Improving Safety and Audit Trails with Fortescue Vehicle Prestart

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Fortescue Vehicle Prestart

We are Fortescue

NOVEMBER 2022

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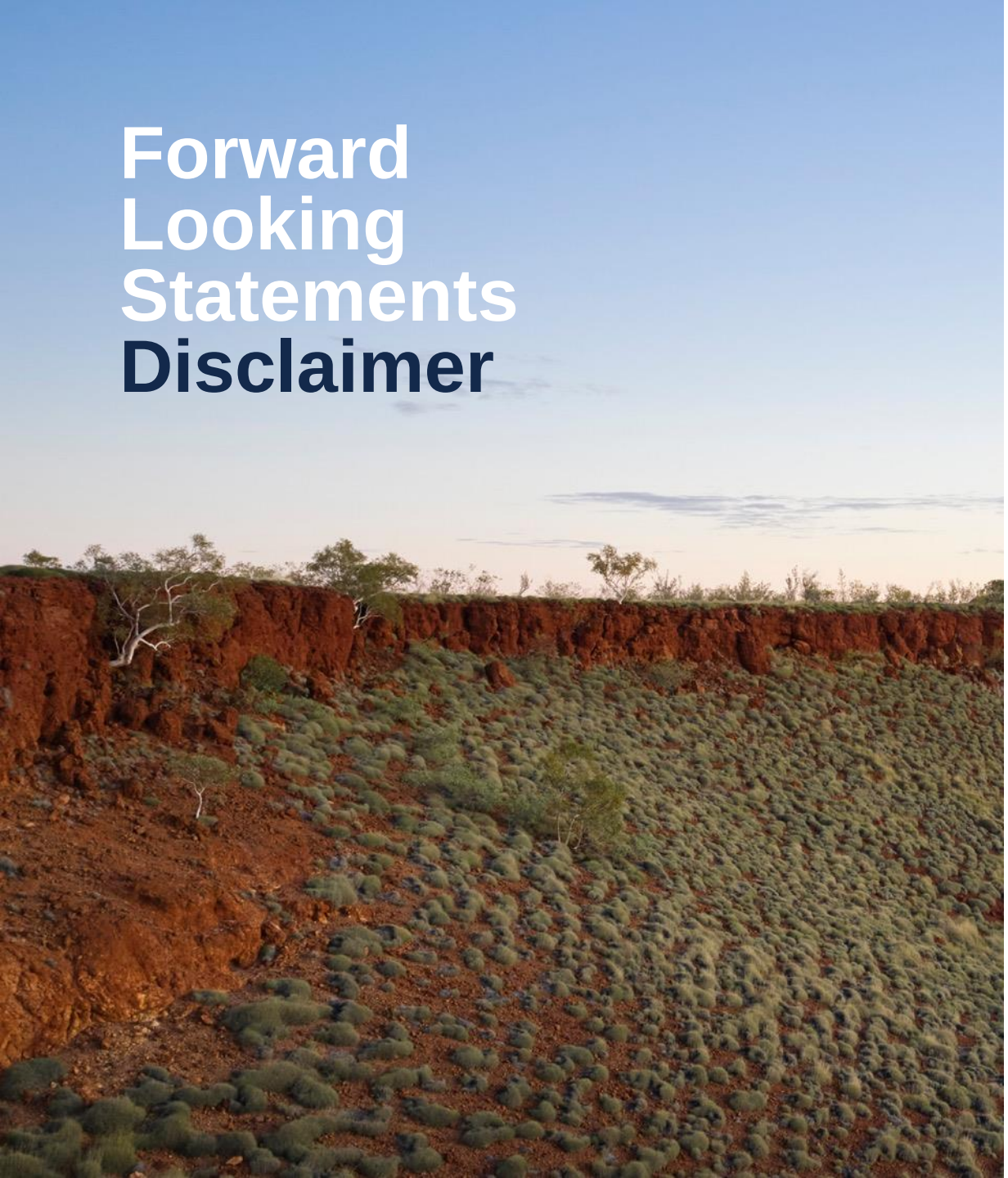

