



REACT PANEL

MINEOPERA OP PRO 3.0



REACT PANEL

AT A GLANCE





REACT PANEL

AGENDA

- LOGIN
- PRESTART
- ENGINE HOURS
- INFORMATION BAR



REACT PANEL

AGENDA (CONT)

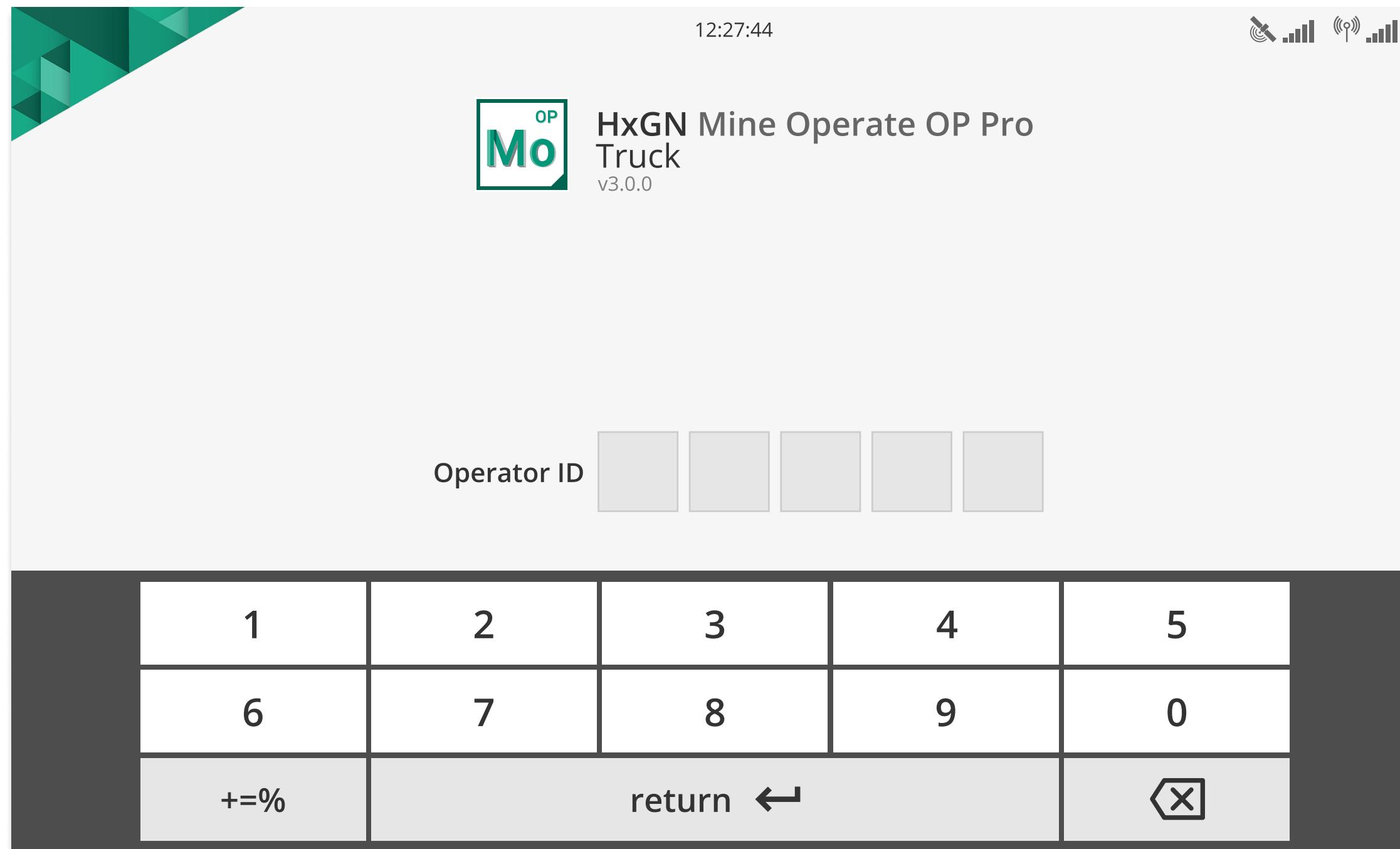
■	COMMUNICATIONS
■	MAP
■	DOCK
■	MAIN MENU



REACT PANEL

AGENDA (CONT)

- EQUIPMENT STATUS
- PREFERENCES
- KPI & KPI CONFIGURATIONS
- LOGOUT & RESTART



LOGIN



12:27:44

PRE START - DT212
30% done (9 of 30)

Welcome
Murphy, Benjamin

Seat Belt	✓	✗	
Rubber Door Seals	💬	✓	✗
Emergency Brake		✓	✗
Park Brake		✓	✗
Fire Supression		✓	✗
Horn		✓	✗
Reverse Horn		✓	✗

CANCEL

NEXT

PRESTART

OVERVIEW



PRESTART

SETUP

- ENUM SYMBOLS MUST BE ENTERED TO DISPLAY
- USE PHRASES TO TRANSLATE SYMBOL NAMES IF NEEDED
- ADDED THROUGH PRESTART CHECKS AS BEFORE



APPLICATION	MODULE	ATTRIBUTE	VALUE
JSPanel	init	prestart	equipment_type
JSPanel	jspanel	force_prestart_comment_items	<list-prestart-symbols>
JSPanel	jspanel	mandatory_down_reason	<reason-code>

PRESTART

CONFIGURATION



12:27:44

PRE START - DT212
30% done (9 of 30)

