

CoreOps Product Guide

Persona and operating journey guide for maintenance, HSE, inventory, warehouse, procurement, and mobile.



For prospective clients to understand business value, pack scope, user roles, core controls, and release boundaries before discovery or a tailored demo.

01
Plan

02
Execute

03
Control

ENTITY

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EDITION

Version 1.1 | CP03-COREOPS-PG-EN-V1.1

Controlled client-facing preview | Synthetic data only | No credentials

OVERVIEW

CoreOps at a glance

CoreOps connects work demand, safety, materials, procurement, field execution, and audit in one role-scoped operating flow.

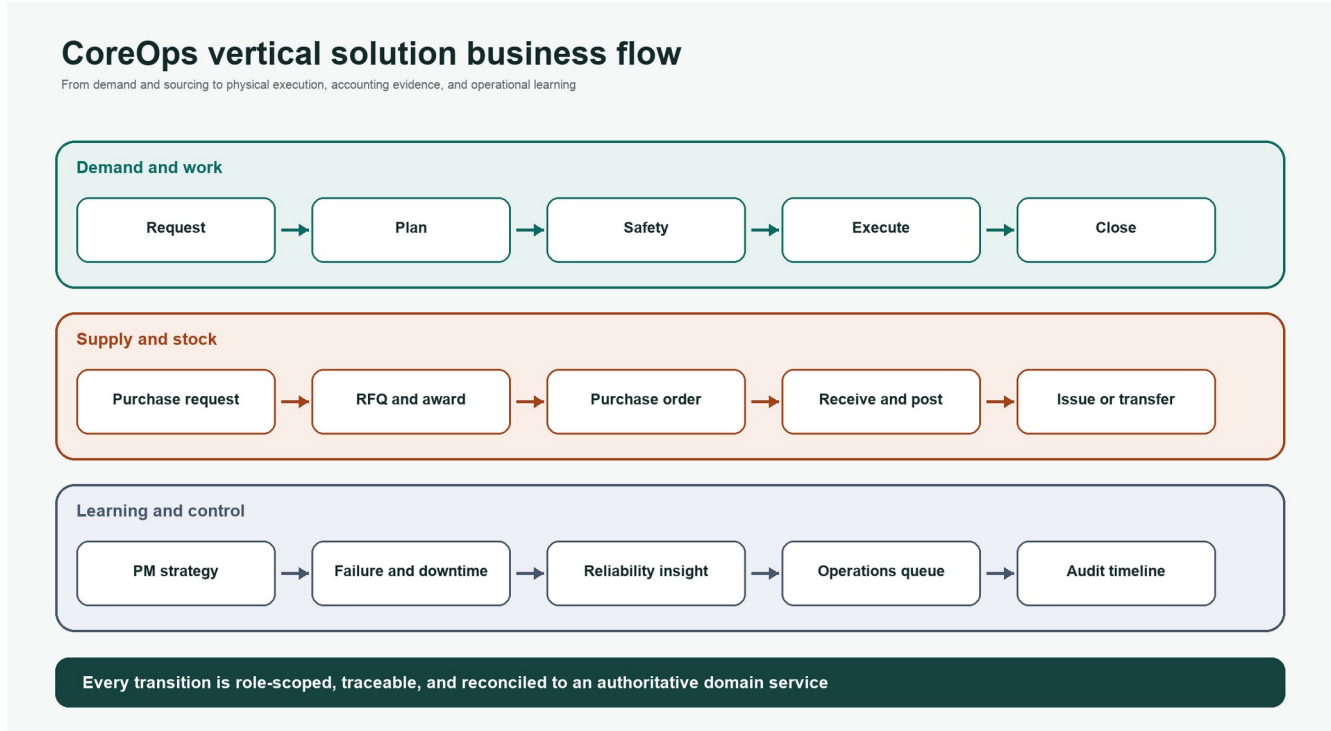


Figure 1 CoreOps end-to-end flow from demand to audit

- Authority remains with the server domain and approved roles.
- Mobile supports offline execution without taking over approvals or authoritative posting.
- Scope is assembled from the packs and capabilities the client actually needs.

What CoreOps offers

CoreOps is a vertical solution configured around each client's processes and personas. It is not offered as one fixed demo, but as a combination of packs that forms an end-to-end operating flow.

Product truth	Controlled status
10 pack	Five required foundations and five selected conditional packs
64 capability	All capabilities have been reconciled to this guide
61 internally demonstrated	Internal evidence is available; this is not client acceptance
3 partial	DEL-03, DEL-04, and DEL-05 retain explicit boundaries
Web + Android	Web covers the full operating flow; Android supports assigned field and warehouse work

Business value

- One traceable path from demand and approval through physical execution, inventory posting, and audit.
- Separation of duties across requests, approvals, execution, posting, awards, count variances, and review.
- Offline mobile capability that does not take authority away from the server domain.
- Pack-based scope lets proposals and pricing reflect the processes and capabilities actually used.
- Discovery can begin with this document before a formal demo or pilot is approved.

Important boundary

This document may be used for solution discussions and feedback. It does not establish pricing, SLAs, final integrations, licensing, implementation timing, or client acceptance.

Pack scope

Code	Pack	Status	Coverage
PF-BASE	Platform Foundation	Required	Tenant, site, SSO, role, permission, entitlement
CM-CORE	Corrective Maintenance Core	Required	Request, planning, readiness, execution, closure
INV-CORE	Inventory Core	Required	Material, balance, ledger, reservation, issue, return, adjustment
OPS-CONTROL	Operations Control	Required	Queue, blocker, timeline, audit, minimum KPI
DELIVERY-BASE	Delivery Foundation	Required	Configuration, acceptance, training, handover, support
HSE-PTW	Permit to Work	Selected	Permit, JSA, LOTO, gas test, activation and closure
PM-PACK	Preventive Maintenance	Selected	Strategy, task list, schedule, meter and condition trigger
REL-PACK	Reliability Analysis	Selected	Failure, downtime, cause, remedy, bad actor
WH-EXEC	Maintenance Warehouse Execution	Selected	Receiving, putaway, picking, packing, count, transfer
PROC-PACK	Native Procurement to Stock	Selected	PR, RFQ, quotation, award, PO, blanket, invoice match

How client scope is assembled

Layer	Discovery decision	Example
Foundation	Always included	Tenant/site, SSO, role, audit, delivery controls
Core process	Select for the operating model	Corrective maintenance, warehouse, procurement
Risk control	Enable when required	HSE permit, blind count approval, award approval
Optimization	Enable when data and process are ready	PM scheduling, reliability analysis
Mobile	Select personas and offline class	Technician, warehouse operator, sync support
Integration	Defined per client	Identity, finance, HR, supplier, document storage

Current delivery status

DEL-03 deployment and recovery, DEL-04 training and handover, and DEL-05 support and acceptance remain partial until the client-specific environment, operating model, and acceptance plan are defined.