Forward Looking Statements Disclaimer

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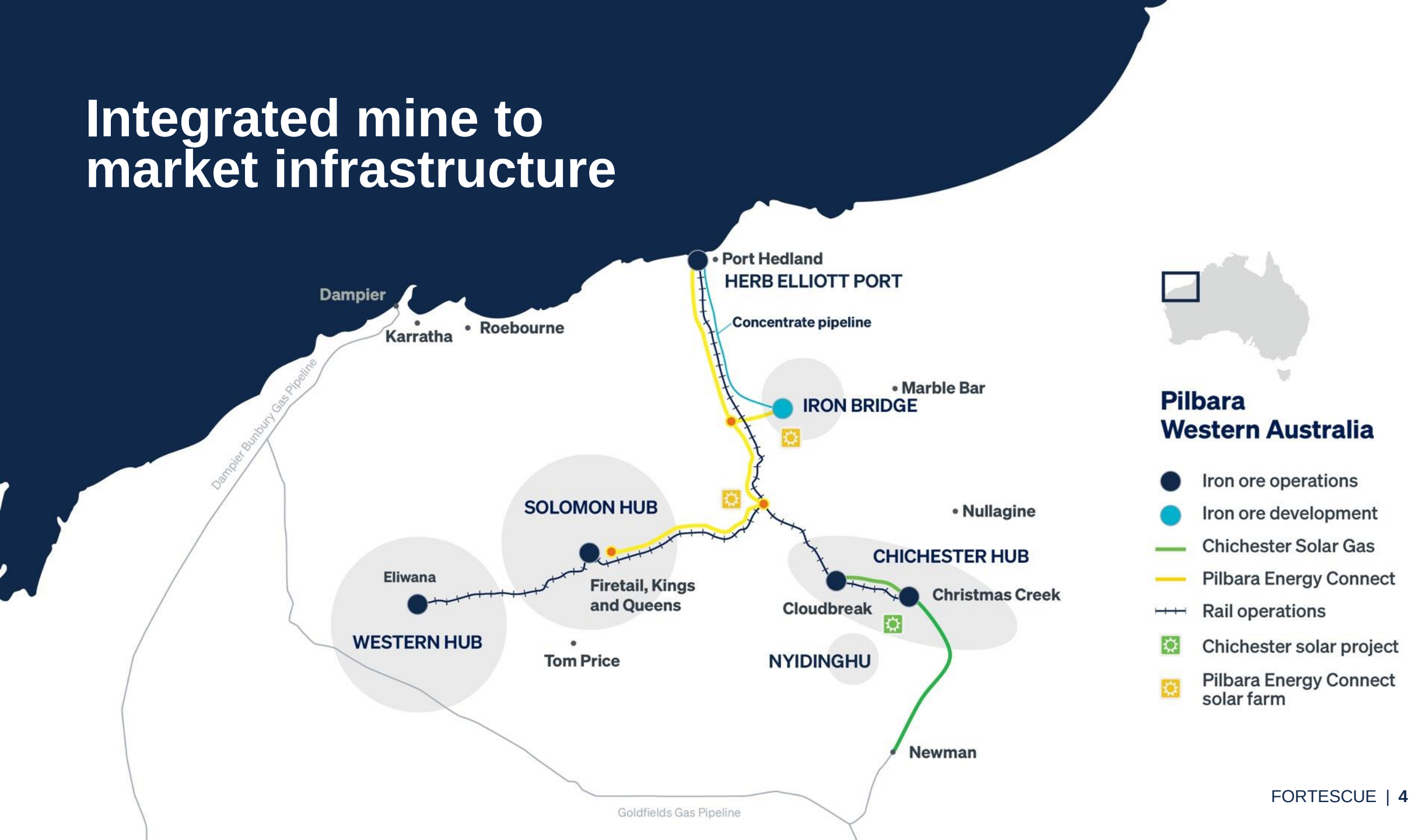
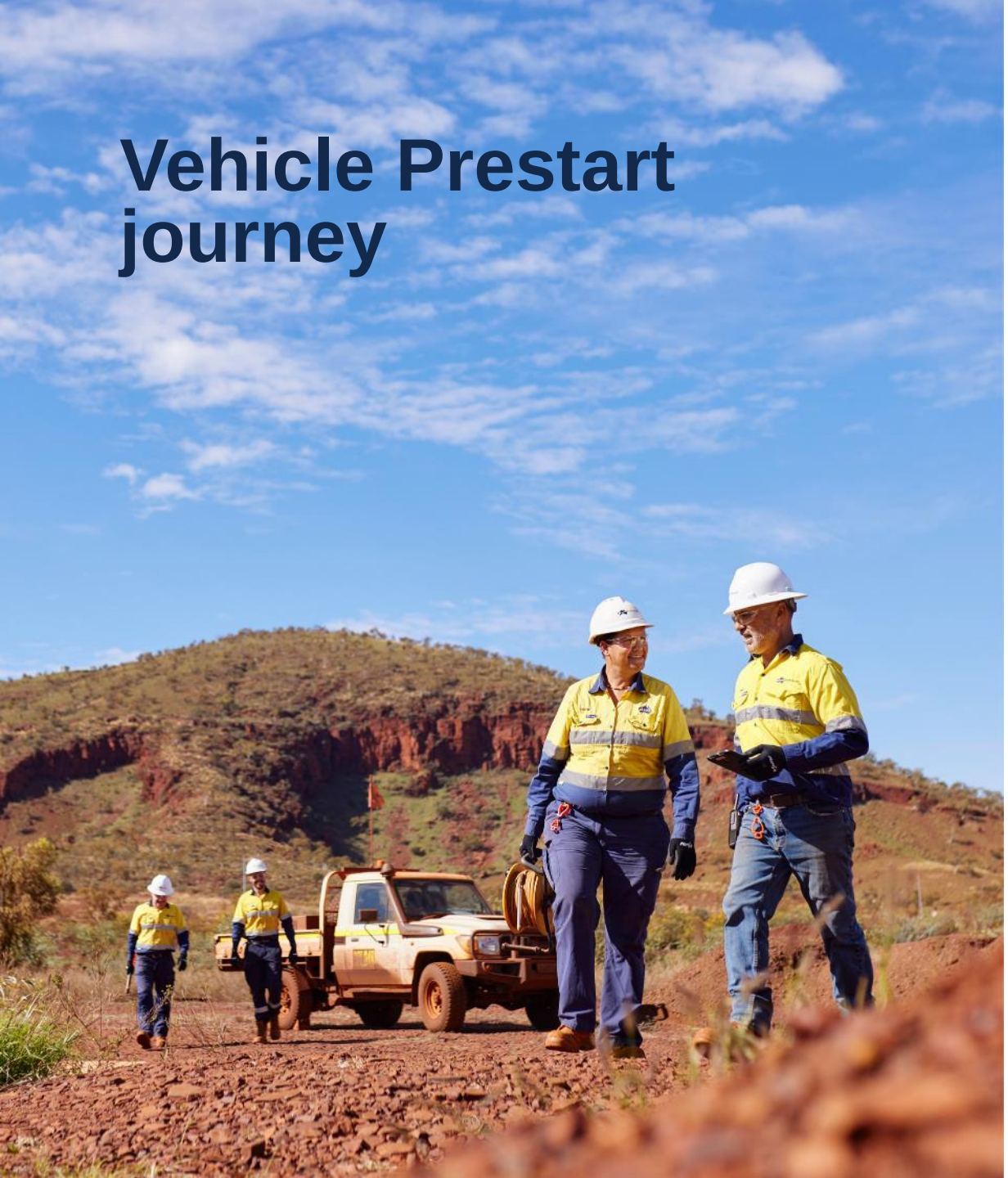
Integrated mine to market infrastructure