Welcome
Murphy, Benjamin

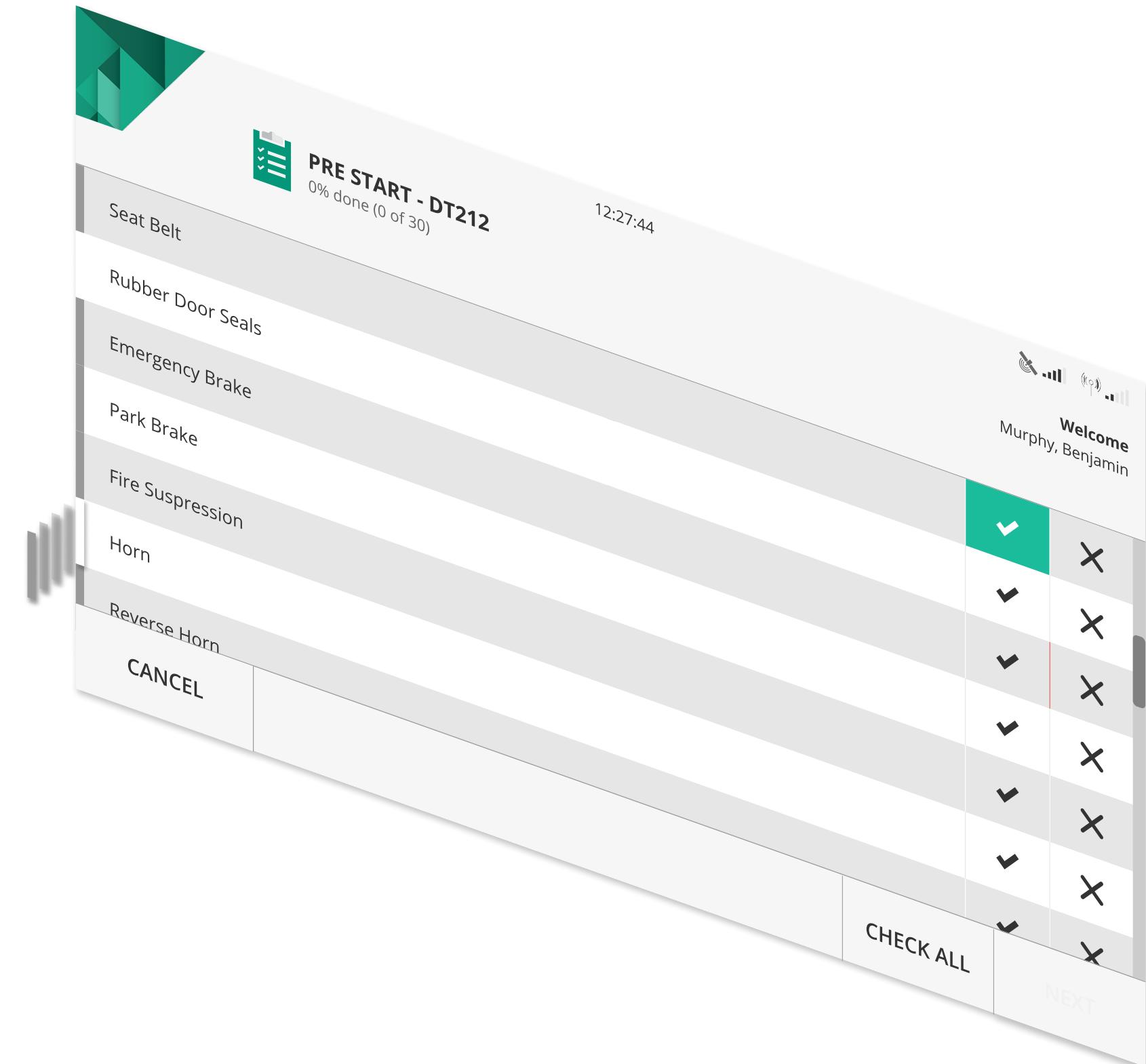
Seat Belt	✓	✗	
Rubber Door Seals	💬	✓	✗
Emergency Brake		✓	✗
Park Brake		✓	✗
Fire Supression		✓	✗
Horn		✓	✗
Reverse Horn		✓	✗

