

# SAP Service and Asset Manager (SSAM) Deep Dive

## Choose Your Own Mobility Adventure

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Sunwater

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Asset Technology Lead  
Fortescue

## Agenda

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Introductions

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Devices, Versions and Implementation

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App Features

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Distribution Model

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Security

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Monitoring

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Business Process & Master Data

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LIVE DEMO

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Take Aways



## About us

### sunwater

Sunwater is a Queensland Government-owned corporation that supplies about 40 per cent of the water used commercially in the state. This equates to more than 1300 gigalitres (GL) a year for irrigation, industrial and urban usage. We own, operate and build bulk water infrastructure and undertake a variety of complex and often interdependent projects. These range from the design and construction of new and improved water infrastructure to the digital transformation of the way we work to ensure operational efficiency.

Our purpose is to deliver water for prosperity for the communities of regional Queensland we serve, and we understand our assets are important part of many communities and their overall economic wellbeing.



Fortescue is a global metals and green energy company, recognised for its culture, innovation and industry-leading development of infrastructure, mining assets and green energy initiatives. It operates with two divisions – Metals and Energy. Fortescue Energy is comprised of Fortescue Future Industries (FFI) and WAE Technologies.

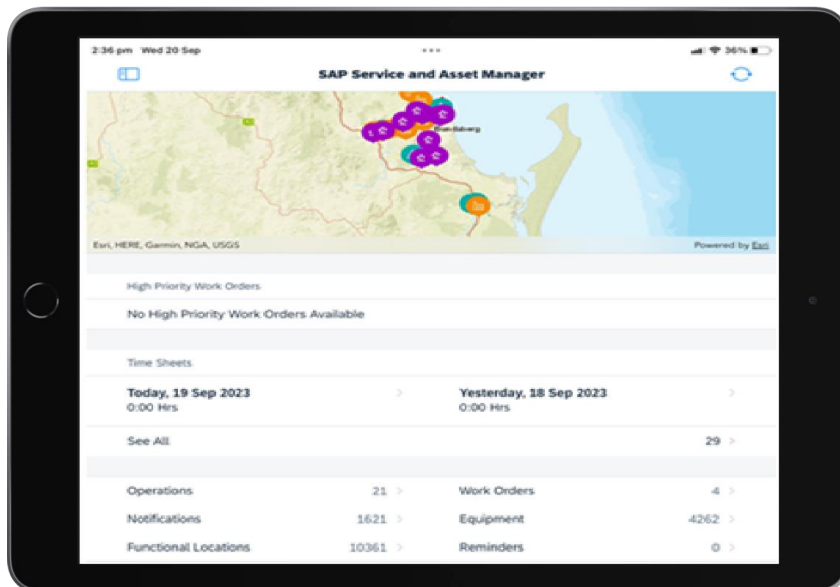
FFI is leading the green industrial revolution, acquiring and developing technology solutions for hard-to-decarbonise industries, while building a global portfolio of renewable green hydrogen and green ammonia projects. FFI is also leading the global effort to help decarbonise hard-to-abate sectors and is developing and acquiring the technology and energy supply to help decarbonise the Australian iron ore operations of one of the world's largest producers of iron ore, Fortescue Metals, by 2030 (Scope 1 and 2 terrestrial emissions).

# Devices and Versions



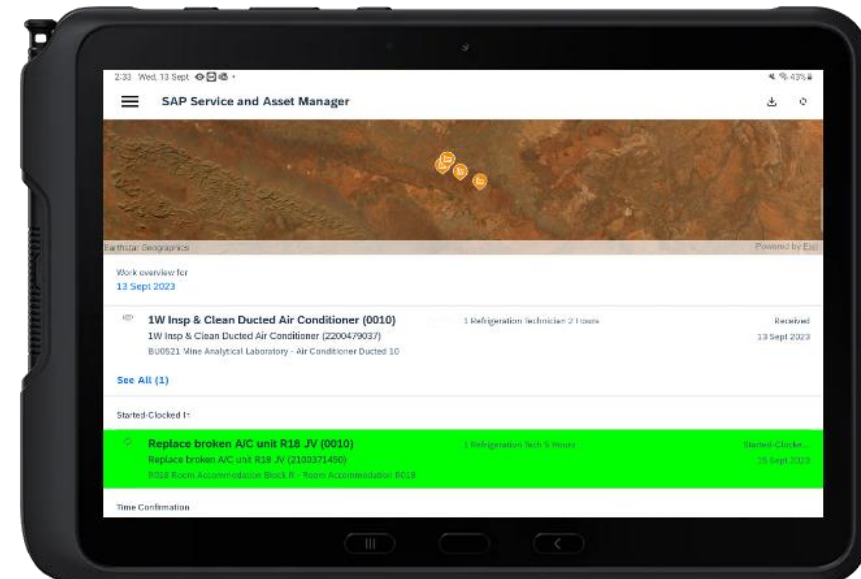
**sunwater**

- Go-live in 2020 with SAM 4.0
- Upgraded in 2021 to SAM 2010
- Upgraded in 2023 to SSAM 2205
- iPads with tough covers
- Company policy to use Apple products
- App deployed via InTune



 **Fortescue**

- Go-live in 2023 with SSAM 2205
- Upgrading to 2210
- Company policy to use Android products
- Samsung Galaxy Active Tab4 6GB (rugged device)
- Rugged cover
- Shoulder strap
- App deployed via Intune



# Implementation Methods



**sunwater**

- Pilot with 2 users from each region
- Staged roll out depot by depot
- Face to face training with two trainers
- Deploy to device via InTune using AD Groups



- Proof of Concept with SSAM 2020
- Pilot with SSAM 2205
- Implemented SSAM 2205
- 4 specific departments with gradual roll out across the business

# Application Features

*What do users do in the app?*



**sunwater**

- Map showing geo tagged Functional Locations, Equipment, Work Orders and Notifications
- Time Confirmations
- Navigate Asset Hierarchy
- Display Functional Location and Equipment master data, classification, characteristics, linear data and documents
- Display related Notifications attached to Functional Locations and Equipment
- Create Notifications
- Edit Notifications
- Receive Work Orders
- Download, mark up and upload PDF Work Instructions on Work Orders
- Start, hold and complete Operations
- Enter Measurement Documents on Functional Location, Equipment and PRTs

 **Fortescue**

- Notification, Work Orders, Time Confirmations
- Functional Locations, Equipment, Measuring Points and Measurement Documents
- Map showing geo tagged Functional Locations, Equipment
- Work overview for daily operations to be executed
- Clock In Clock Out, to Start and Time Confirmations
- Set Work Orders and Operations as Favourites
- Overview Screen shortcuts to quickly navigate to key business processes
- Vehicle Stock Lookup, used for Warehouse stock

# Distribution Model

How is data sent to the app?



**sunwater**

- Syclo User Attributes for:
  - Planner Group for Technical Objects & Notifications
  - Work Centre for Technical Objects
  - Work Centre for Notifications
  - Measuring Point Category

