160	168	175	183	188	198	203
Variance (Plan - Actual)	1	1	2	2	4	6	8	10	11	12	13	14	14	15	14	16	15	16	15	17	19	18	16	15	17	14



SENTINEL

COMMISSIONING COMPLETION

End-to-End Commissioning Management
from Construction to Operational Readiness



OIL & GAS



PETROCHEMICAL



MINING



CONSTRUCTION



"Sentinel Commissioning Completion enables project teams to move from construction completion to operational readiness with confidence.

By providing end-to-end visibility, structured workflows, and real-time progress monitoring, Sentinel helps organizations reduce commissioning risk, improve execution efficiency, and achieve a faster, safer, and more predictable path to startup and handover. "

-THANK YOU-

Contact Us

info@sentinalcompletions.com

+61 (0) 459 087 317