CANCEL

NEXT

PRESTART

PERCENTAGE
COMPLETE



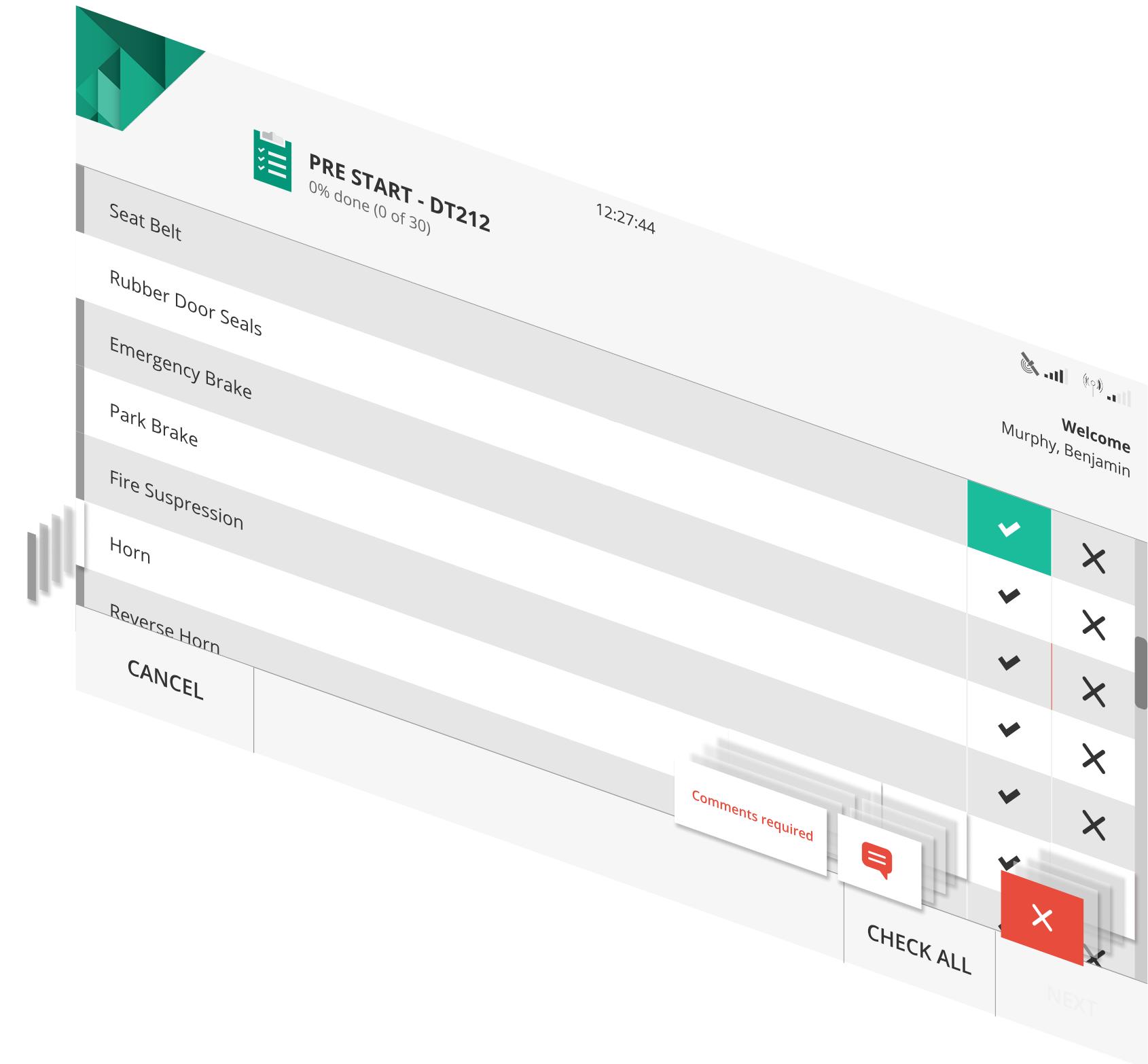
PRESTART

MANDATORY ITEMS



PRESTART

COMMENTS ARE
AVAILABLE FOR FAILED
ITEMS



PRESTART

MANDATORY
COMMENTS



12:27:44

Describe the issues identified with the **Horn**

PRE START - DT212
30% done (9 of 30)

Not working as expected |

Behaving weirdly	Not working as expected		
Requires maintenance	Damaged		
#+=	Minor damaged	Unable to check	<input type="button" value="X"/>
ABC		space	return ↲
CANCEL	SAVE		

PRESTART

CANNED COMMENTS



PRESTART

APPLICATION	MODULE	ATTRIBUTE	VALUE
JSPanel	jspanel	prestart_canned_comments	<row-1-item-1;row-1item-2 row-2 ...>

CANNED COMMENTS
CONFIGURATION



12:27:44

Welcome
Murphy, Benjamin

ENGINE HOURS - DT212
Previous read: 487

Current Hours Read

BACK | **FINISH**

A mobile application interface for tracking engine hours. It displays the current time (12:27:44), signal strength, and a welcome message for user Murphy, Benjamin. The main title is "ENGINE HOURS - DT212" with a previous read value of 487. Below the title is a field labeled "Current Hours Read" with a placeholder box. At the bottom are "BACK" and "FINISH" buttons.