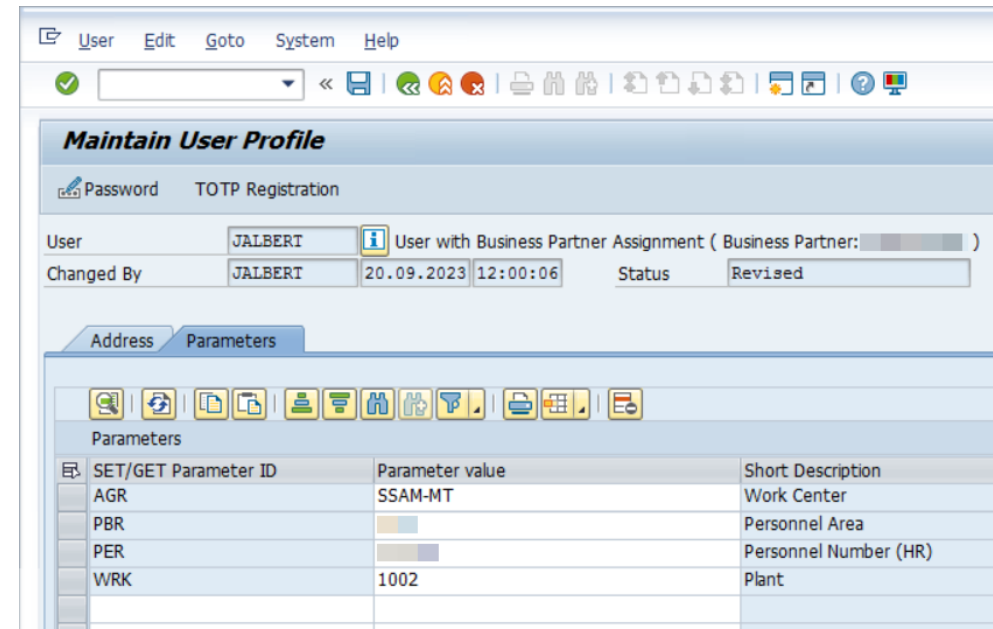
Attribute Name	Enabled	Value
<input checked="" type="radio"/> PLANNERGROUP	<input checked="" type="checkbox"/>	760
<input type="radio"/> TECHOBJWC	<input checked="" type="checkbox"/>	7600
<input type="radio"/> MPCATEGORY	<input checked="" type="checkbox"/>	C
<input type="radio"/> MPCATEGORY	<input checked="" type="checkbox"/>	M
<input type="radio"/> NOTIFWC	<input checked="" type="checkbox"/>	1000AMPN
<input type="radio"/> NOTIFWC	<input checked="" type="checkbox"/>	1000WARE
<input type="radio"/> NOTIFWC	<input checked="" type="checkbox"/>	1000CWR
<input type="radio"/> NOTIFWC	<input checked="" type="checkbox"/>	1000SURV
<input type="radio"/> NOTIFWC	<input checked="" type="checkbox"/>	1000DS
<input type="radio"/> NOTIFWC	<input checked="" type="checkbox"/>	7600
<input type="radio"/> NOTIFWC	<input checked="" type="checkbox"/>	7600CI
<input type="radio"/> NOTIFWC	<input checked="" type="checkbox"/>	7600CO
<input type="radio"/> NOTIFWC	<input checked="" type="checkbox"/>	7600EL
<input type="radio"/> NOTIFWC	<input checked="" type="checkbox"/>	7600ME
<input type="radio"/> NOTIFWC	<input checked="" type="checkbox"/>	7600OM

- Operations using Requirements Assignment

Components		Reqmnts Assignment		Relationships			
Capacity cat.		002		Person			
	Spl	Dispat...	Person	Work	W...	Normal ...	D...
	1	<input checked="" type="checkbox"/>	HLINOVSKY	40.0	HR	40.0	HR

 **Fortescue**

- Parameter ID's used to download;
  - Work Order Operations
  - Notifications
  - Time Confirmations
  - Functional Locations
  - Equipment



SET/GET Parameter ID	Parameter value	Short Description
AGR	SSAM-MT	Work Center
PBR		Personnel Area
PER		Personnel Number (HR)
WRK	1002	Plant

# Security

*How are users authorised?*



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- Single Sign On (SSO)
- One branded app
- Scan QR code to bring down meta data
- Network account
- Log on via Email address
- SAP S/4HANA account with appropriate roles assigned to Business Role
- Cloud Services account
- Syclo User Profile and Attributes
- Active Directory Groups

- Single Sign On (SSO)
- 4 branded apps Demo, DEV, QAS, PRD
- Log on via Email address
- Network account
- Log on via Email address
- SAP S/4HANA account with appropriate roles
- Gateway account with appropriate roles
- Active Directory Groups
- Pin code for the user to login to SSAM

# Monitoring

*How do support staff monitor use?*



**sunwater**

- Mobile Services on BTP
- Gateway Statistics
- Payload Trace
- Report on Time Confirmations via Asset Manager
- Report on number of Syncs per User per Month
- Report on Sync Length per User
- Microsoft Team screen sharing

 **Fortescue**

- Mobile Services on BTP
- Gateway Traces
- Reporting
  - Are Users manually syncing?
  - User Sync Start Time and End Time
  - User Sync times (0-3, 3-7, greater than 7 minutes)
  - Security Roles
  - Gateway Alias/Email
- ConnectWise

# Business Process and Master Data



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Mobile app exposes weaknesses in Business Processes and Master Data, for example:

- Supervisors TECO Work Orders too early leading to sync errors when users try to complete Operations
- Had to review Catalog Profiles and associated Damage and Object Parts for creating Notifications
- Had to create more Work Centres and update Functional Locations, Equipment, Maintenance Items and Task Lists to reduce volume of data sent to device
- Had to expand Task Lists to accommodate one Operation per person per job

Minimal business process change:

- Ensure the work order data shown on the device is the same as how they search in SAP
- Removing the need to print and scan work orders
- Using the tablet to complete PDF documents
- Documents added at header level and not operation level

## LIVE DEMO

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# Key Takeaways



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- Be prepared to modify your business processes
- Be prepared to modify your master data
- Do a pilot with a cross section of users before roll out
- Staged roll out works best with limited trainers, also gives support staff time to work through any issues
- No app is perfect, learn to adapt

 **Fortescue**

- Have key stakeholders involved e.g. Tradesperson, Supervisors
- Develop the app to stakeholders requirements
- Keep in touch with the stakeholders
- Rigorous testing
- Stage the roll out

## How to Connect with us

Email:  
Phone:  
LinkedIn:  
Twitter Handle:

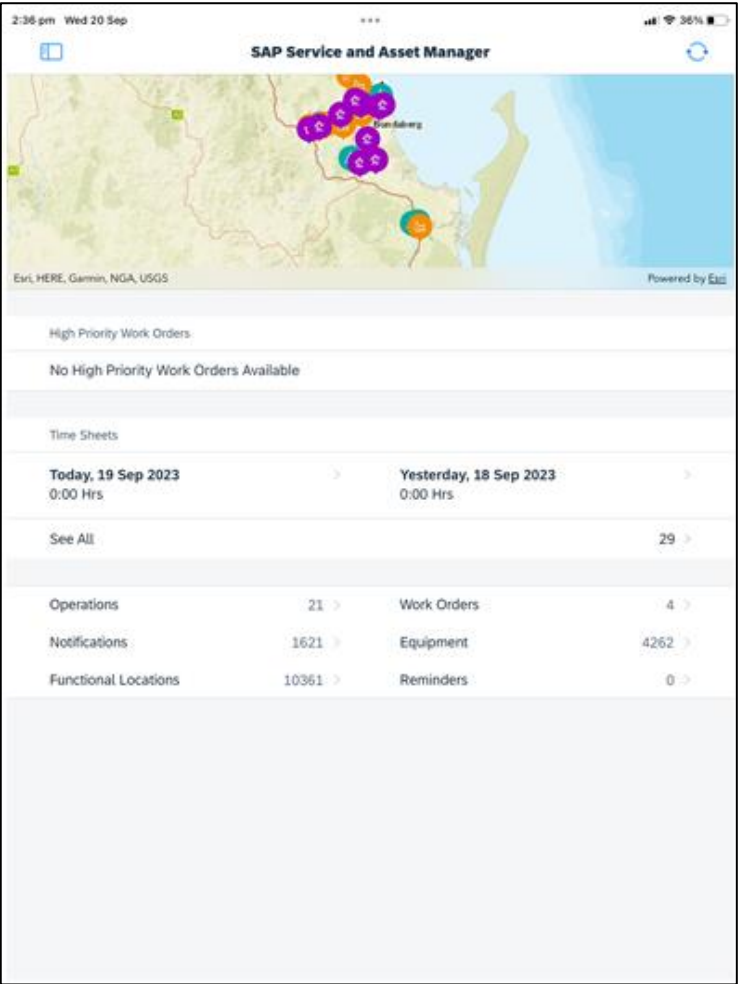
## DEMO SCREENS



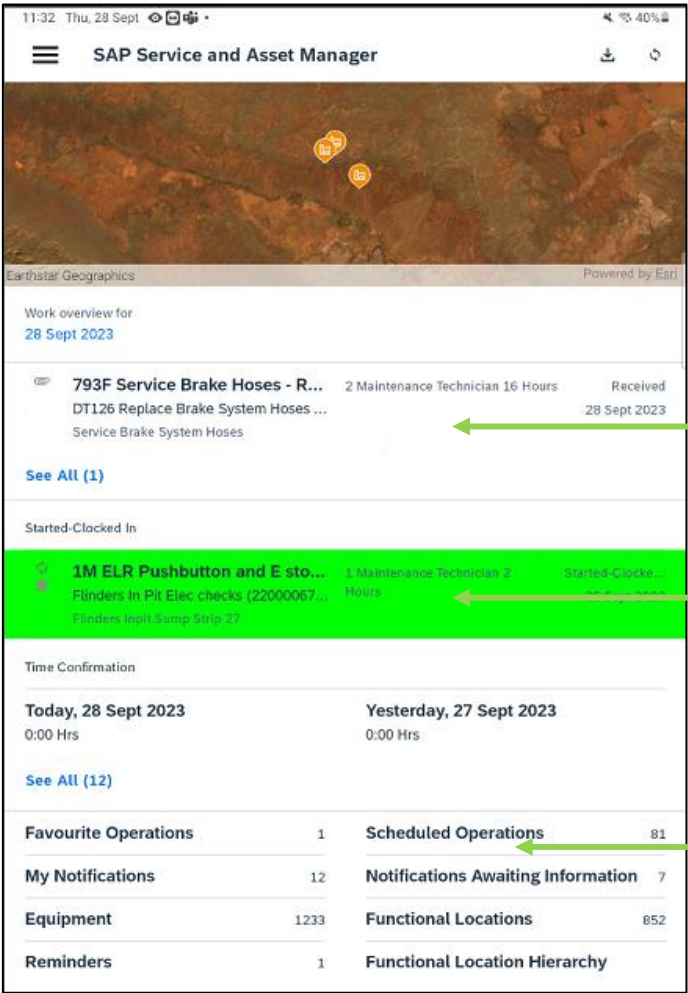
# Home Screen



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Fortescue



Work overview for the day

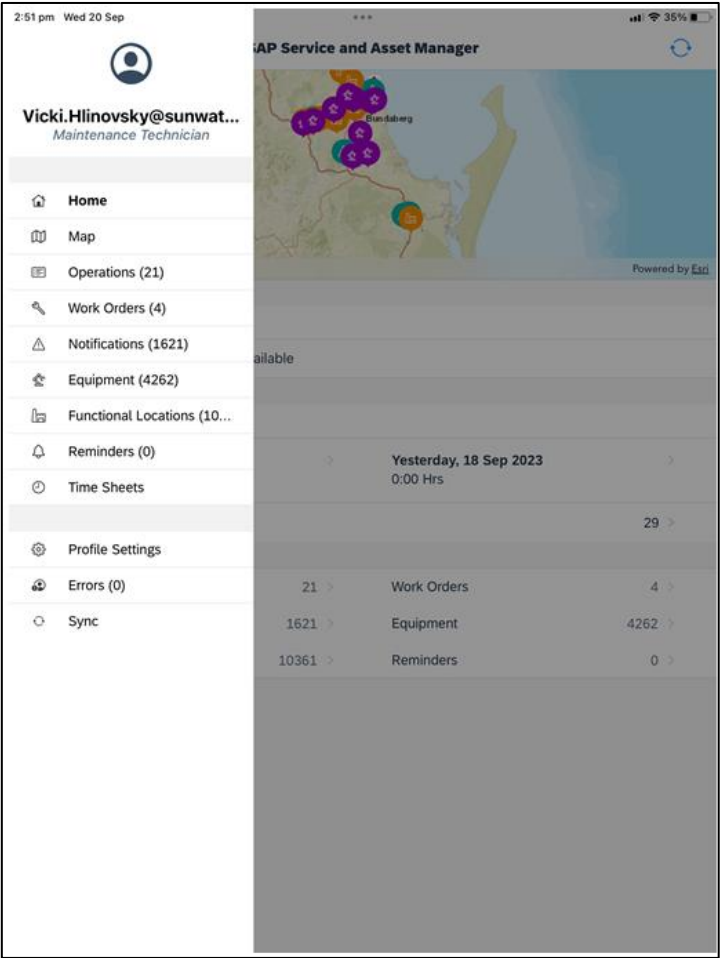
Current operation working on

Quick shortcuts

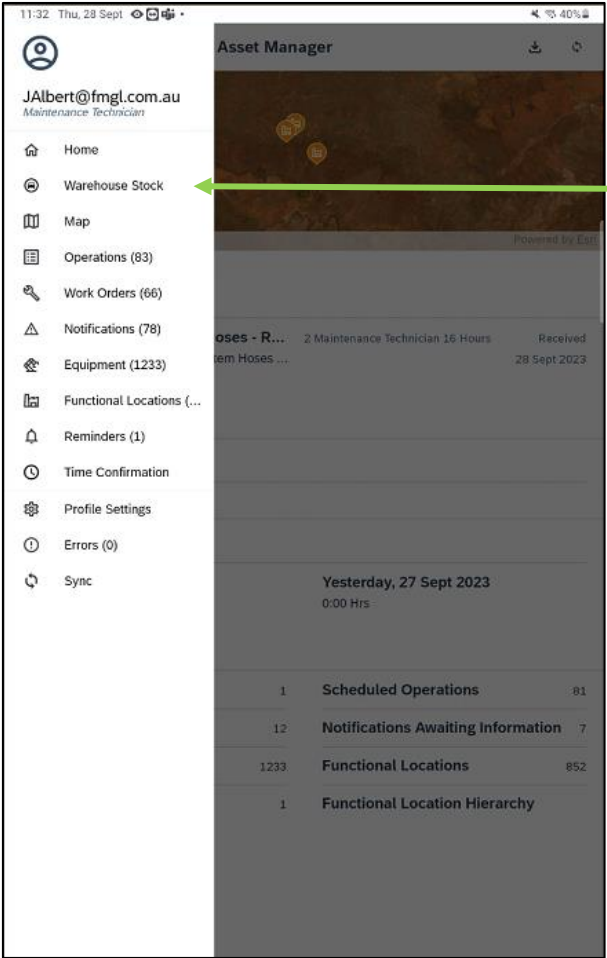
# Side Swipe Menu



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Fortescue



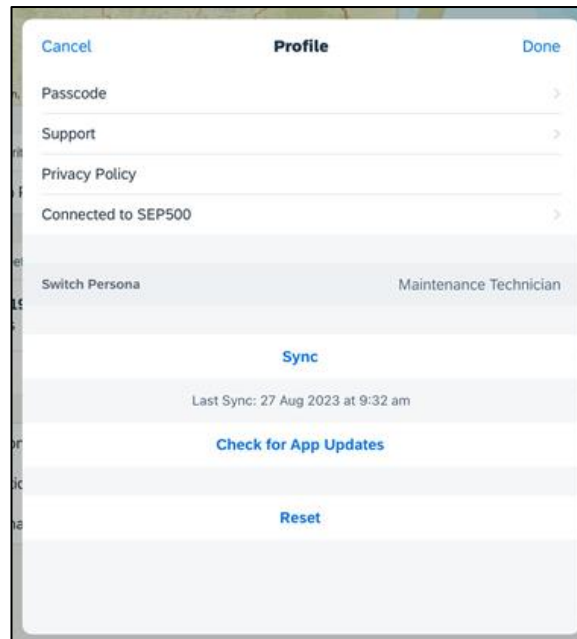
Warehouse stock to see what stock is available

# Profile Settings



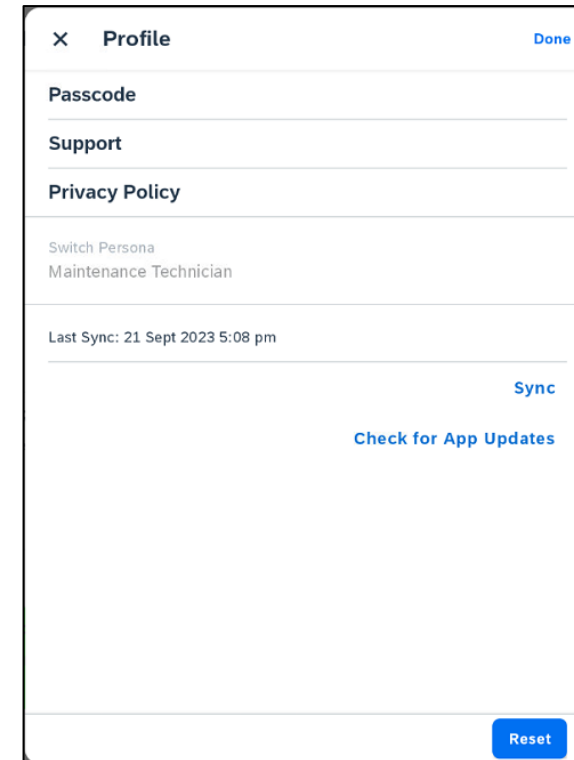
**sunwater**

- Support – users can send an email to ICT Help Desk
- Connected to indicates which client the app is currently connected to (eg. Dev, QAS, Prod)
- Sync
- Last Sync Date and Time
- Check for App Updates
- Reset



 **Fortescue**

- Support – Email or Phone Asset Management for help



# Map



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Fortescue

< SAP Service and Asset Manager

Map

Search

Results (5)

Due Today High Priority

FORESTRY RD CROSSING 22925M  
Functional Location BIISM-MCX-RDA-017

MO at 2624.98M L (LCM0001)  
Functional Location BIISLC-MCX-FMO-001

SCOUR OUTLET AT 2770.23M  
Functional Location BIISLC-MCX-SCO-005

AIR VALVE AT 2800.00M  
Functional Location BIISLC-MCX-VLA-007

AIR VALVE AT 2568.00M  
Functional Location BIISLC-MCX-VLA-006

< SAP Service and Asset Manager

Map

MO at 2624.98M L (LCM0001)  
Functional Location BIISLC-MCX-FMO-001

Directions

View Functional Location Details

Add Notification

3:11PM Thu Sep 28

< SAP Service and Asset Manager

Map

Map

Map

< SAP Service and Asset Manager

Map

Altitude valve  
rusting badly

Notification 400073232

Start Jul 13, 2023, End Aug 11, 2023

Directions

View Notification Details

Create Notification

Edit Notification

Edit Geometry

10:30 Wed, 8 Nov

Map

BU0411 Airport Terminal

Functional Location CCK

DIRECTIONS

View Functional Location De...