Persona and handoff map

Journey	Persona	Primary handoff
Foundation and configuration	Platform Administrator, Product Owner / Configuration Authority	Tenant configuration -> role-based access -> active packs -> change audit
Maintenance request and planning	Maintenance Requester, Maintenance Planner	Issue identified -> work request -> triage -> work order -> task, material, and safety plan
Safety, execution, and closure	HSE Approver, Maintenance Technician / Field Technician, Maintenance Supervisor	Permit review -> readiness confirmed -> work execution -> technical completion -> closure
Inventory and posting	Inventory Storekeeper, Inventory Poster	Material master -> availability -> reservation -> issue or return -> receipt or adjustment -> immutable ledger
Warehouse inbound and configuration	Warehouse Configuration Administrator, Warehouse Receiver	Warehouse layout -> receiving task -> scan -> exception -> putaway -> inventory-posting handoff
Warehouse outbound, count, and transfer	Warehouse Operator, Inventory Adjustment Approver	Putaway or pick -> packing -> internal dispatch or transfer -> blind count -> approval and adjustment
Procurement request and vendor	Vendor Master Administrator, Procurement Requester, Procurement Approver	Vendor context -> purchase request -> independent approval -> sourcing queue
Sourcing, award, PO, and invoice	Sourcing Buyer, Procurement Award Approver, Operations Supervisor / Invoice Reviewer	RFQ -> quotations -> bid comparison -> award -> PO or blanket -> receipt -> three-way match
Preventive maintenance and reliability	Preventive Maintenance Planner, Reliability Engineer	Strategy -> task list -> schedule or trigger -> generated work -> failure or downtime -> reliability insight
Operations control, audit, and mobile support	Operations Supervisor / Auditor, Device and Mobile Administrator, Sync Support Operator, Security and Compliance Reviewer	Operational queue -> exception ownership -> audit timeline -> mobile trust and sync support -> compliance review

Operating principles

- One person may hold more than one persona only when the risk record, access matrix, and negative-control tests allow it.
- Mobile is not the system of record for approvals, permits, stock posting, awards, or protected conflicts.
- Each persona sees menus and data within their tenant, site, warehouse, assignment, and role scope.
- Demo accounts are provided through a separate channel; this client-facing document contains no shared usernames or passwords.

JOURNEY 01

Foundation and configuration

Tenant configuration -> role-based access -> active packs -> change audit

Platform Administrator

Objective	Output	Primary screen
Set up the organization context, sites, users, roles, permissions, entitlements, and menus.	Organization context and persona access ready for use.	Operations work queue and tenant or site context

Operating steps

1. Sign in through SSO and select an authorized tenant, organization, and site.
2. Create or activate users, then map their roles and site or warehouse scope.
3. Enable only the packs and features agreed in the solution configuration.
4. Test authorized access and rejection of unauthorized menus and actions.
5. Review the change audit before the configuration is used in operations.

Business rule

Cross-tenant or cross-site access is prohibited, and entitlement changes must be auditable.

Product Owner / Configuration Authority

Objective	Output	Primary screen
Define the pack combination and product acceptance boundaries for a prospective client.	Configuration baseline for discovery and estimation.	Product truth and pack configuration

Operating steps

1. Map client processes, personas, locations, volumes, integrations, and mandatory controls.
2. Select required and conditional packs, and identify capabilities that are not needed.
3. Reconcile business rules, acceptance criteria, and the demo configuration.
4. Keep scope decisions separate from pricing, contracts, distribution, and production.

Business rule

Selecting packs does not automatically authorize commercial action or a production release.

JOURNEY 02

Maintenance request and planning

Issue identified -> work request -> triage -> work order -> task, material, and safety plan

Maintenance Requester

Objective	Output	Primary screen
Record work demand with the correct asset, location, symptom, priority, and context.	Submitted and traceable work request.	Work Request Triage

Operating steps

1. Find the asset or functional location within the active site.
2. Create a work request and enter the symptom, impact, priority, and description.
3. Submit the request and monitor whether it is approved, rejected, or converted.
4. Add clarification through the available path without creating a duplicate request.

Business rule

A requester cannot approve their own request or create a work order directly.

Maintenance Planner

Objective	Output	Primary screen
Turn valid demand into a work package that is ready to schedule and execute.	Planned work order with explicit gates.	Work Order Summary and Task Plan

Operating steps

1. Triage the request by checking scope, priority, asset, and possible duplication.
2. Approve, reject, or convert within authority and ensure one source creates one work order.
3. Build the task sequence, resources, material requirements, and safety requirements.
4. Check the readiness gate, schedule, and dependency evidence before work release.
5. Maintain source traceability through closure.

Business rule

Work start remains blocked while any task, material, permit, or approval is not ready.

JOURNEY 03

Safety, execution, and closure

Permit review -> readiness confirmed -> work execution -> technical completion -> closure

HSE Approver

Objective	Output	Primary screen
Determine whether risk-bearing work satisfies permit, JSA, isolation or LOTO, and gas-test requirements.	Authoritative permit status for the readiness gate.	Safety Permit Coordination

Operating steps

1. Open the permit linked to the work order and validate the work type.
2. Review the JSA, hazard and risk assessment, isolation or LOTO, and gas test when applicable.
3. Approve or reject through workflow, and activate the permit only after prerequisites are complete.
4. Manage suspension, extension, and closure with a reason and timestamped trail.

Business rule

A planner or technician cannot approve their own permit, and an expired permit blocks work start.

Maintenance Technician / Field Technician

Objective	Output	Primary screen
Execute assigned work with complete tasks, materials, permits, readings, and outcomes.	Execution record and technical-completion request.	Task Plan, Execution, and Mobile Task or Queue

Operating steps

1. Open the assignment and confirm that the work order, materials, and permit are ready.
2. Start the task and record inspections, readings, failure observations, material use, and notes.
3. When offline, save the mobile action to the queue with a stable operation key.
4. Handle hold, cancel, or resume only through allowed states and authorities.
5. Request technical completion after every task and exception is addressed.

Business rule

The technician cannot self-approve, bypass a permit, or write directly to the stock ledger.