Vehicle Prestart journey



The business requirement

Understand the process

Design the application

Running in Fiori

Stakeholder

- Meetings
- Existing process
- Future process
- Start designing

Understand the process

Paper process

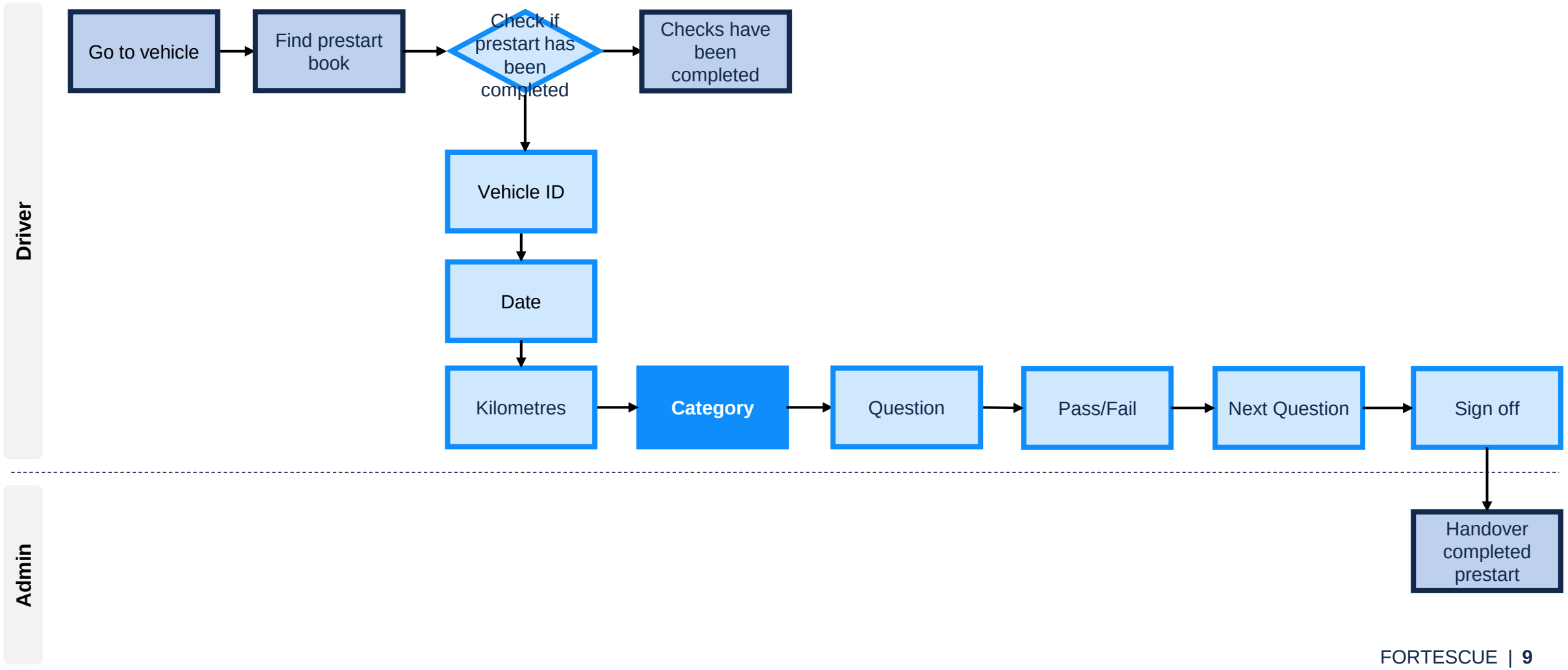
Fortescue
The New Force in Iron Ore

LIGHT VEHICLE PRE-START CHECKLIST

WEEK STARTING: 12/8/19		Saturday		Sunday		Monday		Tuesday		Wednesday		Thursday		Friday	
Category	Inspection item	Pass	Fail	Pass	Fail	Pass	Fail	Pass	Fail	Pass	Fail	Pass	Fail	Pass	Fail
Category A faults to be rectified before vehicle is operated. Supervisor to be notified immediately.															
A	Steering system operational									✓		✓			
A	Seatbelt operational & serviceable									✓		✓			
A	Service & park brake operational									✓		✓			
A	Two way radio operational									✓		✓			
A	Lights (headlights, taillights, indicators) operational									✓		✓			