Add Work Order

Add Notification

Add Work Order

Map

Map

# Time Confirmations



sunwater

3:19 PM Thu Sep 28 24%

< SAP Service and Asset Manager Time Sheets

Sunday, Sep 3, 2023	0:00 Hrs	>
Saturday, Sep 2, 2023	0:00 Hrs	>
Friday, Sep 1, 2023	0:00 Hrs	>
Thursday, Aug 31, 2023	0:00 Hrs	>
Wednesday, Aug 30, 2023	0:00 Hrs	>
Tuesday, Aug 29, 2023	0:00 Hrs	>
Monday, Aug 28, 2023	0:00 Hrs	>
Sunday, Aug 27, 2023	0:00 Hrs	>
Saturday, Aug 26, 2023	0:00 Hrs	>
Friday, Aug 25, 2023	0:15 Hrs	>
Thursday, Aug 24, 2023	0:00 Hrs	>
Wednesday, Aug 23, 2023	0:00 Hrs	>
Tuesday, Aug 22, 2023	0:00 Hrs	>
Monday, Aug 21, 2023	0:00 Hrs	>

Fortescue

12:28 Thu, 26 Oct 63%

< Time Confirmation

Today, 26 Oct 2023	0:00
Yesterday, 25 Oct 2023	0:00
Tuesday, 24 Oct 2023	0:00
Monday, 23 Oct 2023	0:00
Sunday, 22 Oct 2023	0:00
Saturday, 21 Oct 2023	0:00
Friday, 20 Oct 2023	0:00
Thursday, 19 Oct 2023	0:00
Wednesday, 18 Oct 2023	0:00

Only show the last 8 days

# Add Time Confirmation



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Fortescue

View Time Confirmations already entered

Only shows assigned Work Orders & Ops

3:32 pm Wed 4 Oct

< Time Sheets Wednesday, 4 October 2023 +

Work Order	Operation	Hours
BI-3M-ME-INSP-PSTNDB	BIA-3M-ME-INSP-PSTNDB	0:15
BI-3M-ME-INSP-PSTNDB	BIA-3M-ME-INSP-PSTNDB	2:15
		2:30

Cancel Add Time Done

Date 4 Oct 2023

Duration 0 Hrs 15 Min

Work Order None >

Operation None

Suboperation None

Work Center None

12:29 Thu, 26 Oct 63%

< Op X Add Time Confirmation Apply

Work Order 202026281 - 6Y Replace HS Brake Caliper CV901 DR03

Date 26 Oct 2023

Start Time 12:14 pm

Duration 0 Hrs 15 Min

Operation 0010 - 6Y Replace HS Brake Caliper CV901 DR03 >

Variance Reason Select >

Set as Final Confirmation

Confirmation Text Confirmation Text

Hidden fields not required

- Sub-Operation
- Activity Type
- Account Indicator

Relabelled Notes to Confirmation Text

# Operations List



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Search for Operations by Description

Start, Hold and Complete Operations and add Time Confirmations

Sort by Operation End Date

3:21PM Thu Sep 28

SAP Service and Asset Manager

Operations (24)

Filter

Search

DAM SVL-PARADISE-Tri-Weekly- Wk2 (0020) 520016935 May 24, 2023	Operation Start : Jan 12, 2022 Operation End : Jan 13, 2022	Received
DAM SVL-PARADISE-Tri-Weekly- Wk3 (0030) 520016935 May 24, 2023	Operation Start : Jan 19, 2022 Operation End : Jan 20, 2022	Hold
Joint Pin Read No 2 L-Abut Chainage 155 (0... 520016935 May 24, 2023	Operation Start : Jan 19, 2022 Operation End : Jan 19, 2022	Start
Joint Pin Read No 4 R-Abut Chainage 590. (... 520016935 May 24, 2023	Operation Start : Jan 19, 2022 Operation End : Jan 19, 2022	Hold
Joint Pin Read No 5 R-Abut Chainage 635. (... 520016935 May 24, 2023	Operation Start : Jan 19, 2022 Operation End : Jan 19, 2022	Received
Joint Pin Read No 6 R-Abut Chainage 680. (... 520016935 May 24, 2023	Operation Start : Jan 19, 2022 Operation End : Jan 19, 2022	Received
DAM SVL-PARADISE-Tri-Weekly- Wk4 (0040) 520016935 May 24, 2023	Operation Start : Jan 27, 2022 Operation End : Jan 27, 2022	Received
Joint Pin Read No 7 R-Abut Chainage 700 (0... 520016935 May 24, 2023	Operation Start : Jan 27, 2022 Operation End : Jan 27, 2022	Received
Joint Pin Read No 8 R-Abut Chainage 725 (0... 520016935 May 24, 2023	Operation Start : Jan 27, 2022 Operation End : Jan 27, 2022	Received
Joint Pin Read No 9 R-Abut Chainage 770 (0... 520016935 May 24, 2023	Operation Start : Jan 27, 2022 Operation End : Jan 27, 2022	Received

12:32 Thu, 26 Oct

Operations (94)

Search

1W CV903 GBox Oil check / Fil... 1W CV903 GBox Oil check / Fill (2200... Drive 1 Product Transfer Conveyor	1 Anderson Point Fitter 1 Hour	Received 18 Oct 2023
1W CV903 GBox Oil check / Fil... 1W CV903 GBox Oil check / Fill (2200... Drive 1 Product Transfer Conveyor	1 Anderson Point Fitter 1 Hour	Completed 18 Oct 2023
17W Outload 1 AP Shut Isolati... 17W Isolate & Commission AP Shut O... Reclaiming	2 Anderson P	
17W Outload 1 AP Shut Com... 17W Isolate & Commission AP Shut O... Reclaiming	2 Anderson Point Fitter 5 Hours	Received 18 Oct 2023
6Y Replace HS Brake Caliper ... 6Y Replace HS Brake Caliper CV901 ... Drive 3 Primary Inload Product Conveyor...	2 Anderson Point Fitter 6 Hours	
*OM*Adj Dr 1,3,4 HS brakes C... *OM*Adj Dr 1,3,4 HS brakes CV901 (2... Drive 3 Primary Inload Product Conveyor	1 Anderson Point Fitter 6 Hours	
1W Mech ON Inspec Conveyo... 1W Mech ON In... Conveyor Product Feed to SK705	1 Anderson Point Fitter 2.5 Hours	Received 20 Oct 2023
1W Mech ON Inspect Conveyo... 1W Mech ON Insp Conv CV909 (2200... Conveyor Product Feed to CV918	1 Anderson Point Fitter 2.5 Hours	Received 20 Oct 2023

Swipe to save as a Favourite

Work Order description  
Functional Location &  
Equipment

No of people, type  
of trade and  
duration

Earliest Start Date

20 Oct 2023

# Operation Display



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Fortescue

Permits from WO

**High Level Warning**

The functional location/ equipment shown on this work order has an item below it on the asset hierarchy that is flagged with one or more of the following safety conditions:

- Asbestos containing material.
- Confined space.
- Restricted access.

Permits and/or special requirements may be required before you can work on this asset.

Please contact your supervisor before you can proceed with this job. For Asbestos containing material, refer to the Asbestos Register for more details.

Close

3:20 pm Wed 4 Oct

Operations (2)

Operation 0010

Operation Details

Assigned To

Unassigned

Description

BIA-3M-ME-INSP-PSTNDB

Control Key

PM01

Work Center Plant

1000

Work Center

3400

Signature

Operation Start Date

1 Oct 2023

Operation End Date

1 Oct 2023

⚠

Permits

High Level

Suboperations

No Suboperation Available

BIA-3M-ME-INSP-PSTNDB

510025016

2 Oct 2023

Equipment

No Equipment Available

Documents

0

Notes

0

PRT

7

Parts

0

Related Notifications

0

Linear Data

Start Operation

Access Work Order

Open PRTs

12:33 Thu, 26 Oct

Operation 0010

Work Order

6Y Replace HS Brake Caliper ...