ENGINE HOURS



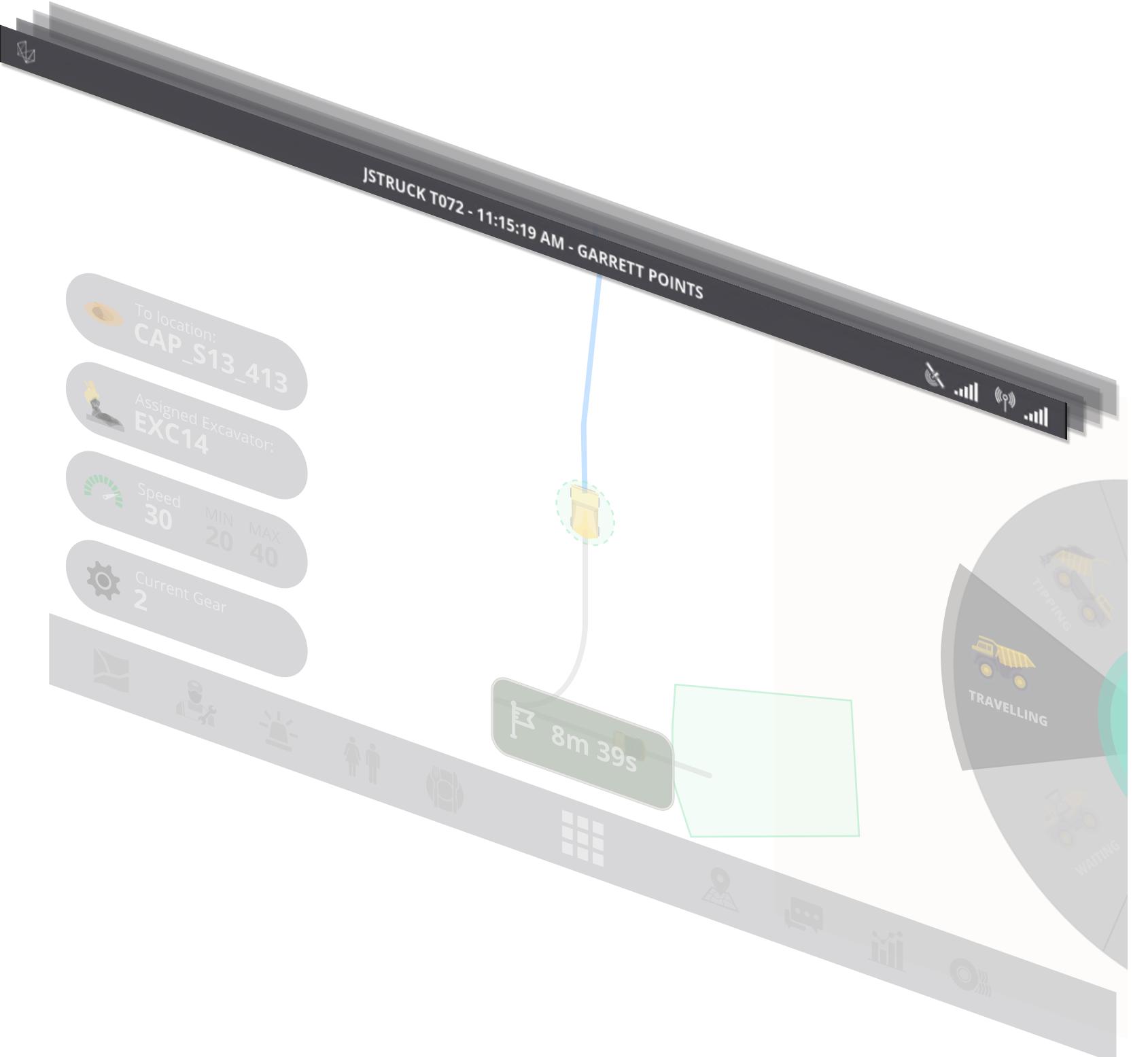
ENGINE HOURS

- READS HOURS FROM INTERFACE IF AVAILABLE
- MANUAL ENTRY IS AVAILABLE

FUNCTIONALITY



TOP BAR





- SHOWS EQUIPMENT
- SHOWS TIME
- SHOWS OPERATOR
- SHOWS SATELLITE AND WIFI SIGNAL

TOP BAR

ITEMS



COMMS

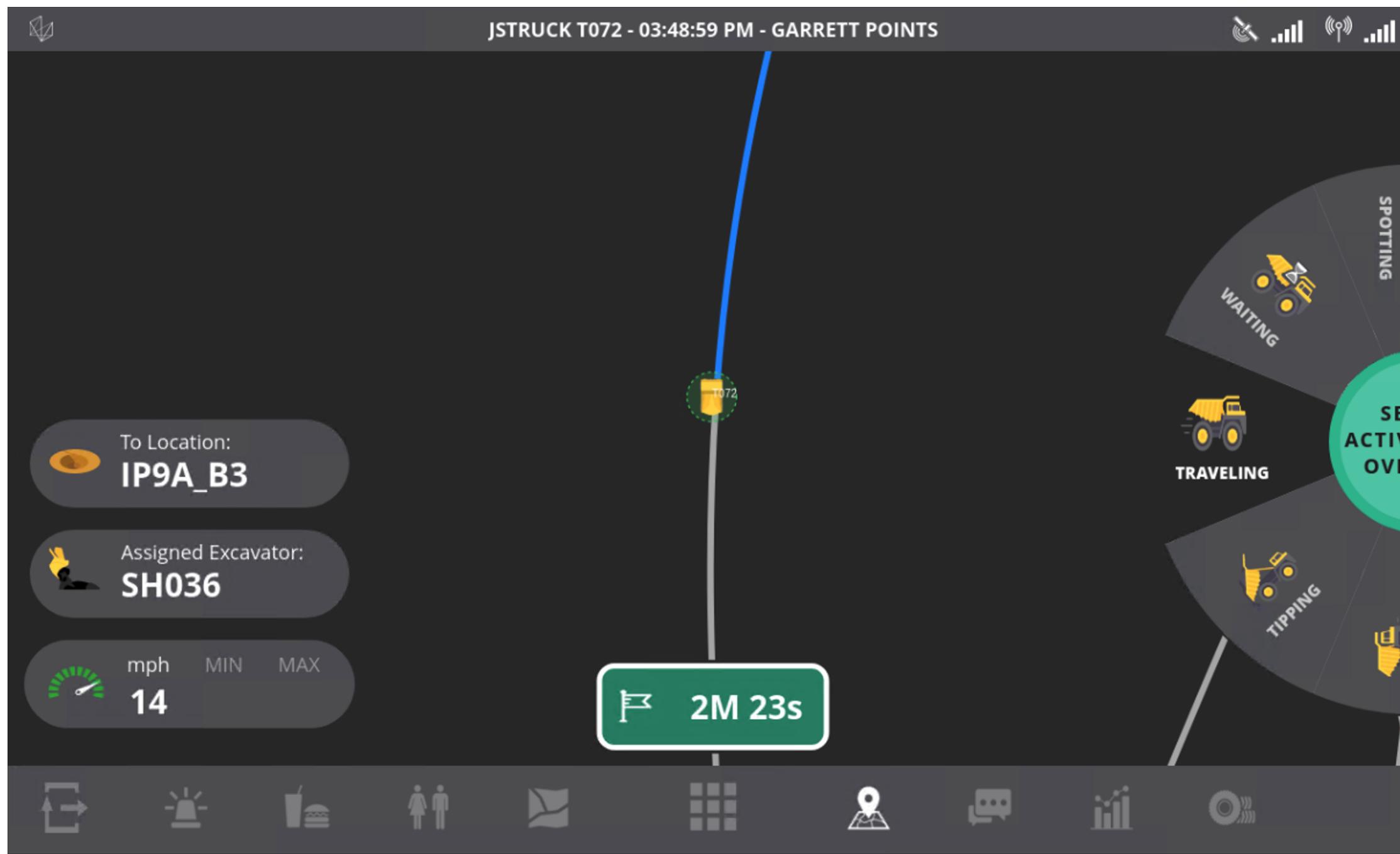




COMMS

- DOESN'T SHOW CONSTELLATION BREAKDOWN

EXCLUSIONS



MAP

OVERVIEW



- ACTIVITY WHEEL
- INFORMATION WIDGETS
- ETA AND TURN BY TURN NAVIGATION
- SHOVEL GRADE AND MATERIAL SELECTION

MAP

ITEMS



MAP

ACTIVITY WHEEL



MAP



ACTIVITY WHEEL (NON PRODUCTION)



MAP

INFORMATION WIDGETS



MAP

- DIFFERENT WIDGETS SHOW FOR EACH ACTIVITY
- GEAR INFORMATION WIDGET SHOWS IF SENSOR PRESENT

INFORMATION
WIDGETS FUNCTION



To location: CAP_S13_413	LOCATION
Assigned Excavator: EXC14	ASSIGNED EXCAVATOR
Speed 30 MIN 20 MAX 40	SPEEDOMETER
Current Gear 2	CURRENT GEAR (IF SENSOR PRESENT)

MAP

TRAVELING WIDGETS



MAP

LOADING WIDGETS



Tonnage (79%):
190/240

TONNAGE



Loading for:
3:17s

LOADING FOR



 Material Coal	MATERIAL
 Destination: WWD_HG_01	DESTINATION
 Speed 30 MIN 20 MAX 40	SPEEDOMETER
 Current Gear 2	CURRENT GEAR (IF SENSOR PRESENT)