A	Tyre condition & spare									✓		✓			
Category B faults to be rectified before vehicle is operated unless approved by supervisor to operate.															
B	Air conditioning operational									✓		✓			
B	Reverse beeper & horn operational									✓		✓			
B	Flag serviceable									✓		✓			
B	Windscreen condition, any cracks									✓		✓			
B	Wipers/washers operational									✓		✓			
B	Wheel nuts/studs/wheel nut indicators in place									✓		✓			
Category C faults vehicle may be operated. Corrective action required. Report to supervisor to operate.															
C	Fuel, oil & coolant levels									✓		✓			
C	Gauges									✓		✓			
C	Doors & mirrors functional									✓		✓			
C	Cab clean									✓		✓			
C	Beacon operational									✓		✓			
Employee conducting pre-start initials										JK		JK			

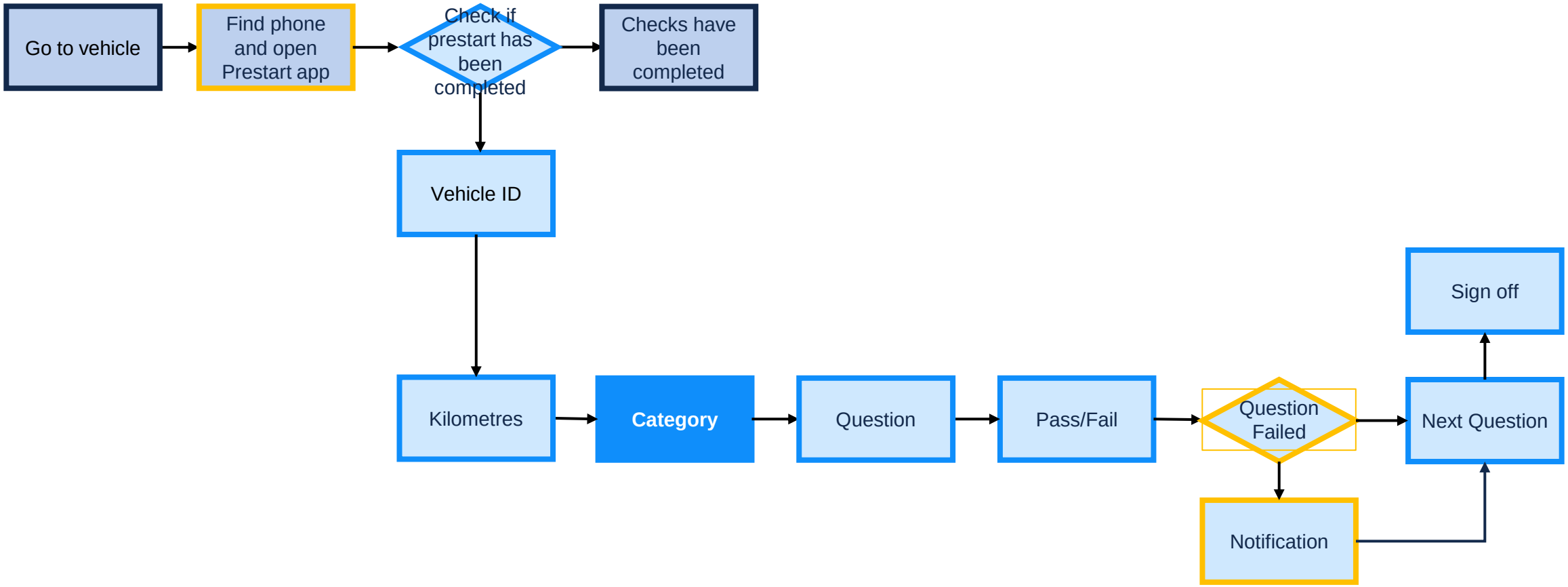
Unit No. PH0660 Start of Week km's 3380 End of Week km's 3458