20 Oct 2023

202026281 - PM02

Drive 3 Primary Inload Product Conveyor...

Medium Received

Work Order Notes

6Y Replace HS Brake Caliper CV901 DR03

No new calipers in stock. 4/4/23

Catch up with Tank.

...

Operation Details

Assigned To

Unassigned

Description

6Y Replace HS Brake Caliper CV901 DR03

Control Key

AMIN

Work Center Plant

1008

Work Center

APMM-FT

Signature

Tech Assigned

2

Duration (per Tech)

6

Duration UOM

H

Documents

2

Notes

0

Parts

16

Related Notifications

0

Confirmations

0

Start & Confirm

Confirm

Move Work Order

Work Order Long Text

Tech Assigned  
Duration  
Duration UoM

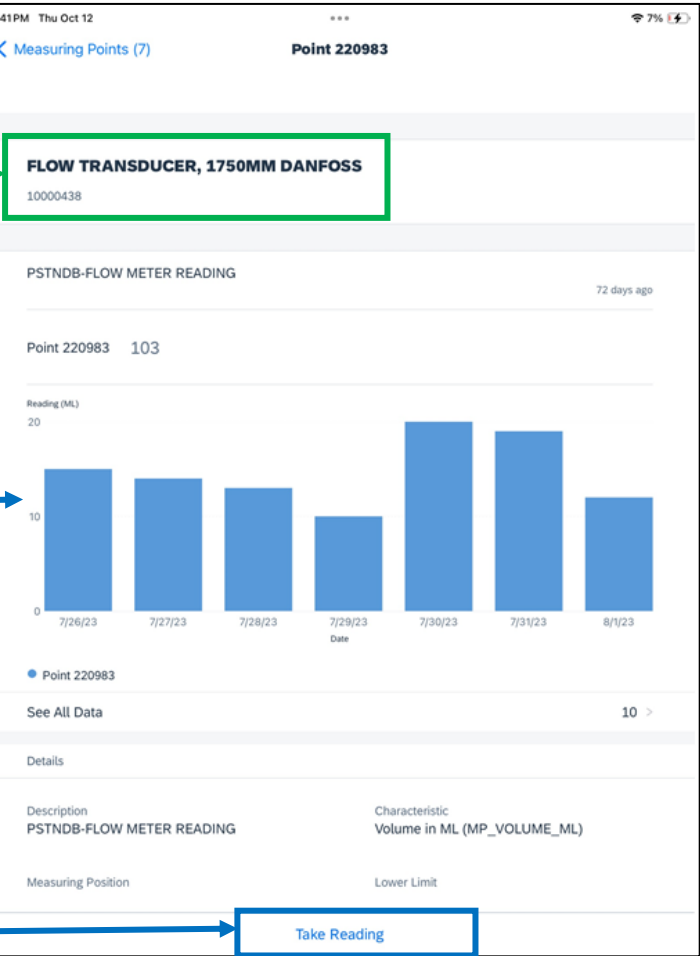
# PRT – Measuring Points



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Added FLOC/EQ & Description



View last 10 readings on a graph

Take Reading

Take Reading

# Work Order List

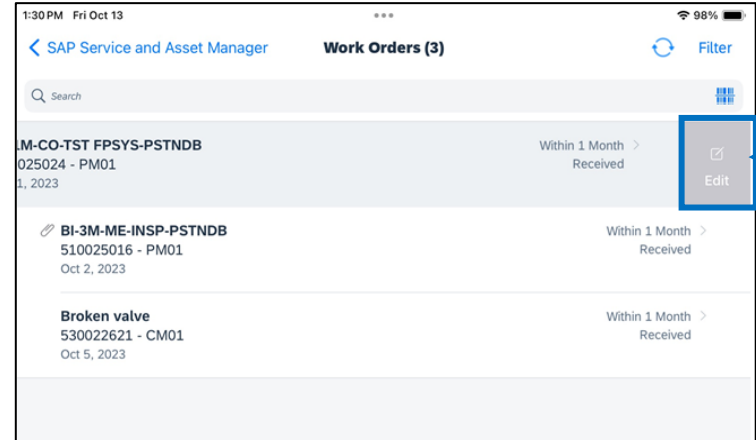
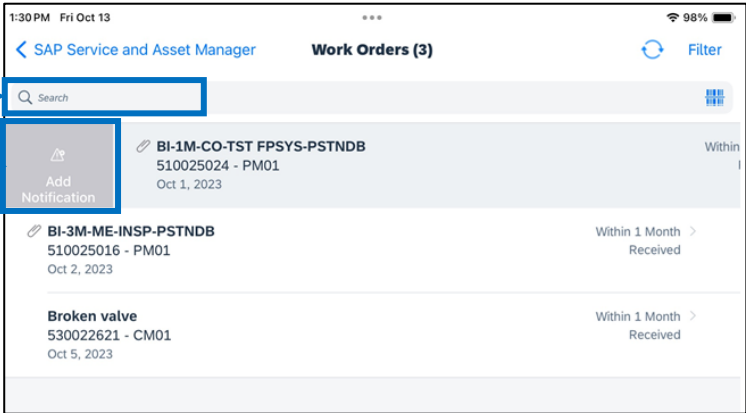


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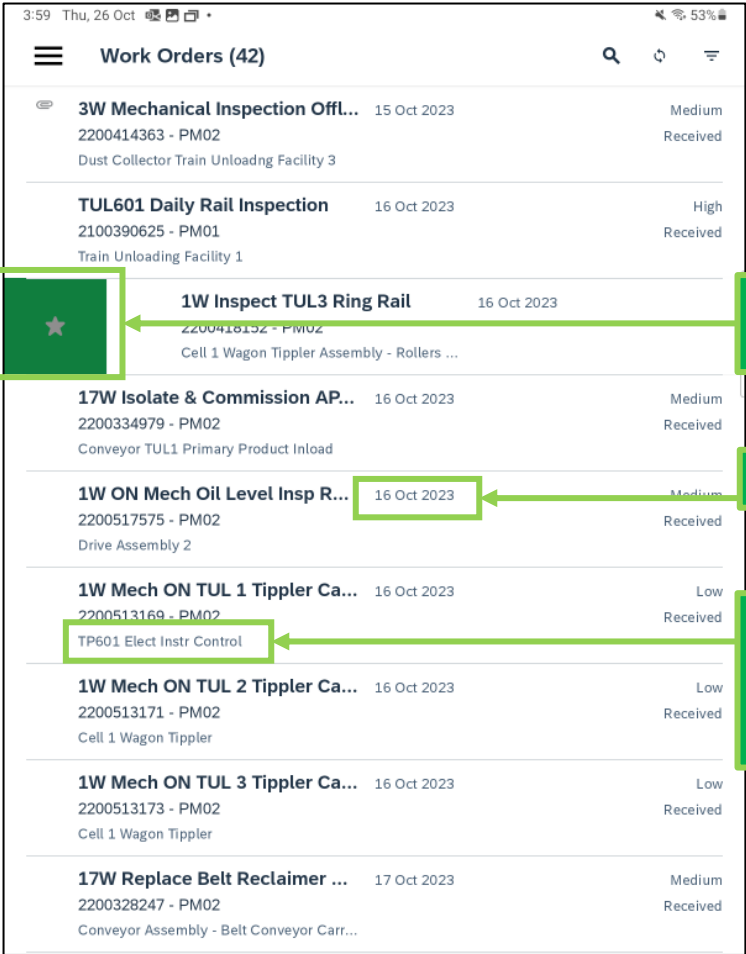


Search

Swipe left to right to Add Noti



Swipe right to left to Edit WO



Swipe to save as a Favourite

Basic Start Date

Functional Location and Equipment description

# Work Order Display



sunwater

3:23 PM Thu Oct 12

Work Orders (3)

Work Order 510025024

Edit

+

BI-1M-CO-TST FPSYS-PSTNDB

PM01 Received

Within 1 Month

FIRE ALARM SYSTEM (BIISPS-PST-001-BLD-DEF)

Location

DON BEATTIE PUMP STATION

Order Details

Assigned To

Planner Group

-

340 - BLM

Main Work Center

Requested Start Date

3400SD - BLM Service Delivery

Oct 1, 2023

Due Date

Oct 1, 2023

Operations

Inspect Fire System-Assist (0010)

510025024

Oct 1, 2023

Received

See All

1

Equipment

No Equipment Available

Functional Location

FIRE ALARM SYSTEM

BIISPS-PST-001-BLD-DEF

See All

1

Notification

BI-1M-CO-TST FPSYS-PSTNDB

400071991 - M1

Oct 1, 2023

Within 1 Month

Received

Parts

Documents

Notes

1

Related Notifications

14

Object Lists

1

Start Work Order

Access Operations

Access Functional Location

Access Notification

Access Documents



## Work Order Notes (Long Text)

12:36 Thu, 26 Oct

Work Order 2200418152

PM02 Received

High

1W Inspect TUL3 Ring Rail

Rollers Tippler Support A & B (300014439)

Cell 1 Wagon Tippler Assembly (APT-IL-TRUL-TUL003-TP605 -ASBLY)

Location

No Location Available

Notes

1W Inspect TUL3 Ring Rail

visual inspect the TUL3 TP605 Ingo rail at the B/C joint for 3 x bolts missing, Cell 1 Outgo rail B/C join x 1 bolt and Cell 2 ingo B/C 1 x bolt missing.