MAP

HAULING WIDGETS



MAP

QUEUEING WIDGETS



Destination:
WWD_HG_01

DESTINATION



Queueing for:
6:17s

QUEUEING FOR



MAP



Backing for:
1:17s

BACKING FOR

BACKING WIDGETS



MAP



TRAY STATUS

TIPPING WIDGETS



 N  E	COMPASS
 Material Ore	MATERIAL
 Tonnage (79%): 190/240	TONNAGE
 Loading: DT202 / 3:19s	LOADING FOR
 Next Truck / ETA: DT004 / 2:25s	NEXT TRUCK / ETA

MAP

LOADING WIDGETS
(SHOVEL)



 N E	COMPASS
 Material Ore	MATERIAL
 Waiting for 2:25s	WAITING FOR
 Next Truck / ETA: DT004 / 2:25s	NEXT TRUCK / ETA

MAP

WAITING WIDGETS
(SHOVEL)



To location:
CAP_S13_413

Speed
30 MIN **20** MAX **40**

Current Gear
2

LOCATION

SPEEDOMETER

CURRENT GEAR (IF SENSOR PRESENT)

MAP

MOVING EMPTY
WIDGETS



MAP

NONE

EMPTY WIDGETS



 Material Coal	MATERIAL
 Destination: WWD_HG_01	DESTINATION
 Speed 30 MIN 20 MAX 40	SPEEDOMETER
 Current Gear 2	CURRENT GEAR (IF SENSOR PRESENT)

MAP

MOVING LOADED
WIDGETS



MAP



Material
Coal

MATERIAL

LOADED WIDGETS



MAP

TBD

GRADE NAME

TBD

TONNAGE

UPCOMING WIDGETS



MAP

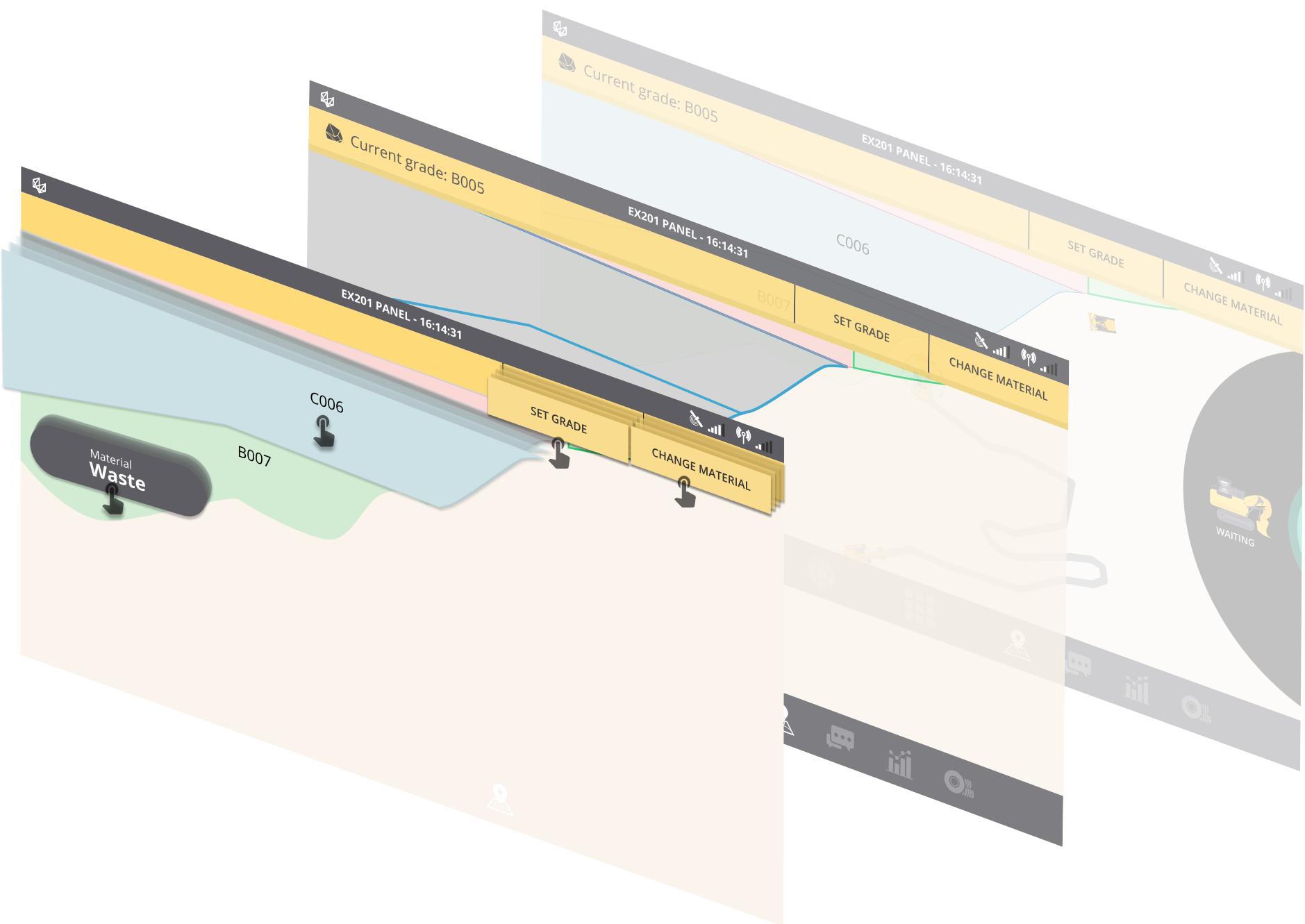
	ETA
	TURN BY TURN

ETA AND TURN BY
TURN NAVIGATION



MAP

SHOVEL GRADE AND
MATERIAL SELECTION





- WHEN IN PRODUCTION CURRENT GRADE DISPLAYS
- SET GRADE BUTTON ALLOWS USER TO SELECT GRADE FROM CANVAS
- PRESS AND HOLD ON GRADE FOR 3 SECONDS TO SELECT
- CYCLE THROUGH MATERIALS BY CLICKING ON SET MATERIAL