Maintenance Supervisor

Objective	Output	Primary screen
Confirm that technical results are sufficient, exceptions are resolved, and the work is ready to close.	Closed work order and maintenance history.	Execution Complete and Work Order History

Operating steps

1. Review task results, material consumption, downtime, permit closure, and conflicts.
2. Return the work to the technician when data is incomplete, or reject it when a control is violated.
3. Confirm technical completion, then close the work under the required separation of duties.
4. Ensure that maintenance history is readable and traceable.

Business rule

A stale mobile cache is not approval evidence; authoritative state comes from the server.

JOURNEY 04

Inventory and posting

Material master -> availability -> reservation -> issue or return -> receipt or adjustment -> immutable ledger

Inventory Storekeeper

Objective	Output	Primary screen
Maintain accurate materials, balances, reservations, issues, returns, and reconciliation.	Reconciled balance and ledger.	Parts Coordination and material readiness

Operating steps

1. Validate the material, UOM, store, status, and stock availability.
2. Create or confirm a reservation against a work order or another valid source.
3. Issue material once, then check the ledger and balance after posting.
4. Process a return or reversal with the original transaction reference and a reason.
5. Reconcile mobile capture or a warehouse task to the authoritative domain outcome.

Business rule

The ledger is append-only, and mobile cannot change balances directly.

Inventory Poster

Objective	Output	Primary screen
Post inventory goods receipt from a valid physical receipt.	Posted goods receipt ready for three-way match.	Receiving workspace and inventory ledger

Operating steps

1. Open a physically completed receiving task and match it to the PO or source line.
2. Validate received quantity, exceptions, and possible duplicate posting.
3. Post the goods receipt to Inventory once.
4. Check the balance, ledger, PO receipt state, and correlation reference.

Business rule

Receiver and poster are separated, and one receiving task can create at most one effective posting.

JOURNEY 05

Warehouse inbound and configuration

Warehouse layout -> receiving task -> scan -> exception -> putaway -> inventory-posting handoff

Warehouse Configuration Administrator

Objective	Output	Primary screen
Configure the warehouses, zones, bins, statuses, and layout rules used by transactions.	Validated warehouse layout.	Warehouse layout and bin configuration

Operating steps

1. Create a warehouse and unique zones and bins within the site.
2. Set active status, capacity, hazard or compatibility constraints, and barcode or QR references.
3. Test that inactive or cross-warehouse bins are rejected.
4. Freeze changes that affect active tasks until their impact is resolved.

Business rule

Bin context cannot be changed to work around an exception in an active transaction.

Warehouse Receiver

Objective	Output	Primary screen
Record physical receipt against a purchase order without posting inventory personally.	Receiving evidence and posting handoff.	Mobile Receiving and Offline Queue

Operating steps

1. Open the assigned receiving task and match the supplier, PO, item, and quantity.
2. Start the task, scan a QR code or barcode, or use input explicitly marked MANUAL.
3. Record ACCEPTED, WRONG_ITEM, EXCESS_QTY, or REJECTED with notes.
4. Complete receiving and hand it off to the Inventory Poster.

Business rule

Physical receipt is not the same as authoritative stock posting.

JOURNEY 06

Warehouse outbound, count, and transfer

Putaway or pick -> packing -> internal dispatch or transfer -> blind count -> approval and adjustment

Warehouse Operator

Objective	Output	Primary screen
Execute putaway, reservation picking, packing, internal shipment, transfer, and exception handling.	Captured and reconciled physical execution.	Mobile Task, Lookup, and Queue

Operating steps

1. Take an assigned task and check the warehouse and cache timestamp.
2. Scan the material and source or destination bin according to the task and source document.
3. Record shortage, wrong item or bin, over-pick rules, or exceptions without overwriting server state.
4. Create the package and complete picking, packing, or internal dispatch.
5. Monitor the queue and replay only queued or retryable records with the same key.

Business rule

RFID is currently simulated; external dispatch and field photos are outside Release-1 scope.

Inventory Adjustment Approver

Objective	Output	Primary screen
Assess blind-cycle-count variances before an inventory adjustment is posted.	Separated variance decision and adjustment request.	Blind Count and approval workspace

Operating steps

1. Review the count submission without changing the counter's evidence.
2. Compare variance, reason, material and bin context, and history.
3. Approve or reject as a persona distinct from the counter.
4. Send the approved request to Inventory for posting and verify the ledger result.

Business rule

The counter cannot see system quantity before submission or approve their own variance.

JOURNEY 07

Procurement request and vendor

Vendor context -> purchase request -> independent approval -> sourcing queue

Vendor Master Administrator

Objective	Output	Primary screen
Maintain vendor identity and status for sourcing selection.	Valid vendor sourcing context.	Vendor workspace

Operating steps

1. Create or update a vendor with identity, status, category, and organization scope.
2. Validate duplication and changes to critical data.
3. Activate the vendor only after internal controls are satisfied.
4. Audit changes before the vendor is used in an RFQ or PO.

Business rule

Inactive or blocked vendors cannot be used for a new award or PO.

Procurement Requester

Objective	Output	Primary screen
Request materials or services with the proper source, quantity, date, and justification.	Purchase request ready for a decision.	Purchase Request workspace

Operating steps

1. Create a purchase request from maintenance demand, stock demand, or a direct need.
2. Enter lines, quantities, UOM, required date, site or warehouse, and justification.
3. Submit for approval and monitor disposition.
4. Correct a returned request without creating a duplicate replacement request.

Business rule

A requester cannot approve their own request.

Procurement Approver

Objective	Output	Primary screen
Confirm that a purchase request is valid, necessary, authorized, and ready for sourcing.	Auditable approved PR or disposition.	Approval workspace

Operating steps

1. Review the requester, source demand, lines, quantities, required dates, and justification.
2. Check conflicts of interest and authority limits.
3. Approve, reject, or return with a reason.
4. Ensure the approved request enters the sourcing queue once.

Business rule

The decision must come from a different role and cannot alter the need without a trace.

JOURNEY 08

Sourcing, award, PO, and invoice

RFQ -> quotations -> bid comparison -> award -> PO or blanket -> receipt -> three-way match

Sourcing Buyer

Objective	Output	Primary screen
Run RFQs, capture quotations, compare bids, and create POs from approved awards.	Comparable bid analysis, approved-source PO, or blanket utilization.	RFQ, quotation, bid comparison, and PO workspace

Operating steps

1. Create an RFQ from an approved PR and select relevant active vendors.
2. Record each vendor quotation with currency, price, lead time, and validity.
3. Compare bids on a consistent basis and document exceptions.
4. Submit the award recommendation for separate approval.
5. After award, generate a PO or manage blanket and call-out use within limits.