Please report any changes through to Supervisor for escalation.

Order Details

Assigned To

Planner Group

-

A23

Main Work Center

Requested Start Date

APMM - Anderson Point Mechanical

16 Oct 2023

Due Date

16 Oct 2023

Operations

1W Inspect TUL3 Ring Rail (00...

1 Anderson Point Fitter 2 Hours

Received

2200418152

16 Oct 2023

Cell 1 Wagon Tippler Assembly - Rollers ...

See All (1)

Equipment

Rollers Tippler Support A & B

300014439

See All (1)

Technically Complete

Work Order Long Text

# Work Order - Documents



sunwater



3:22 pm Thu 26 Oct

Work Order 520024754 Documents (1)

Search

PDF V2-TAR-12M-ME-INSP-PSTNM.PDF

Test

722.56 KB

Download icon

PDF V2-TAR-12M-ME-INSP-PSTNM.PDF

Test

724.66 KB

Open icon

Download document  
(must have service)

Icon changes to  
Open once  
downloaded

Files 3:25 pm Thu 26 Oct

Done

BYR-12M-Mechanical Inspection-Melrose Pump Station

WORK ORDER:

UNIT: PUMP UNIT 1 (UN01)

PUMP (UN01-PUMP)

1. Replace bearing lube oil.

2. Replace motor bearing lube oil.

2. ✓

2. 1. Remove coupling cover

2. Remove grease and inspect teeth.

3. Re-lubricate with fresh grease, (refer manufacturers recommendations).

4. 1/8" O-ring cord to be used between 2 coupling halves.

3. ✓

3. 1. Inspect actuator mechanism:

1.1. Latching mechanism.

1.2. Hydraulic cylinder nose seal/bush, clevis and pins.

2. ✓

DISCHARGE VALVE (UN01-DISV)

4. 1. Remove Rotork actuator gearbox cover and check for the evidence of moisture ingress.

2. Perform discharge valve leak test:

2.1. Close suction and discharge valves.

2.2. Drain water between Non-Return Valve and Discharge valve.

2.3. Listen/look for water leaking past discharge valve.

4. ✓

BYPASS PIPEWORK AND ISOLATION VALVES PUMP UNIT 01 (PIPE-BYPASS)

5. 1. Inspect externally and test gate valve.

2. Check valve for corrosion, gland leakage, seizure, and seating.

3. Check pipe work and all flanges for leaks.

5. ✓

UNIT: PUMP UNIT 2 (UN02)

Save to device  
(or One Drive  
for shared  
documents) and  
edit in Adobe

# Functional Location List



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Fortescue

Search by Description  
or FLOC Label

Swipe left to right to  
Add Notification

Swipe right to left to  
Take Readings

12:38 Thu, 26 Oct 62%

Functional Locations (837)

Drive Assembly 1

Anderson Point (1008), APMM

APT-IL-CNVY-CONVEY-CV916 - DRV01, Port Conveying

Compressor Air Supply Train Unloading

Anderson Point (1008), APMM

APT-IL-TRUL-TUL003-CP603 - CP03, Port Train Unloading

SAI008 Saline Injection Bore

SONUT-WTRS-SIJBFD-SAI008

Indexer Drive Assembly 6

Anderson Point (1008), APMM

APT-IL-TRUL-TUL003-IN603 - DRV06, Port Train Unloading

Transfer Station CV902,CV903,CV908,CV909

Anderson Point (1008), APMM

APT-IL-CNVY-TS906, Port Conveying

Fan Ventilation Discharge Vault & Tunnel

Anderson Point (1008), APMM

APT-IL-TRUL-TUL002-FN613, Port Train Unloading

Power Pack Hydraulic Wheel Locks

Anderson Point (1008), APMM

APT-IL-TRUL-TUL003-WK607 - PP617, Port Train Unloading

DC601 Dust Collector Assembly

Anderson Point (1008), APMM

APT-IL-TRUL-TUL001-DC601 - ASBLY, Port Train Unloading

Sprays CV901 Fogging System Assembly

Anderson Point (1008), APMM

APT-IL-TRUL-TUL001-SY602 - ASBLY, Port Train Unloading

Swipe left to right to  
Add Notification

# Functional Location Display



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12:51PM Fri Oct 13

Functional Locations (10357)

Functional Location

Edit

...

**SUBMERSIBLE PUMP, NO.2**  
BIABPS-PST-PUN-002-PUB

Location

BIABPS - ABBOTSFORD PUMP STATION

Functional Location Details

Category

M - Maintainable Item

Type

SUBMERSIBLE PUMP

Model No.

-

Work Center

BLM Distribution

Plant

1000 - Sunwater Brisbane

Location

ABBOTSFORD PUMP STATION

Room

WBIG

Section

SW

Manufacturer

-

Inventory No.

-

Part No.

-

Serial No.

-

Superior FLOC

BIABPS-PST-PUN-002

Measuring Points

Measuring Points

External Coating / Surface / ... 1710 days ago

1 Condition

Point 88783

2/6/19

Foundation and/or Baseplate 1710 days ago

1 Condition

Point 88784

2/6/19

Winding Insulation & Power... 1710 days ago

1 Condition

Point 88785

5/31/16

2/6/19

See All Data

6 >

Equipment

**PUMP, SUBM XYLEM**

10039501

Installed >

See All

1 >

Documents

BIABPS-PST-PUN-002-PUB 2378 Deferral of refurb from 2015-2016 29012014.txt

2378 Deferral of refurb from 2015-2016 2

238

BIABPS-PST-PUN-002-PUB 27062011 RE Pp pricing - new refurb.htm

27062011 RE Pp pricing - new refurb

14.94 KB

OPEN

See All

13 >

Related Work Orders

0 >

Related Notifications

3 >

Business Partners

0 >

Classifications

3 >

Hierarchy

>

Notes

1 >

Measuring Points

Master data fields

Documents (need service)

Other Objects linked to FLOC

Fortescue

1:42 Wed, 4 Oct

Functional Location

...

**YD0003 Conveyor Belt Service Yard**  
CCK-P2-SERV-INF001-YD0003

Location

PPLT-SERV - Process Plant Services

Pending Notifications

**415Vx 32A Power Lead Damaged**

1100208306

12 June 2023

Low AM

**Garden T.Pond-Cut Used Fabric Conv Belts**

1100046763

8 Mar 2022

Low AM

[See All \(4\)](#)

Functional Location Details

Category

A - Asset Functional Location

Type

-

Model No.

-

Work Center

-

Plant

1002 - Christmas Creek

Location

Process Plant Services

Room

-

Section

INF

Manufacturer

-

Inventory No.

-

Part No.

-

Serial No.