MAP

SHOVEL GRADE AND
MATERIAL SELECTION
FUNCTIONALITY



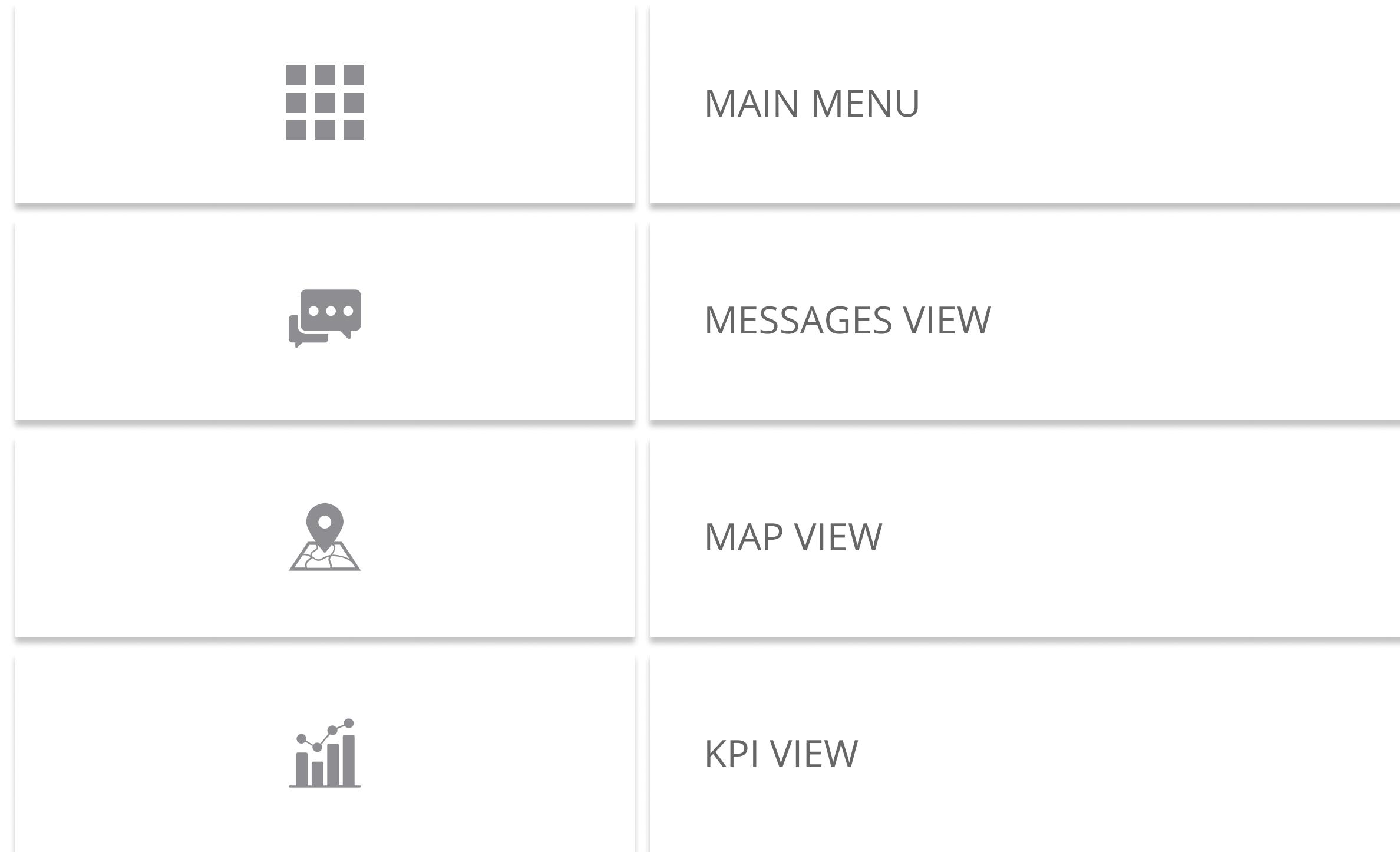
DOCK



DOCK

OVERVIEW

- SHOWS APPLICATION SHORT CUTS
- CONFIGURABLE THROUGH OFFICE AND ONBOARD
- ONBOARD CHANGES ONLY AVAILABLE PER SESSION



DOCK

ITEMS



TIRE VIEW



MESSAGES VIEW



CONFIGURABLE BREAK SHORTCUT



CONFIGURABLE BATHROOM BREAK
SHORTCUT

DOCK

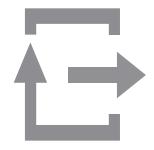
ITEMS



EMERGENCY SHORTCUT



MAINTENANCE VIEW



LOGOUT SHORTCUT

DOCK

ITEMS



DOCK

OFFICE
CONFIGURATION

APPLICATION	COMPONENT	PROPERTY	VALUE
JSPanel	jspanel	dock_items	ORDER LIST 8 ITEMS