Business rule

A buyer cannot approve their own award; payment execution is outside the pack.

Procurement Award Approver

Objective	Output	Primary screen
Decide awards and call-outs using the evaluation basis and authority limits.	Auditable award or call-out decision.	Award decision workspace

Operating steps

1. Review the RFQ, quotations, comparison, recommendation, and exceptions.
2. Validate the vendor, commercial basis, quantity, and approval limit.
3. Approve or reject the award or call-out as a separate role.
4. Ensure a PO or call-out can be created only from an effective decision.

Business rule

The approver cannot modify vendor quotations or manipulate the comparison while deciding.

Operations Supervisor / Invoice Reviewer

Objective	Output	Primary screen
Assess the exact three-way match among the PO, goods receipt, and supplier invoice.	Approved or rejected match decision.	Supplier invoice and match workspace

Operating steps

1. Open the invoice and match supplier, PO, receipt, line, quantity, and amount.
2. Flag mismatches and route them to the correct owner.
3. Approve only invoices that satisfy matching and authority requirements.
4. Keep the correlation reference for audit and hand off to the out-of-scope payment process.

Business rule

Invoice approval is not payment execution.

JOURNEY 09

Preventive maintenance and reliability

Strategy -> task list -> schedule or trigger -> generated work -> failure or downtime -> reliability insight

Preventive Maintenance Planner

Objective	Output	Primary screen
Maintain strategies, task-list versions, schedules, and triggers that create idempotent work orders.	Controlled preventive-work pipeline.	PM strategy, plan, task list, and generation workspace

Operating steps

1. Create a strategy and preventive plan for the correct asset and site.
2. Build a versioned task list with interval, skill, material, and safety requirements.
3. Enable the agreed calendar, meter, inspection, or condition trigger.
4. Run generation and ensure the same trigger does not create duplicate work orders.
5. Review due or overdue work and execution results to adjust the plan.

Business rule

A task-list change cannot alter the history of versions already used.

Reliability Engineer

Objective	Output	Primary screen
Analyze failures, downtime, causes, effects, remedies, and bad actors to improve strategy.	Reliability insight and controlled recommendations.	Failure report and bad-actor workspace

Operating steps

1. Validate the failure-code taxonomy and failure-report quality.
2. Record cause, effect, remedy, downtime, and production impact.
3. Review reliability metrics and bad-actor rankings.
4. Propose PM or task-list improvements or corrective action with traceability.

Business rule

Analysis cannot alter work-order history or failure evidence.

JOURNEY 10

Operations control, audit, and mobile support

Operational queue -> exception ownership -> audit timeline -> mobile trust and sync support -> compliance review

Operations Supervisor / Auditor

Objective	Output	Primary screen
Monitor work, blockers, exceptions, minimum KPIs, and the cross-domain audit timeline.	Operational decision support and audit evidence.	Operations Work Queue and Audit Timeline

Operating steps

1. Open the manager queue and filter by tenant, site, and status.
2. Review readiness, exception owner, age, and next action.
3. Open the chronological timeline for actor, source, time, status, and correlation.
4. Export audit data under the approved retention and access scope.

Business rule

The dashboard is guidance, not a replacement for the system of record or approval authority.

Device and Mobile Administrator

Objective	Output	Primary screen
Enroll, approve, trust, suspend, revoke, or mark a device lost or compromised.	Auditable trusted or revoked device state.	Mobile enrollment and trust workspace

Operating steps

1. Check the enrollment request and identity and device context.
2. Approve and trust a device that meets policy and app-version requirements.
3. Suspend, revoke, or mark it lost or compromised when required.
4. Ensure user change, logout, or wipe requests clear tokens and scoped cache.

Business rule

A device administrator receives no business-transaction rights or payload beyond support needs.

Sync Support Operator

Objective	Output	Primary screen
Diagnose queue, retry, conflict, compatibility, and health without changing business outcomes.	Controlled sync recovery or escalation.	Offline Queue and telemetry workspace

Operating steps

1. Find a record using its operation or correlation ID and masked metadata.
2. Distinguish queued, syncing, synced, conflict, retryable, rejected, and expired states.
3. Replay only records allowed by policy and do not create a new operation key.
4. Escalate protected conflicts to the domain owner and retain the support audit.

Business rule

Support cannot delete a failure, overwrite a domain outcome, or expose a token.

JOURNEY 10 CONTINUED

Operations control, audit, and mobile support continued

Security and Compliance Reviewer

Objective	Output	Primary screen
Review device, access, retention, evidence references, telemetry, and release controls in read-only mode.	Read-only assurance finding and gate input.	Security telemetry and evidence package

Operating steps

1. Review role and scope, device trust, revocation, and negative-control evidence.
2. Check queue lifecycle, audit correlation, retention and purge, and secret and permission posture.
3. Verify that field-photo and external-storage paths are unreachable in Release-1.
4. Record findings and assurance status without changing runtime or evidence.

Business rule

A reviewer cannot also be the implementer or formal penetration tester for the same subject.

Mobile application operating guide

Application status

Mobile Technician and Mobile Warehouse are internal Android runtimes tested on a physical device. They are not yet Google Play applications that may be distributed to prospective clients.

Sign-in and device activation

1. An administrator provides the approved URL or issuer, client ID, tenant, site, and warehouse through the onboarding channel.
2. The user selects company sign-in and completes OIDC Authorization Code with PKCE in the system browser.
3. The app requests enrollment; a Device Administrator reviews, approves, and trusts the device.
4. The user runs the status check; app version, schema compatibility, trust, and heartbeat must pass.
5. My Tasks contains only assignments and cache within the user's scope.

Field-technician operation

Stage	User action	Control
Assignment	Open the assigned work package	Unassigned work is rejected
Readiness	Check permits and materials	Start is rejected until ready
Execution	Record task, reading, inspection, failure, and note	One action ID per mutation
Offline	Save to the queue and continue within the offline class	Do not report success before acceptance
Recovery	Replay queued or retryable actions when online	Protected conflicts use server-wins or manual review
Completion	Submit results to the supervisor	No self-approval

Warehouse operation

- Receiving: scan the item, quantity, and result, then hand posting to the Inventory Poster.
- Putaway: scan an active destination bin in the correct warehouse.
- Picking: scan the item and source bin, record shortage or exception, and complete the task.
- Packing: create a package and scan its reference; physical RFID is not yet used.
- Blind count: system quantity stays hidden until submission, and a separate approver decides the variance.
- Queue: replay only queued or retryable records; expired records cannot be forced.