-

Superior FLOC

CCK-P2-SERV-INF001

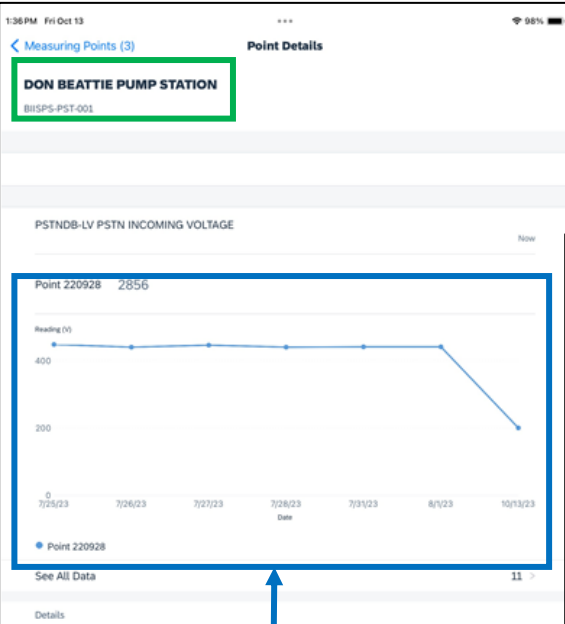
Measuring Points

Outstanding Notifications

# Functional Location – Measuring Points



sunwater



Last 10 readings

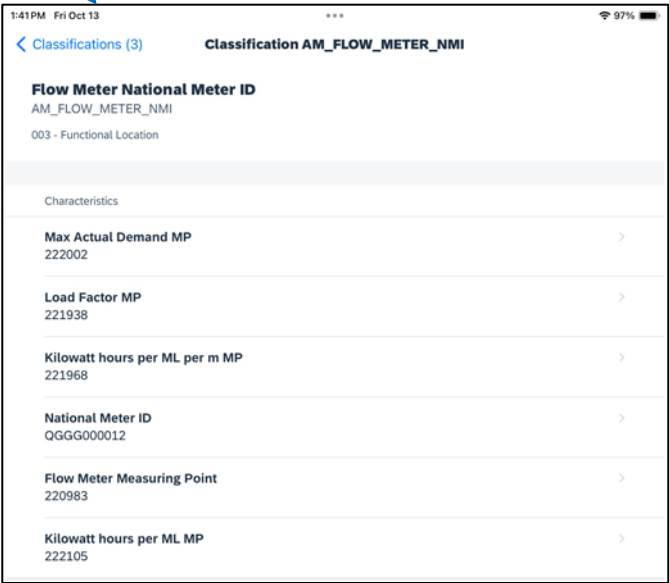
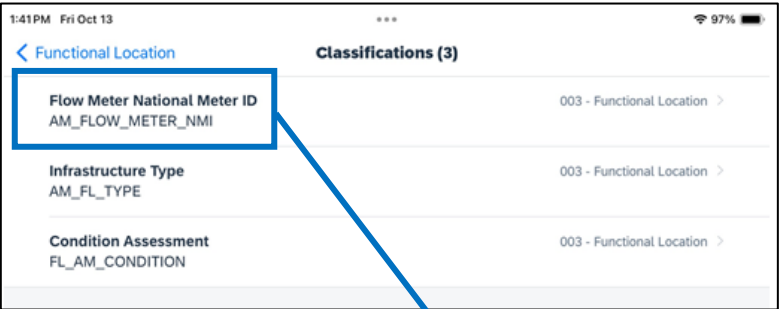
Enhancement Fields:  
FLOC/EQ & Description  
Measuring Position  
Text

Details	
Description	PSTNDB-LV PSTN INCOMING VOLTAGE
Characteristic Voltage (MP_VOLTS)	
Measuring Position	Lower Limit
Unit of Measure	Upper Limit
V	
Text	
Current Reading	
Reading	Valuation Code
200 V	
Previous Reading	
Reading	Date
441 V	Aug 1, 2023
Time	Read By
8:52 AM	LLOYDJONESL
Valuation Code	Counter Difference
Take Reading	

# Functional Location Display – Class/Characteristics



sunwater



# Linear Data



sunwater



Related Work Orders	0 >	Related Notifications	0 >
Business Partners	0 >	Classifications	2 >
Hierarchy	>	Linear Data	>
Notes	1 >		

2:12 pm Thu 9 Nov

\*\*\*

100%

< Functional Location

Linear Data

Details

Linear Reference Pattern	Length
BIWOAU-MCX	1640 M
Start Point	End Point
0 M	1640 M
Start Marker	End Marker
Distance From Start Marker	Distance From End Marker
-	-
Offset 1	Offset 2
-	-

# Asset Hierarchy





sunwater



1:44 PM Fri Oct 13	***	97
Functional Location		
Hierarchy		
6	DON BEATTIE PUMP STATION BIISPS-PST-001 Functional Location	19
	DEFORMATION SURVEY POINTS BIISPS-PST-001-INN Functional Location	
	SAFETY PLATFORM (SURVEY... BIISPS-PST-001-LAD Functional Location	
	METAL STRUCTURE BIISPS-PST-001-MWK Functional Location	
	PIPE BIISPS-PST-001-PIP Functional Location	3
	PUMP UNIT BIISPS-PST-001-PUN	
	PUMP UNIT 1 BIISPS-PST-001-PUN-001 Functional Location	6
	PUMP UNIT 2 BIISPS-PST-001-PUN-002 Functional Location	6
	PUMP UNIT 3 BIISPS-PST-001-PUN-003 Functional Location	6

1:45 PM Fri Oct 13	***	97%
Functional Location		
Hierarchy		
	PUMP UNIT 1 BIISPS-PST-001-PUN-001 Functional Location	6
	PUMP UNIT 2 BIISPS-PST-001-PUN-002 Functional Location	6
	PUMP UNIT 3 BIISPS-PST-001-PUN-003 Functional Location	6
3		
3		
5		
	PUMP UNIT 1 BIISPS-PST-001-PUN-001 Functional Location	6
	COOLING WATER SYSTEM BIISPS-PST-001-PUN-001-CWS Functional Location	4
	ZORC SURGE PROTECTION 10037892 Equipment	
	PUMP UNIT 2 BIISPS-PST-001-PUN-002 Functional Location	6
	ELECTRIC MOTOR BIISPS-PST-001-PUN-001-MOE Functional Location	2
	MOTOR, ELECTRIC 10041406 Equipment	
	PUMP UNIT 3 BIISPS-PST-001-PUN-003 Functional Location	6
	PUMP BIISPS-PST-001-PUN-001-PUM Functional Location	1
	MOTOR STARTER BIISPS-PST-001-PUN-001-STM Functional Location	
	SUCTION VALVE BIISPS-PST-001-PUN-001-VLX Functional Location	1
	DISCHARGE VALVE BIISPS-PST-001-PUN-001-VLZ Functional Location	2

1:40 Sat, 11 Nov   83%

←

Hierarchy

10	<div><div>Aerodrome Ablution Buildings</div><div>CLB-NP-AIRP-ABLUTB</div><div>Functional Location</div></div> <div>2</div>	<div><div>BU0228 Check-in Building</div><div>CLB-NP-AIRP-ADMINB-BU0228</div><div>Functional Location</div></div> <div>17</div>	<div><div>General Light &amp; Pwr</div><div>300180338</div><div>Equipment</div></div>
32	<div><div>Aerodrome Administration Build...</div><div>CLB-NP-AIRP-ADMINB</div><div>Functional Location</div></div> <div>4</div>	<div><div>BU0229 Departure Building</div><div>CLB-NP-AIRP-ADMINB-BU0229</div><div>Functional Location</div></div> <div>20</div>	<div><div>Shed Struc Airport Baggage BU2055</div><div>300184967</div><div>Equipment</div></div>
	<div><div>Aerodrome Communications Equi...</div><div>CLB-NP-AIRP-COMMNC</div><div>Functional Location</div></div>	<div><div>BU2055 Baggage Shed</div><div>CLB-NP-AIRP-ADMINB-BU2055</div><div>Functional Location</div></div> <div>3</div>	<div><div>Air Con Split 01</div><div>300205498</div><div>Equipment</div></div>
	<div><div>Aerodrome Fire Detection &amp; Suppr...</div><div>CLB-NP-AIRP-FIRESS</div><div>Functional Location</div></div>	<div><div>BU2057 Undercover Area</div><div>CLB-NP-AIRP-ADMINB-BU2057</div><div>Functional Location</div></div> <div>2</div>	
	<div><div>Airport Fuel Facility</div><div>CLB-NP-AIRP-FUEL01</div><div>Functional Location</div></div> <div>2</div>		
	<div><div>Aerodrome Operations Buildings</div><div>CLB-NP-AIRP-OPERAB</div><div>Functional Location</div></div> <div>3</div>		
	<div><div>Aerodrome Power Distribution</div><div>CLB-NP-AIRP-POWDIS</div><div>Functional Location</div></div> <div>1</div>		

# Equipment List



sunwater



Search

Swipe left to right  
to Create Noti

1:51PM Fri Oct 13			SAP Service and Asset Manager		Equipment (4,263)	Filter
Q Pump					Cancel	
PUMP, VPS - 1000			Sunwater Brisbane (1000), 3400		Installed >	
10000950						
PUMP CARTRIDGE, INDENG - 56630 - 1000			Sunwater Brisbane (1000), 3400		Installed >	
10003342						
PUMP, 450MM INDENG - 47080 - 1000			Sunwater Brisbane (1000), 3400		Installed >	
10003343						
PUMP CARTRIDGE, 450MM INDENG - 47082 - 1000			Sunwater Brisbane (1000), 3400		Installed >	
10003345						
PUMP CARTRIDGE, 450MM INDENG - 47079 - 1000			Sunwater Brisbane (1000), 3400		Installed >	
10003347						
PUMP CARTRIDGE, 450MM INDENG - 47081 - 1000			Sunwater Brisbane (1000), 3400		Installed >	
10003350						
PUMP, SUBM FLYGT - 1000			Sunwater Brisbane (1000), 3400		Installed >	
10005686						
PUMP, SUMP GRUNDFOS - 1000			Sunwater Brisbane (1000), 3400		Installed >	
10014046						
PUMP, 5.5KW SUBM TSURUMI - 1000			Sunwater Brisbane (1000), 3400		Installed >	
10020590						
PUMP, 100MM SUBM TSURUMI - 1000			Sunwater Brisbane (1000), 3400		Installed >	
10020731						

