



EXPANDOWORKS BROCHURE

RFID Asset & Linen Tracking

Real-time control for tagged assets, linen, returnables, trolleys, kits, and operational stock across stores, technicians, wards, laundry, and dispatch.

EXPANDOWORKS

Engineering-led RFID visibility systems

Loss prevention

Audit trail

Reader health

Illustrative RFID operations dashboards

ExpandoWorks-ready workflow patterns

Active exceptions
Movement alerts requiring action

Assets in stores
Tagged stock currently recorded in stores

Readers Online
All four field readers reporting

READS LAST HOUR
Accepted reads in the last hour

LIVE TIMELINE
Live movement timeline LAST 25 READS

- 09:33:35 EXIT ATTEMPT **SUSPECTED THEFT** R1
Reader 1 Main Gate saw asset E2E-613615. MAIN GATE
- 09:22:55 EXIT ATTEMPT **SUSPECTED THEFT** R1
Reader 1 Main Gate saw asset E280117000002088D4F3A11. MAIN GATE
- 09:21:46 EXIT ATTEMPT **SUSPECTED THEFT** R1
Reader 1 Main Gate saw asset E280117000002088D4F3A11. MAIN GATE

EXCEPTIONS
Active exceptions Open only All exceptions

Search by asset, EPC, or exception type

Playwright readiness asset 613615
SUSPECTED THEFT PRIORITY

ASSET	EXCEPTION	READER	WINDOW	ACTION
Playwright readiness asset 613615	SUSPECTED THEFT	Reader 1 Main Gate	UPR10:33:35	CLEAR

Use technician release before 'R1' or 'R2', exit release before 'R1', and use 'R2' to record items in stores.

TECH RELEASED: 11 | EXIT RELEASED: 1 | HELD IN STORES: 2

ALL | CLEARED | HOLD | INVESTIGATE | SERVICE

Search asset, SKU, EPC, or current zone

Playwright readiness asset 674672 updated successfully

Playwright readiness asset 674672 **FLAG 2** **TECH RELEASE** **CLEARED** **EXPECTED-TECHNICIAN AREA** **CURRENT-STORES**

SKU: 674672
E2E-474672

Book To Stores | Release To Tech | Release To Exit | FLAG 0 | FLAG 1 | FLAG 2 | FLAG 3

Demo Jacket **FLAG 1** **HOLD** **EXPECTED-STORES** **CURRENT-MAIN GATE**

SKU: 100
E280117000002088D4F3A11

Loss alerts

Reader health

Audit trail

Best-fit environments

Hospitals

Laundry operations

Field service

Tool control

Dispatch hubs

Returnables

Locate what matters

Know where tagged items are across stores, exits, technician benches, wards, and laundry loops.

Control movement

Release workflows validate exits, handovers, and returns before stock disappears into manual gaps.

Respond faster

Alert queues highlight theft risk, unauthorized movement, delayed returns, and missed process steps.

Scale with confidence

Deploy fixed readers, mobile capture, dashboards, and integrations under one engineering partner.

What ExpandoWorks can deliver

ExpandoWorks can design, deploy, and support RFID visibility systems that combine fixed readers, handheld capture, edge filtering, cloud dashboards, and rule-based exception handling. The same architecture can be tuned for high-value asset control or linen issue and return workflows.

Hardware architecture

Fixed readers, handhelds, tag strategy, power, network, and placement design.

Workflow rules

Release logic, duplicate filtering, alert windows, and zone-specific movement handling.

Operator dashboard

Live stock, exceptions, reader health, and actionable controls for operations teams.

Deployment support

Provisioning, rollout planning, testing, and practical support from Johannesburg.

RFID asset tracking

- Tools, laptops, test instruments, field kits, routers, cages, and returnables.
- Track movement between stores, dispatch, workshops, technicians, and remote sites.
- Reduce shrinkage and prove chain of custody with release-based controls.

RFID linen tracking

- Ward packs, theatre linen, uniforms, trolleys, bulk cages, and customer allocations.
- Track issue, collection, laundry turnaround, return, and redistribution flows.
- Flag shortages, delayed returns, misroutes, and uneven stock levels early.

Illustrative operator view

Actionable release and exception workflow

The screenshot displays a user interface for managing RFID assets. At the top, there is a search bar labeled "Search asset, SKU, EPC, or current zone". Below it, a green notification bar states "Playwright readiness asset 674672 updated successfully." The main content area features two asset cards. The first card is for "Playwright readiness asset 674672", which has a "FLAG 2" indicator, a "TECH RELEASE" status, and is "CLEARED". It is "EXPECTED: TECHNICIAN AREA" and "CURRENT: STORES". Below this card are three primary action buttons: "Book To Stores" (dark blue), "Release To Tech" (green), and "Release To Exit" (orange). To the right of these buttons are five flag selection buttons: "FLAG 0", "FLAG 1", "FLAG 2" (which is currently selected), and "FLAG 3". The second card is for "Demo Jacket" with a "FLAG 1" indicator, a "HOLD" status, and is "EXPECTED: STORES" and "CURRENT: MAIN GATE". Similar action and flag buttons are visible at the bottom of this card.