Minimum business rules

Rule	Requirement
AUTH-01	All access follows tenant, organization, site, warehouse, role, and permission scope.
SOD-01	Requester, approver, executor, poster, and reviewer are separated for critical decisions.
EAM-01	Work cannot start before task, material, safety, and approval gates are ready.
INV-01	The inventory ledger is append-only; a reversal references the original transaction and a reason.
WH-01	Every scan is bound to the task, source document, material, quantity, bin, and warehouse.
WH-02	Blind count hides system quantity until submission and approval of the variance by another person.
PROC-01	An approved PR precedes an RFQ or PO, and the buyer cannot approve their own award.
PROC-02	Three-way match uses PO, goods receipt, and invoice; payment execution is outside scope.
MOB-01	Mobile captures work while the server domain retains authority and determines transaction outcomes.
MOB-02	The queue uses a stable operation key; duplicate replay cannot create a second effect.
MOB-03	Cache is constrained by assignment and age; stale cache is not approval evidence.
MOB-04	Release-1 uses NO_FIELD_EVIDENCE; photo upload and storage are unreachable.
REL-01	Failure taxonomy, downtime, cause, effect, remedy, and recommendation remain traceable.
AUD-01	Material changes retain actor, action, entity, source, time, status, and correlation.

Status labels prospective clients should understand

Label	Meaning
Internally demonstrated	Demonstrated with internal evidence; not the same as client acceptance.
Partial	Some design or artifacts exist, but environment-specific or acceptance conditions are incomplete.
Synthetic-only	Demo data is not real personal, client, supplier, or transaction data.
NO_FIELD_EVIDENCE	Field photos, upload, external photo storage, retrieval, and deletion are inactive in Release-1.
Simulator	Shown RFID behavior is simulated; devices, gateways, firmware, and MDM are not included.

Web screen atlas

These screens come from the maintained recorded-demo fallback and use a tenant and synthetic data marked DEMO ONLY. Procurement, warehouse, PM, and reliability use the same product workspace, configured by pack and role.

CoreOps / LOCAL DEMO

home demo operations

RECORDED DEMO FALLBACK DEMO ONLY cp02-demo-seed-v1 Captured 2026-09-07

Operasi Tambang Sintetis — DEMO ONLY PT Nusantara Tambang Sintetis — DEMO ONLY Site Tambang Kaltim Sintetis — DEMO ONLY

demo-operations / Operations Work Queue — DEMO ONLY

DEMO ONLY · cp02-demo-seed-v1

Operations work queue

Read-only tenant/site snapshot composed from live EAM coordination and Workflow approval history.

Refresh live state

01 Request 02 Plan 03 Parts 04 Safety 05 Execute 06 Audit

This view is operational guidance, not a production KPI, SLA, control attestation, or system-of-record override.

OPEN SNAPSHOT
0
1 work orders in selected site

READY / ACTIVE
0/0
Live state, not throughput

RECOVERY ATTENTION
0
Failed/retryable handoffs only

Read-only work queue

Current work orders and coordinated execution gates

WORK ORDER	STATE	GATES	COORDINATION	NEXT ACTION	VIEW
WO-DEMO-0001 Perbaikan kebocoran hidrolik — DEMO ONLY	CLOSED HEALTHY	Material: ISSUED Permit: APPROVED	Inventory: COMPLETED Safety: COMPLETED	NO ACTION	Audit timeline Open detail

Web 1 Operations Work Queue | Persona: Operations Supervisor / Auditor | Work summary, readiness, recovery attention, and next action.

WEB SCREENS

CoreOps

/ LOCAL DEMO

home

demo operations

RECORDED DEMO FALLBACK

DEMO ONLY

cp02-demo-seed-v1

Captured 2026-09-07

Operasi Tambang Sintetis — DEMO ONLY

PT Nusantara Tambang Sintetis — DEMO ONLY

Site Tambang Kaltim Sintetis — DEMO ONLY

demo-operations / Work Request Triage — DEMO ONLY

DEMO ONLY - cp02-demo-seed-v1

Work Request Triage

Data pada tabel dan seluruh transisi berasal dari Asset Maintenance API.

01 Request

02 Plan

03 Parts

04 Safety

05 Execute

06 Audit

Work request untuk tenant dan site terpilih

REQUEST	SYMPTOM	PRIORITY	STATUS	ACTIONS
WR-DEMO-0001 DEFECT	Kebocoran hidrolik sintetis untuk demonstrasi — DEMO ONLY	HIGH	DRAFT	
WR-DEMO-0002 DEFECT	Getaran pompa hidrolik sintetis — DEMO ONLY	HIGH	CONVERTED_TO_WORK_ORDER	Open work order

Web 2 Work Request Triage | Persona: Maintenance Requester / Planner | Incoming demand and disposition toward a work order.

CoreOps

/ LOCAL DEMO

home

demo operations

RECORDED DEMO FALLBACK

DEMO ONLY

cp02-demo-seed-v1

Captured 2026-09-07

Operasi Tambang Sintetis — DEMO ONLY

PT Nusantara Tambang Sintetis — DEMO ONLY

Site Tambang Kaltim Sintetis — DEMO ONLY

demo-operations / Work Order Execution — DEMO ONLY

DEMO ONLY - cp02-demo-seed-v1

WO-DEMO-0001

Perbaikan kebocoran hidrolik — DEMO ONLY

CLOSED

01 Request

02 Plan

03 Parts

04 Safety

05 Execute

06 Audit

Summary

Tasks

Materials

Safety

Execution

History

Summary

Source

WR-DEMO-0002

Type

CORRECTIVE

Priority

HIGH

Approval

Workflow 6ae00d89-1a9f-416c-bb5f-78bbdb066a0b

Execution gates

Material

ISSUED

Permit

APPROVED

Material and permit gates are backed by live CP-02.4 Inventory and CP-02.5 HSE/Workflow coordination.

Web 3 Work Order Summary | Persona: Maintenance Planner / Supervisor | Work-order header, state, source, and readiness.