3:57 Thu, 26 Oct			Equipment (2,292)		Filter
Conveyor Carry Belt 1800x21mm - 1008			Anderson Point (1008), APCW		Installed
300004295					
Weigher Cell A - 1008			Anderson Point (1008), APEE		Installed
300004296					
Weigher Cell B - 1008			Anderson Point (1008), APEE		Installed
300004297					
Weigher Cell C - 1008			Anderson Point (1008), APEE		Installed
300004298					
Pulleys Rope & Sheaves - 1008			Anderson Point (1008), APMM		Installed
300004299					
General Structure Take Up Tower - 1008			Anderson Point (1008), APMM		Installed
300004300					
Winch Super Crane 23T WLL - 1008			Anderson Point (1008), APMM		Installed
300004301					
Brake Assembly High Speed - 1008			Anderson Point (1008), APMM		Installed
300004302					
Coupling High Speed c/w 710mm Brake Disc - 1008			Anderson Point (1008), APMM		Installed
300004303					

# Equipment Display



sunwater



1:55 PM Fri Oct 13

Equipment (4,263)

Equipment 10003343

Edit

\*\*\*

PUMP, 450MM INDENG - 47080

Installed

Location

BIWOPS-PST - WALKER STREET PUMP STATION

Equipment Details

Plant

1000 - Sunwater Brisbane

Work Center

BLM Distribution

Superior Equipment

-

Manufacturer

INDUSTRIAL ENG

Model Number

SLA 15-18

Part Number

-

Serial Number

47080

Inventory Number

-

Section

SW

Room

WBIG

Measuring Points

1:55 PM Fri Oct 13

Equipment (4,263)

Equipment 10003343

Edit

\*\*\*

Measuring Points

External Coating / Surface / ...

1 Condition

1547 days ago

Point 57357

7/8/18

6/20/18

7/19/19

Foundation and/or Baseplate

1 Condition

1547 days ago

Point 57358

7/8/18

6/20/18

7/19/19

Pump

3 Condition

1541 days ago

Point 57359

7/8/18

6/20/18

See All Data

6 >

Equipment

No Equipment Available

Documents

10003343 20160710\_Base.JPG

20160710\_Base

2.93 MB

10003343 20160710\_Gen.JPG

20160710\_Gen

2.83 MB

See All

5 >

Related Work Orders

0 >

Related Notifications

0 >

Warranties

0 >

Business Partners

0 >

Classifications

4 >

Hierarchy

>

Master Data

Documents

Other Objects  
linked to EQ

1:45 Wed, 4 Oct

Equipment 300134849

\*\*\*

GENSET 230KVA GN2004

Installed

GENSET M

Bay 8 Breakdown (CCK-UT-WTRS-LAYDOWN-BAY008)

Location

UTIL-WTRS - Utilities Water Resources

Pending Notifications

GN2004 Investigate making oil & low powe

1100175045

22 Feb 2023

Medium

AM

See All (1)

Equipment Details

Plant

1002 - Christmas Creek

Work Center

CC Water Resources

Superior Equipment

-

Manufacturer

FG Wilson

Model Number

P250-3

Part Number

-

Serial Number

FGWPSG02JPC500384

Inventory Number

-

Section

YRD

Room

-

Measuring Points

Genset Run Hours GN2004

0Hour

78 days ...

Point 500106004

Outstanding  
Notifications



1:58 Wed, 4 Oct 41% 4G

← Full X Add Notification Save

**Tower T**  
CCK-UT-CO

Type  
M2 - Malfunction Report >

Notification Description  
Notification Description

Functional Location  
CCK-UT-COMM-TOWERS-MK0001 - Tower Tier 12 Comms ... >

Equipment  
Select >

Notification Long text  
Describe the malfunction :  
Can work be deferred : Yes / No (If No, click breakdown box)  
Asset isolation required : Yes / No  
Isolation requirements :  
Exact location :  
Crane required :  
Scaffolding required :  
Estimated job duration : Hours  
Labour type : e.g. 2 x fitters  
Materials required :  
Tooling required :  
Picture attached : Yes / No  
Other information : e.g. Other services

Add Work Order ☒

Breakdown ☐

Priority  
Urgent High Medium Low

Main Work Center  
CCKM - Communications >

Part Group  
Select >

Part

Change the flow Relabelled to Notification Description

Notification Long Text Template

Add Breakdown Work Order

Change Main Work Centre

# Notification List



sunwater



Search

2:49 PM Fri Oct 13

SAP Service and Asset Manager

Notifications (1540)

Filter

Valve

M1403 gate valve requires replacement  
400037557 - M1  
Jan 28, 2021

SA60004 leaking gland packing iso valve  
400058118 - M1  
Jul 6, 2022

Air valve on ssam(2 points GEF)  
400066046 - M1  
Jan 31, 2023

Air valve riser leaking  
400070184 - M1  
May 9, 2023

5248916|Replace Gate Valve IMC-MO-0016  
400025500 - M1  
No Due Date

5248917|Replace Gate Valve GVM-MO-0004  
400025501 - M1  
No Due Date

5248918|Replace Gate Valve FMC-MO-0002  
400025502 - M1  
No Due Date

Design/Manufacture/Install Temp Valve  
400037455 - M1  
Feb 13, 2021

Failed valve  
400051155 - M1  
Feb 19, 2022

Rising main scour valve  
400062743 - M1  
Nov 26, 2022

Cancel

Filter

Done

Sort By

Priority

Description

Due Date

Notification ID

Mobile Status

Received

Started

Completed

Priority

Emergency

Within 24 Hours

Break-in Work

Within 1 Week

Within 1 Month

Greater than 1 Mo...

Next Unplanned O...

Next Planned Out...

Standing Order

Within 12 Months

Within 36 Months

Created By

User Id

HLINOVSKYV

Creation Date

Reset All

Filter

Noti Created By

3:56 Thu, 26 Oct	53%
Notifications (120)	
TUL602 Daily Rail Inspection	High
1200254932 - M2	Received
11 Aug 2023	
TUL602 Daily Rail Inspection	High
1200254934 - M2	Received
11 Aug 2023	
TUL602 Daily Rail Inspection	High
1200254936 - M2	Received
11 Aug 2023	
TUL601 Daily Rail Inspection	High
1200254953 - M2	Received
11 Aug 2023	
1W Inspect TUL3 Ring Rail	High
1300488349 - M3	Received
16 Oct 2023	
1W Inspect TUL3 Ring Rail	High
1300495259 - M3	Received
23 Oct 2023	
1W Inspect TUL3 Ring Rail	High
1300502463 - M3	Received
30 Oct 2023	
1W CV903 GBox Oil check / Fill	High
1300605274 - M3	Received
18 Oct 2023	
1W CV903 GBox Oil check / Fill	High
1300612926 - M3	Received
25 Oct 2023	

# Notification Edit



sunwater

Fortescue™

3:01PM Fri Oct 13

< Notifications (1540) Notification 400058118

SA60004 leaking gland packing iso valve

Notification

Location ST AGNES DISTRIBUTION

Required Status Jun 29, 2022

Planner Group 340 - BLN

Reported By STUCHB

Malfunction

ST AGNES DISTRIBUTION

Use current Use map Remove

Damage Description (40 characters)

Refresh Part Groups

Part Group None

Part None

Damage Group None

Damage None

Attachment Description

Attachment Description

Attached Files (0)

Cancel Edit Notification Add Note Done

Note

Noti Long Text

3:48 Thu, 26 Oct 54%

< No X Edit Notification Apply

Notification Description

1W Inspect TUL3 Ring Rail

Functional Location

APT-IL-TRUL-TUL003-TP605 -ASBLY - Cell 1 Wagon Tippler...

Equipment

300014439 - Rollers Tippler Support A & B

Notes

Notification

Notification Long text

Note

Breakdown

Main Work Center

APMM - Anderson Point Mechanical

Part Group

Select

Part

Select

Damage Group

Select

Damage

Select

Damage Text

Damage Text

Notification Long Text

Notification Long Text

Relabelled to Damage Text