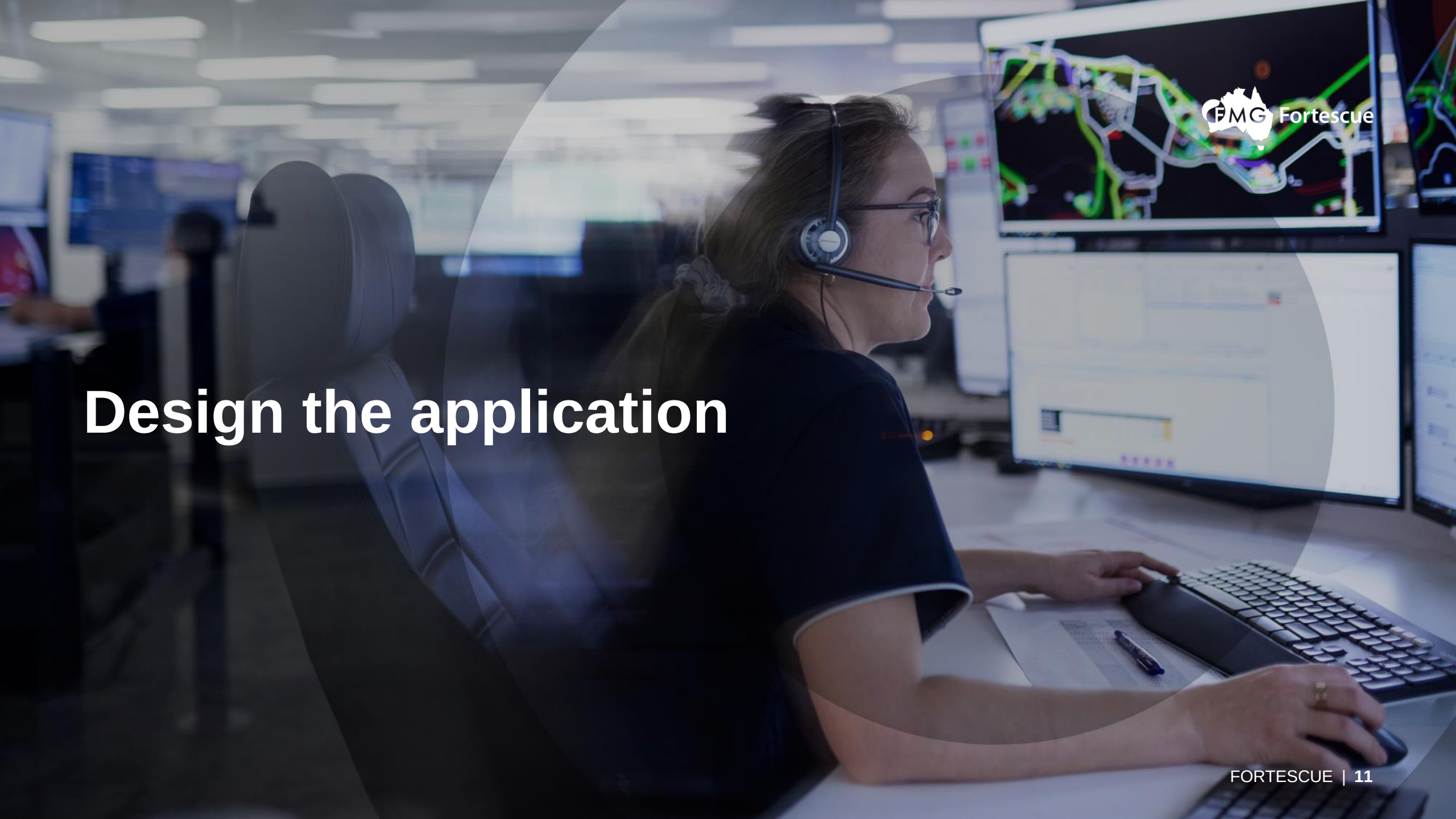
Document the Existing Process



Document the Future Process

Driver



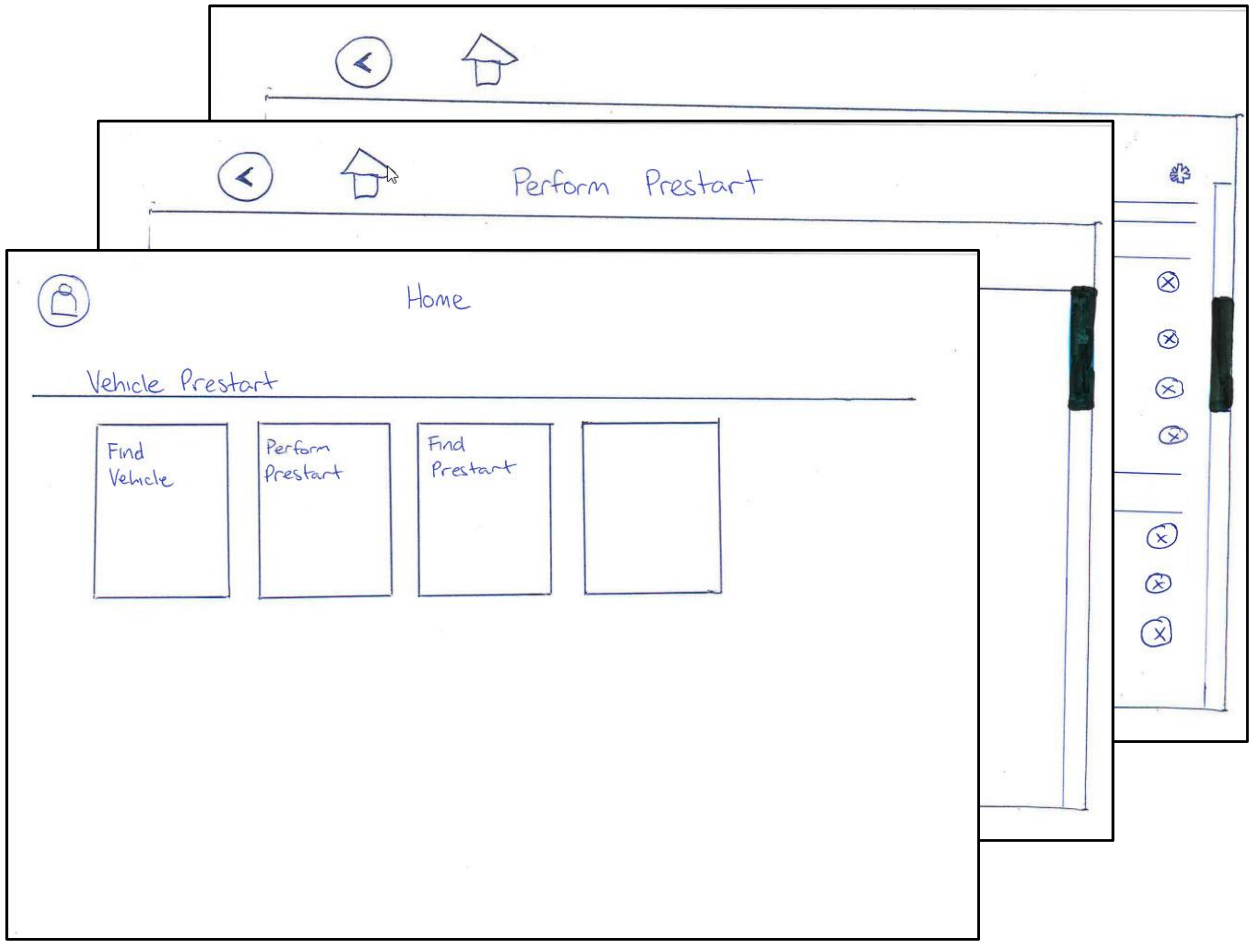