Controlled product guide | v1.1 | CP03-COREOPS-PG-EN-V1.1 | 20 / 31

WEB SCREENS

CoreOps

/ LOCAL DEMO

home

demo operations

RECORDED DEMO FALLBACK

DEMO ONLY

cp02-demo-seed-v1

Captured 2026-09-07

Operasi Tambang Sintetis — DEMO ONLY

PT Nusantara Tambang Sintetis — DEMO ONLY

Site Tambang Kaltim Sintetis — DEMO ONLY

demo-operations / Work Order Execution — DEMO ONLY

DEMO ONLY · cp02-demo-seed-v1

WO-DEMO-0001

Perbaikan kebocoran hidrolik — DEMO ONLY

CLOSED

01 Request

02 Plan

03 Parts

04 Safety

05 Execute

06 Audit

Summary

Tasks

Materials

Safety

Execution

History

Tasks

1. Isolasi, inspeksi, dan perbaiki kebocoran hidrolik — DEMO ONLY

PENDING

Ikuti LOTO; permit dan material diverifikasi oleh service live

Web 4 Task Plan | Persona: Maintenance Planner / Technician | Task sequence and controls before execution.

home

demo operations

RECORDED DEMO FALLBACK

DEMO ONLY

cp02-demo-seed-v1

Captured 2026-09-07

demo-operations / Parts Coordination — DEMO ONLY

DEMO ONLY · cp02-demo-seed-v1

Parts coordination

Availability, reservation, issue, dan bukti ledger melalui EAM↔Inventory live.

CP-02.8 polished

01 Request

02 Plan

03 Parts

04 Safety

05 Execute

06 Audit

Work order

WO-DEMO-0001 · CLOSED

Open work order

Saldo live dibaca dari Inventory; tidak ada kuantitas sintetis dari EAM.

Read live availability

ON HAND

8 EA

Inventory balance

RESERVED

0 EA

Inventory balance

AVAILABLE

8 EA

9/8/2026, 5:45:30 PM

EAM material gate

Material

BRG-DEMO-6208 · 2 EA

Status

ISSUED

Reservation

acb83ec8-93d9-42f1-9521-db163a01b2a9

Reservation line

b1995aa5-fcaf-47e1-a195-d7de3b16fb4c

Provider ledger evidence

Issue

ISS-DEMO-0001

Coordination

COMPLETED

Ledger

LDG-20260906174530643-9F3CCF61

Quantity out

2 EA

Web 5 Parts Coordination | Persona: Planner / Inventory Storekeeper | Material requirement, reservation, issue, and readiness.

WEB SCREENS

CoreOps

/ LOCAL DEMO

home

demo operations

RECORDED DEMO FALLBACK

DEMO ONLY

cp02-demo-seed-v1

Captured 2026-09-07

Operasi Tambang Sintetis — DEMO ONLY

PT Nusantara Tambang Sintetis — DEMO ONLY

Site Tambang Kaltim Sintetis — DEMO ONLY

demo-operations / Safety Permit Coordination — DEMO ONLY

DEMO ONLY · cp02-demo-seed-v1

Safety permit coordination

HSE permit state follows one authorized Workflow task; EAM only coordinates and stores reconciled references.

CP-02.8 polished

01 Request

02 Plan

03 Parts

04 Safety

05 Execute

06 Audit

Work order

WO-DEMO-0001 · CLOSED

Open work order

HSE PERMIT

APPROVED

PTW-DEMO-0001

WORKFLOW

COMPLETED

c7300b66-5e29-441e-a269-af0cf82d852

APPROVAL TASK

APPROVED

7128a853-e36a-43fc-a146-e4fb432c3666

Execution gate

Work order

WO-DEMO-0001

Material

ISSUED

Permit

APPROVED

Technician start remains denied until every required material is

Authority evidence

HSE reference

b6fe3c5b-38c5-4b39-9af3-e3305141eba6

Permit number

PTW-DEMO-0001

Workflow instance

c7300b66-5e29-441e-a269-af0cf82d852

Web 6 Safety Permit Coordination | Persona: HSE Approver / Planner | Permit state and execution gate with authority evidence.

CoreOps

/ LOCAL DEMO

home

demo operations

RECORDED DEMO FALLBACK

DEMO ONLY

cp02-demo-seed-v1

Captured 2026-09-07

Operasi Tambang Sintetis — DEMO ONLY

PT Nusantara Tambang Sintetis — DEMO ONLY

Site Tambang Kaltim Sintetis — DEMO ONLY

demo-operations / Work Order Execution — DEMO ONLY

DEMO ONLY · cp02-demo-seed-v1

WO-DEMO-0001

Perbaikan kebocoran hidrolik — DEMO ONLY

CLOSED

01 Request

02 Plan

03 Parts

04 Safety

05 Execute

06 Audit

Summary

Tasks

Materials

Safety

Execution

History

Back to requests

Parts coordination

Safety coordination

Operations overview

NEXT AUTHORIZED TRANSITION

CLOSED

Hanya aksi yang valid untuk state dan permission aktif yang ditampilkan. Tombol dikunci selama submit dengan satu idempotency key per operasi.

Web 7 Execution Complete | Persona: Technician / Supervisor | Execution result and technical completion.

WEB SCREENS

CoreOps

/ LOCAL DEMO

home

demo operations

RECORDED DEMO FALLBACK DEMO ONLY cp02-demo-seed-v1 Captured 2026-09-07

Operasi Tambang Sintetis — DEMO ONLY

PT Nusantara Tambang Sintetis — DEMO ONLY

Site Tambang Kaltim Sintetis — DEMO ONLY

demo-operations / Work Order Execution — DEMO ONLY

DEMO ONLY · cp02-demo-seed-v1

WO-DEMO-0001

Perbaikan kebocoran hidrolik — DEMO ONLY

CLOSED

01 Request

02 Plan

03 Parts

04 Safety

05 Execute

06 Audit

Summary

Tasks

Materials

Safety

Execution

History

History

1. SCHEDULED

CP-02 synthetic schedule — DEMO ONLY

9/7/2026, 12:45:31 AM

APPROVED → SCHEDULED

2. READY_TO_EXECUTE

Work order readiness evaluated

9/7/2026, 12:45:31 AM

SCHEDULED → READY_TO_EXECUTE

3. STARTED

CP-02 technician start — DEMO ONLY

9/7/2026, 12:45:31 AM

READY_TO_EXECUTE → IN_PROGRESS

4. WORK_COMPLETED

Kebocoran diperbaiki dan fungsi diverifikasi — DEMO ONLY

9/7/2026, 12:45:31 AM

IN_PROGRESS → WORK_COMPLETED

Web 8 Work Order History | Persona: Supervisor / Reliability Engineer | Durable, connected maintenance history.