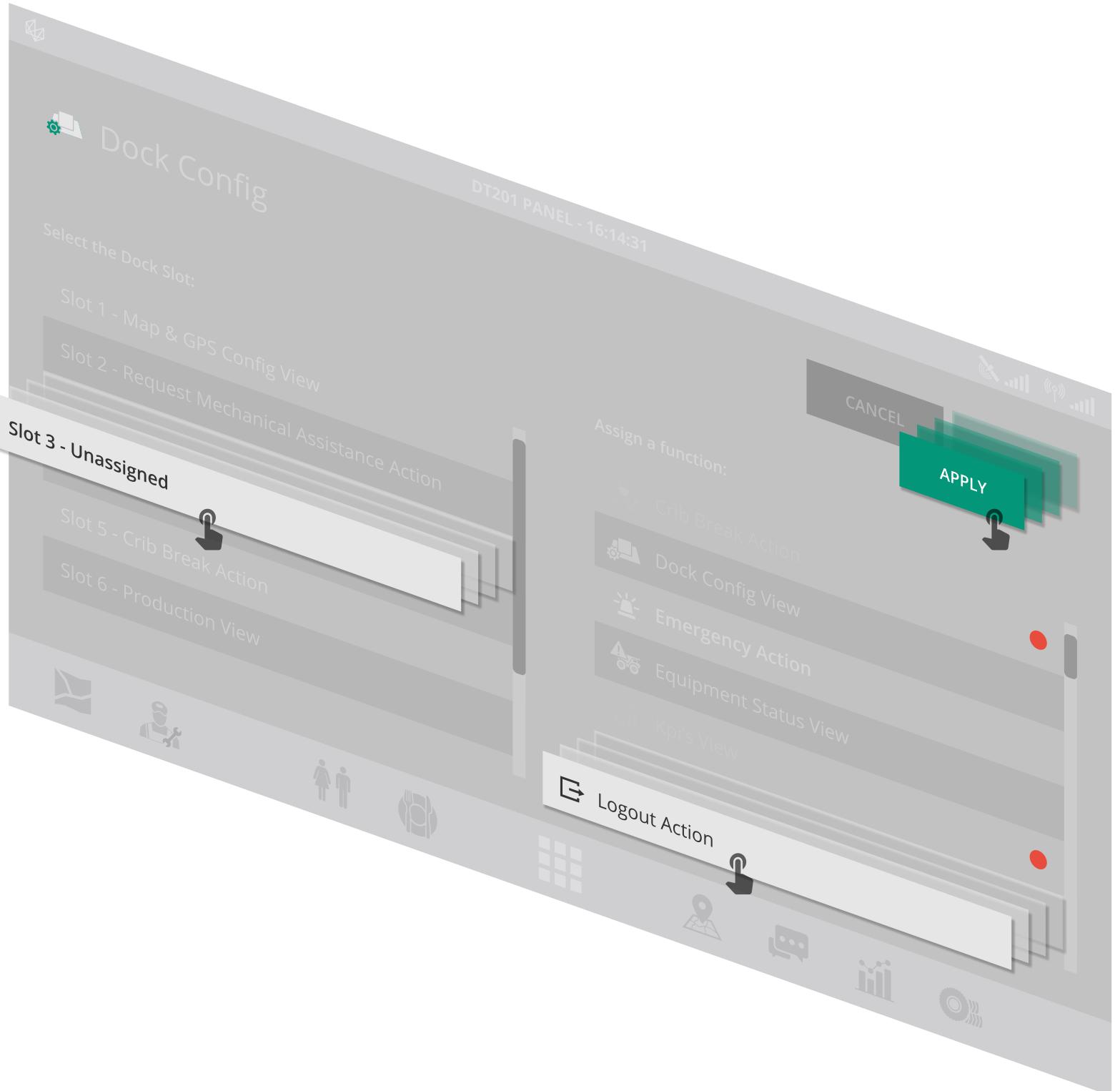
DOCK

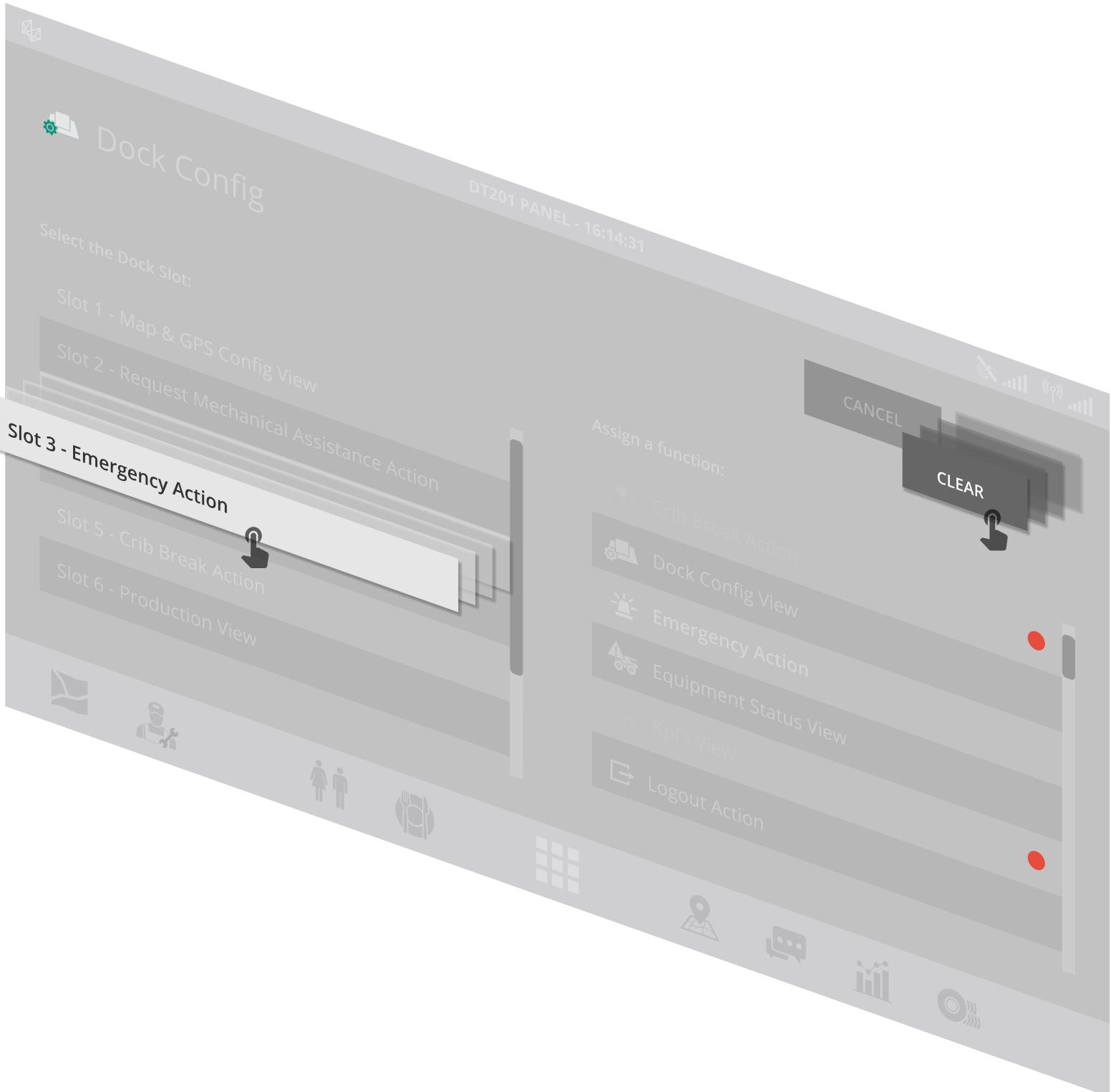
ONBOARD CONFIGURATION



DOCK

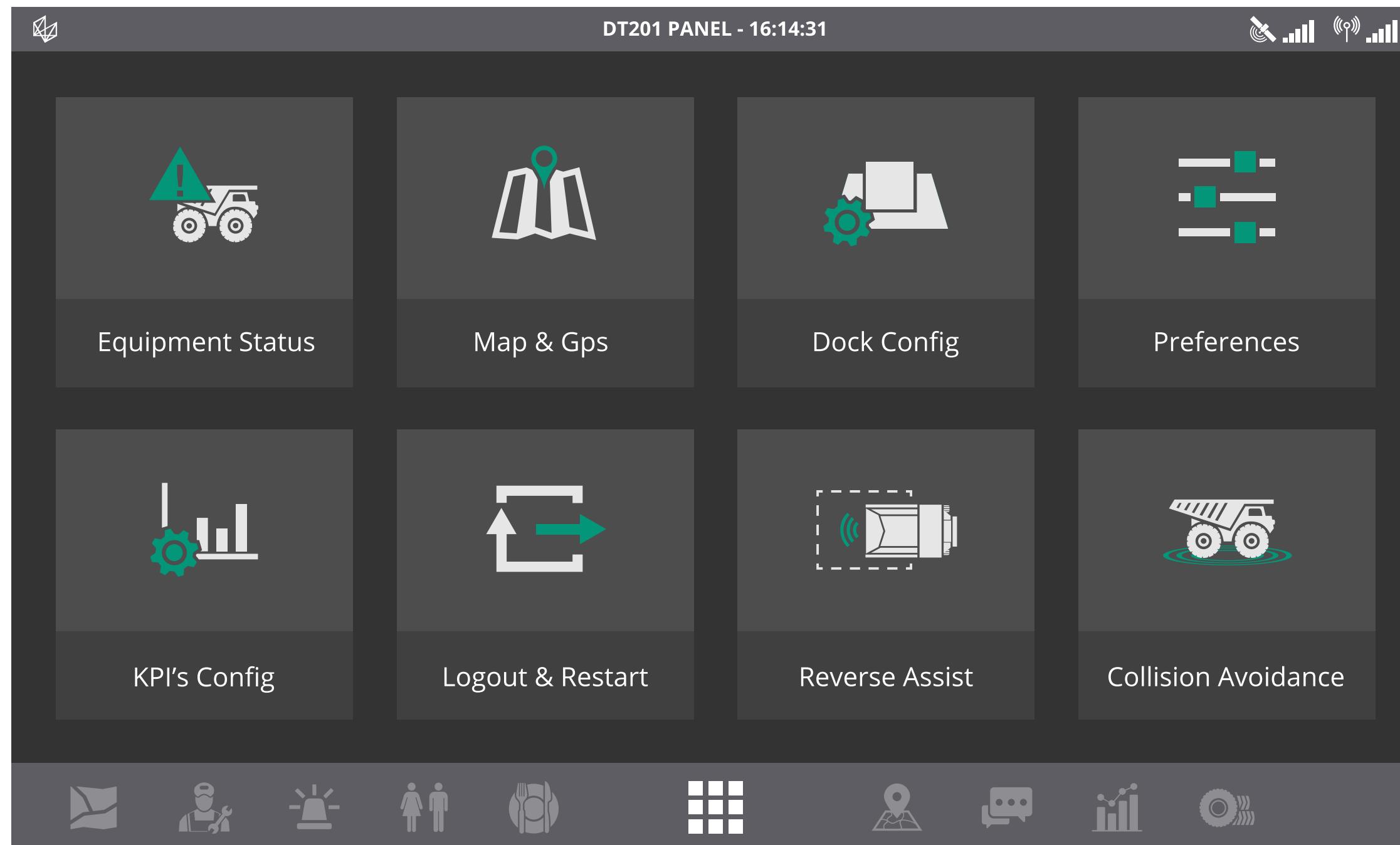
ONBOARD ASSIGNING





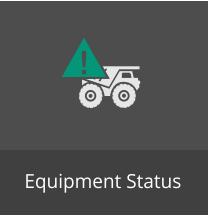
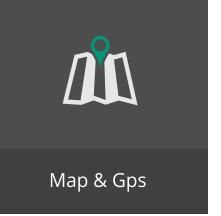
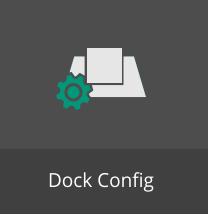
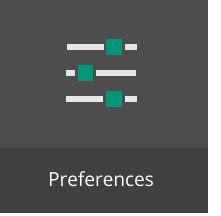
DOCK

ONBOARD
UNASSIGNING



MAIN MENU



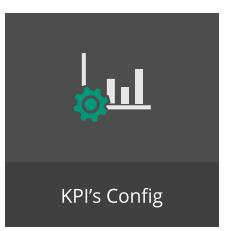
 Equipment Status	EQUIPMENT STATUS VIEW
 Map & Gps	MAP & GPS VIEW
 Dock Config	DOCK CONFIG VIEW
 Preferences	PREFERENCES VIEW

MAIN MENU

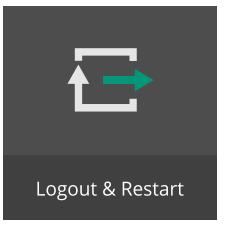
ITEMS



MAIN MENU



KPI CONFIG VIEW



LOGOUT & RESTART BUTTON

ITEMS (CONT)



The image shows a screenshot of a mining equipment control interface. At the top, there is a main menu bar with several icons and labels: Equipment Status, Map & Gps, Dock Config, Preferences, Logout & Restart, Reverse Assist, and Collision Avoidance. Below this, there is a sub-menu for 'Equipment Status' with the following options: Ready (green), Delay (orange), Standby (blue), and Down (red). A legend indicates that green represents 'Ready', orange represents 'Delay', blue represents 'Standby', and red represents 'Down'. The sub-menu also includes fields for 'Select the Reason (10)' and buttons for 'CANCEL' and 'APPLY'. The background of the interface features a dark theme with various icons and status indicators.

MAIN MENU

EQUIPMENT STATUS



MAIN MENU

MAP & GPS LAYER





MAIN MENU

PREFERENCES





MAIN MENU

KPI CONFIG



MAIN MENU

LOGOUT & RESTART