Design the application

What is build.me?

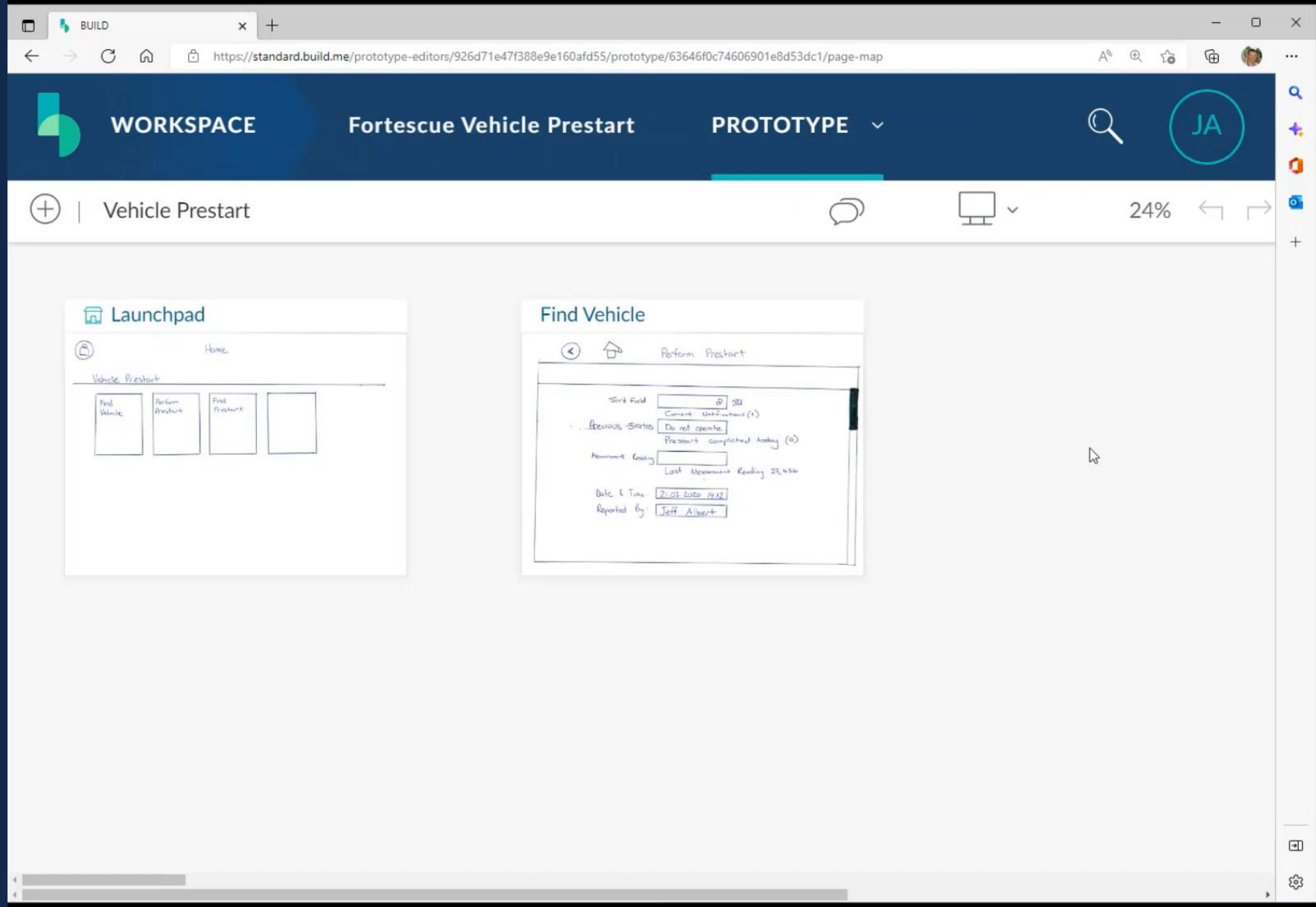
- Prototyping apps
- Elements
- Data from excel
- Paper, draw and scan
- Link pages
- Test