RECORDED DEMO FALLBACK DEMO ONLY cp02-demo-seed-v1 Captured 2026-09-07

WO-DEMO-0001 · 2 authoritative sources · redacted=true

1. Work Request Created

→ DRAFT

9/7/2026, 12:45:27 AM

REQUEST · asset-maintenance-service

2. Work Request Submitted

→ SUBMITTED

9/7/2026, 12:45:27 AM

REQUEST · asset-maintenance-service

3. Work Request Triaged

→ SCREENING

9/7/2026, 12:45:27 AM

REQUEST · asset-maintenance-service

4. Work Request Approved

→ APPROVED

9/7/2026, 12:45:27 AM

REQUEST · asset-maintenance-service

5. Work Order Created

→ DRAFT

9/7/2026, 12:45:28 AM

WORK_ORDER · asset-maintenance-service

6. Work Request Converted To Work Order

→ CONVERTED

9/7/2026, 12:45:28 AM

REQUEST · asset-maintenance-service

7. Work Order Planned

→ PLANNED

9/7/2026, 12:45:28 AM

WORK_ORDER · asset-maintenance-service

8. Work Order Material Requested

→ —

9/7/2026, 12:45:28 AM

INVENTORY · asset-maintenance-service

9. Work Order Material Reservation Requested

→ RESERVING

9/7/2026, 12:45:29 AM

INVENTORY · asset-maintenance-service

Web 9 Audit Timeline | Persona: Operations Supervisor / Auditor | Cross-domain chronology and correlation reference.

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WEB SCREENS

CoreOps

/ LOCAL DEMO

home

demo operations

RECORDED DEMO FALLBACK

DEMO ONLY

cp02-demo-seed-v1

Captured 2026-09-07

Operasi Tambang Sintetis — DEMO ONLY

PT Nusantara Tambang Sintetis — DEMO ONLY

Site Tambang Kaltim Sintetis — DEMO ONLY

Open module

demo-operations

/ Operations Work Queue — DEMO ONLY

DEMO ONLY · cp02-demo-seed-v1

Operations work queue

Read-only tenant/site snapshot composed from live EAM coordination and Workflow approval history.

Refresh live state

Request	Plan	Parts
Safety	Execute	Audit

This view is operational guidance, not a

Web 10 Responsive Web View | Persona: Supervisor / Requester | Responsive web access, not a substitute for the native Android apps.

Mobile screen atlas

These screens are evidence from the internal Android runtime on a physical device. Data remains synthetic; the images do not represent a Google Play release, external distribution, or production approval.

07.25

Offline Queue

3 aksi; replay maksimum 8 jam.

Replay

Bersihkan tersinkron (3)

COMPLETE_RECEIVING

synced · 2026-09-30 07:24:46.157636

Receiving task completed

SCAN_RECEIVING

synced · 2026-09-30 07:24:42.210885

Receiving scan recorded

START_RECEIVING

synced · 2026-09-30 07:23:36.907731

Receiving task started

Task

Lookup

Queue

Profil

Warehouse Offline Queue

Warehouse Receiver

Receiving start, scan, and completion have synchronized to the server.

07.38

Offline Queue

11 aksi; replay maksimum 8 jam.

Replay

Bersihkan tersinkron (10)

COMPLETE_PICKING

synced · 2026-09-30 07:30:44.570342

Picking task completed

SCAN_PICKING

synced · 2026-09-30 07:30:40.687562

Picking scan recorded

START_PICKING

synced · 2026-09-30 07:28:28.996589

Picking task started

COMPLETE_PUTAWAY

synced · 2026-09-30 07:27:57.637511

Putaway task completed

SCAN_PUTAWAY

synced · 2026-09-30 07:27:53.620168

Putaway scan recorded

START_PUTAWAY

synced · 2026-09-30 07:26:47.379348

Putaway task started

Task

Lookup

Queue

Profil

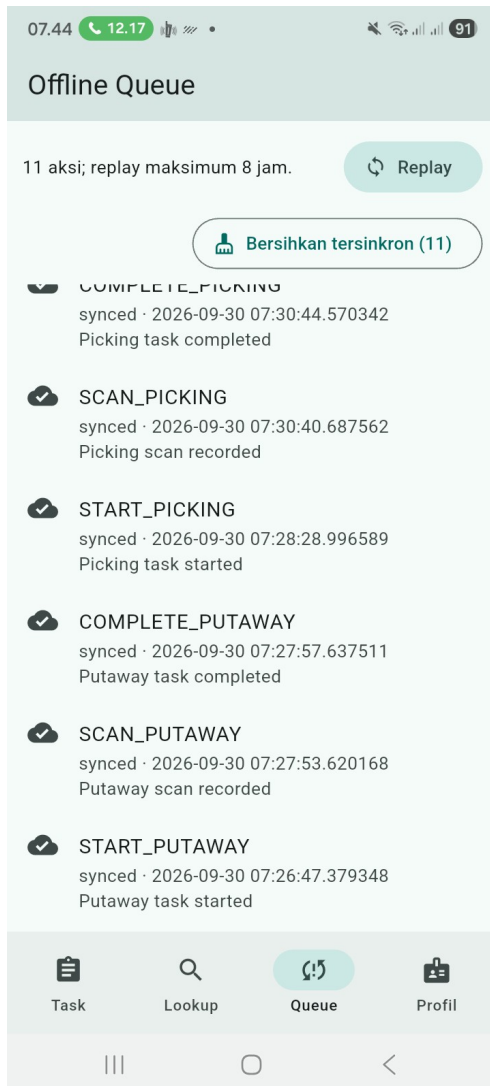
Blind Count Captured Offline

Warehouse Operator

The action is stored safely while connectivity is unavailable.

Visible controls include task and assignment scope, offline queue, stable replay, server reconciliation, and protected conflicts. Business approvals and authoritative posting remain with authorized web personas.