From scan to action

The platform converts every RFID read into a validated movement event. Duplicate reads are filtered, zones are resolved automatically, and operators only see the exceptions and actions that matter.

How the ExpandoWorks RFID workflow operates

Fixed readers, controlled movements, live exceptions, and actionable dashboards



Asset control

- Tools, field kits, laptops, devices
- Store, technician, site, dispatch, return
- Release workflows before exit or handover

Linen visibility

- Ward packs, uniforms, theatre linen, trolleys
- Laundry issue / receive / reissue checkpoints
- Shortage, loss, and turnaround reporting

Operator outcomes

- Know what is where right now
- Investigate exceptions quickly
- Reduce manual spreadsheets and paper sign-out

Example dashboard snapshots

Movement timeline and exception queue

1
Active Exceptions
Movement alerts requiring action

10
Assets In Stores
Tagged stock currently recorded in stores

4
Readers Online
All four field readers reporting

3
Reads Last Hour
Accepted reads in the last hour

LIVE TIMELINE LAST 25 READS

Live movement timeline

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EXCEPTIONS Open only All exceptions

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Reader fleet health

READER FLEET APPROVED APP 0.2.0 APPROVED FIRMWARE 1

Edge device health and rollout queue

R1	R2	R3	R4
Reader 1 Main Gate	Reader 2 Stores	Reader 3 Technician Bench	Reader 4 Remote Technician Site
ONLINE	ONLINE	ONLINE	ONLINE
98% 24,812 1.2M HEALTH READS (1H) READS (24H)	97% 23,012 1.02M HEALTH READS (1H) READS (24H)	96% 21,212 0.84M HEALTH READS (1H) READS (24H)	95% 19,412 0.66M HEALTH READS (1H) READS (24H)
App 0.1.0 App Target Current Vendor FW 1.4.1 FW Target Current Access WIREGUARD	App 0.1.0 App Target Current Vendor FW 1.4.1 FW Target Current Access WIREGUARD	App 0.1.0 App Target Current Vendor FW 1.4.0 FW Target 1.4.1 Access WIREGUARD	App 0.1.0 App Target Current Vendor FW 1.3.0 FW Target 1.4.0 Access SM
Awaiting heartbeat first check-in	Awaiting heartbeat first check-in	Awaiting heartbeat first check-in	Awaiting heartbeat first check-in
Queueing...	Run Diagnostic	Run Diagnostic	Run Diagnostic
Queueing...	Queue App Update	Queue App Update	Queue App Update
Queueing...	Sync Config	Sync Config	Sync Config
Queueing...	Queue Firmware Workflow	Queue Firmware Workflow	Queue Firmware Workflow
Main Entry / Exit 192.168.18.11	Stores 192.168.18.12	Primary Technician Area 192.168.18.13	Secondary Technician Site 192.168.18.14

Latest command: RUN DIAGNOSTIC - QUEUED

Exception detail

Exceptions All Systems Operational May 15

Investigate and clear movement exceptions in real time

Active exceptions Clear All exceptions

Search by asset, EPC, or exception type

Playwright readiness asset 613615
SUSPECTED THEFT PRIORITY

ASSET	EXCEPTION	READER	WINDOW	ACTION
Playwright readiness asset 613615 E2E-613615	SUSPECTED THEFT	Reader 1 Main Gate	Until 10:34:35	CLEARED
Playwright readiness asset 613615 E2E-613615	SUSPECTED THEFT	Reader 1 Main Gate	Until 10:33:35	CLEAR
Demo Jacket E280117000002088D4F3A11	SUSPECTED THEFT	Reader 1 Main Gate	Until 10:22:55	CLEARED

How ExpandoWorks would deliver the project

PHASE 1

Scope the workflow

Map the sites, stock zones, handover points, and the operational exceptions that should trigger action.

PHASE 2

Design the RFID layout

Select readers, tags, antenna positions, mobile capture flows, and the power and network model for the environment.

PHASE 3

Configure the platform

Build movement rules, dashboards, integrations, reporting, and the user actions that fit the operation.

PHASE 4

Deploy and support

Install, test, train users, tune read zones, and support rollout into steady-state operations.

Why ExpandoWorks

- One delivery partner across engineering, edge readers, dashboards, workflow logic, and deployment support.
- The RFID platform approach already covers fixed-reader events, movement rules, live exceptions, and operator dashboards.
- The same operational pattern can be adapted for tools, service assets, linen, returnables, trolleys, and customer-site stock.
- Local delivery from Johannesburg with practical rollout thinking, integration depth, and long-term support options.

Typical outcomes

Better visibility

See what is in stores, in transit, with technicians, or back from laundry.

Fewer manual gaps

Replace paper sign-out and spreadsheet reconciliation with live reads and event history.

Faster response

Investigate alerts before missing stock becomes a write-off or service delay.

Talk to ExpandoWorks about an RFID rollout

We can scope the workflow, recommend the reader and tag strategy, and shape the dashboard and rule set around your asset or linen operation.

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