Design Thinking



- A4 paper
- Draw template and photocopy
- Look at other Fiori Apps
- Start drawing
- Scan

Build.me

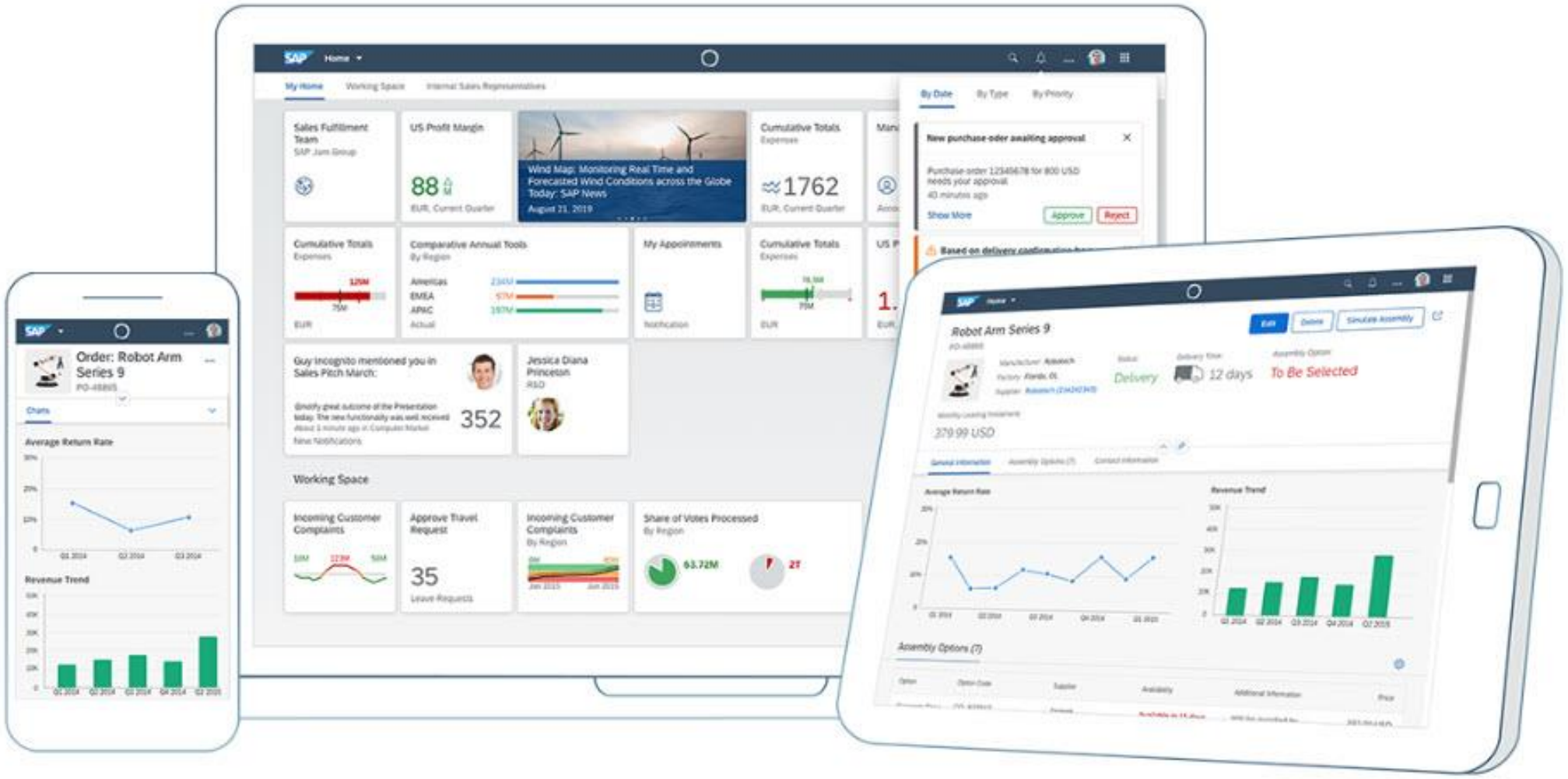

BUILD
https://standard.build.me/prototype-editors/926d71e47f388e9e160afd55/prototype/63646f0c74606901e8d53dc1/page-map
WORKSPACE
Fortescue Vehicle Prestart
PROTOTYPE
JA
Vehicle Prestart
24%
Launchpad
Home
Vehicle Prestart
Find Vehicle
Perform Prestart
Do not operate
Jeff Albert

Behind the scenes

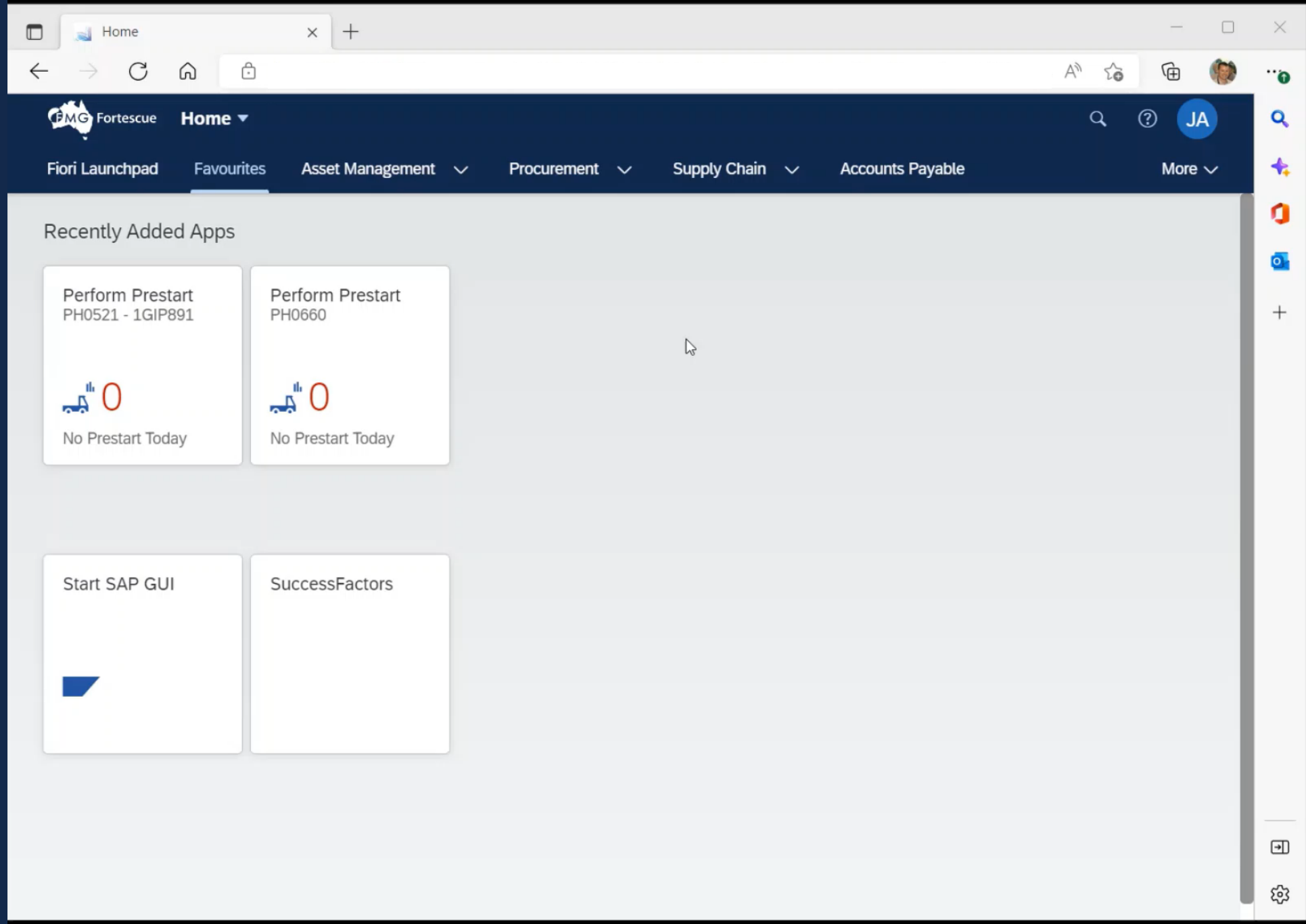
- Feedback from stakeholders
- Scope the finer details
- Move nice to have’s, to the next phase
- Development begins
- User Acceptance Testing
- Quick Reference Guide

Running in Fiori

SAP Fiori


Order: Robot Arm Series 9
Average Return Rate
Revenue Trend
Sales Fulfillment Team
US Profit Margin
88
Wind Map: Monitoring Real Time and Forecasted Wind Conditions across the Globe Today: SAP News
Cumulative Totals
1762
Comparative Annual Totals
My Appointments
Guy Incognito mentioned you in Sales Pitch March:
352
Jessica Diana Princeton
Working Space
Incoming Customer Complaints
Approve Travel Request
35
Share of Votes Processed
63.72M
New purchase order awaiting approval
Show More
Approve
Reject
Robot Arm Series 9
Delivery
12 days
To Be Selected
279.99 USD
Assembly Options (7)

Fortescue Vehicle Prestart



Take aways

- Stakeholders are number one, ask them questions
- Understand the existing process and think outside the box for future processes
- Use build.me to speed up development time
- Break your project into phases

References

- Build beautiful apps | BUILD.me

  https://www.build.me
- Design Your First App with Build* | openSAP

  https://open.sap.com/courses/build1
- SAP Fiori Overview: Design, Develop and Deploy | openSAP

  https://open.sap.com/courses/fiori3

Questions

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