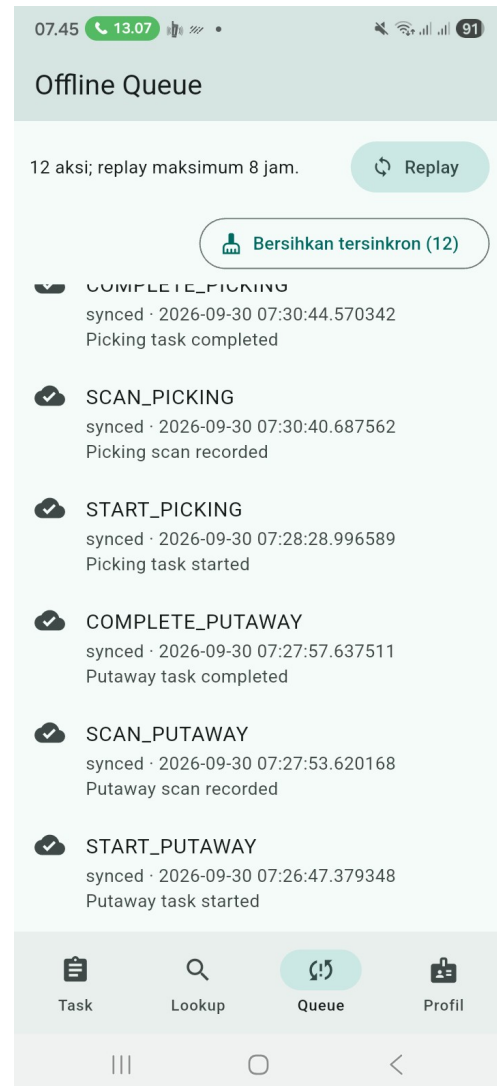
MOBILE SCREENS



Blind Count Replayed Online

Warehouse Operator / Adjustment Approver

Replay uses the same operation key and waits for separate approval.



Putaway and Picking Synchronized

Warehouse Operator

Putaway and picking appear as synchronized, auditable actions.

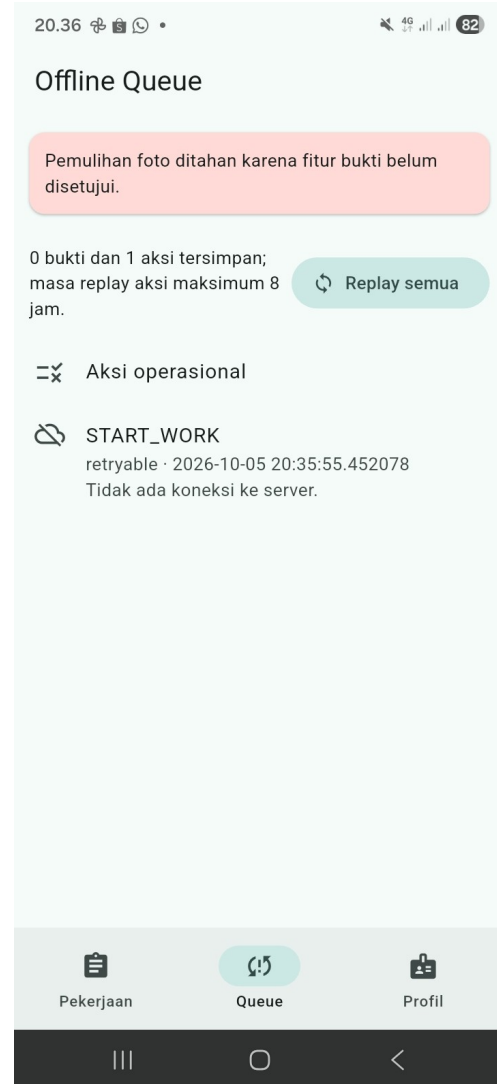
Visible controls include task and assignment scope, offline queue, stable replay, server reconciliation, and protected conflicts. Business approvals and authoritative posting remain with authorized web personas.

MOBILE SCREENS


QR Lookup Entry

Warehouse Operator

QR or barcode input remains constrained by cache, assignment, warehouse, and authorization.

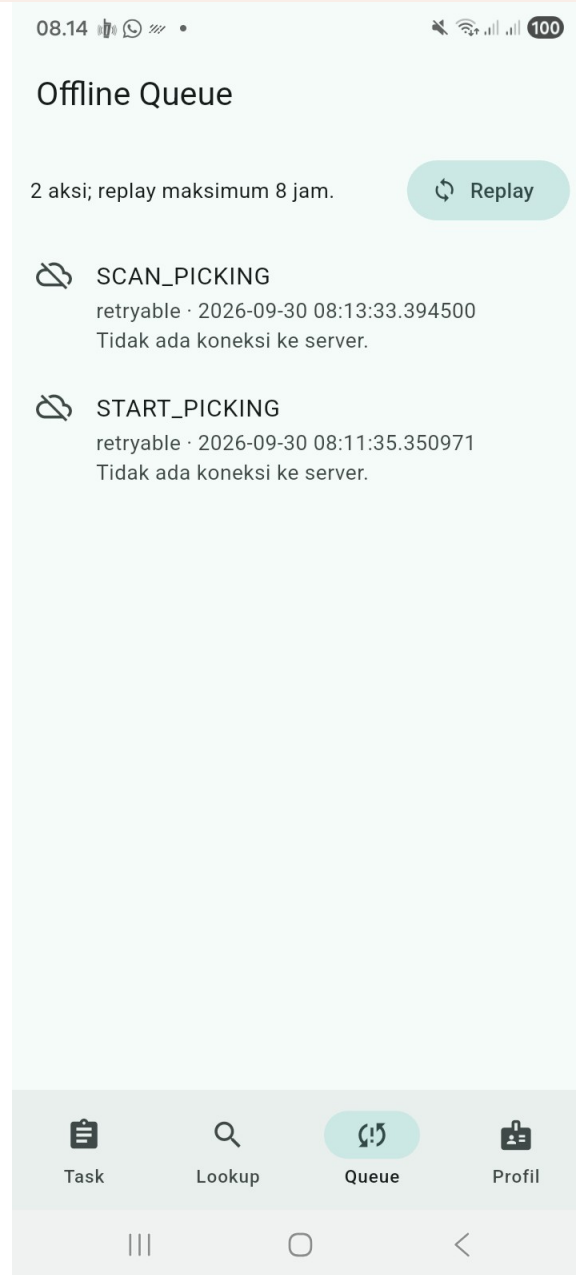

Network Handover Offline Queue

Field Technician / Warehouse Operator

The queue is preserved when connectivity changes or the server cannot be reached.

Visible controls include task and assignment scope, offline queue, stable replay, server reconciliation, and protected conflicts. Business approvals and authoritative posting remain with authorized web personas.

MOBILE SCREENS



Mobile 7 Offline Queue Survives Restart | Warehouse Operator / Sync Support | Retryable actions remain available after an app restart and are not silently lost.

Visible controls include task and assignment scope, offline queue, stable replay, server reconciliation, and protected conflicts. Business approvals and authoritative posting remain with authorized web personas.

How to use this guide with prospective clients

60-minute agenda

Time	Topic	Output
0-10	Operating problem and outcome	Business priority
10-20	Personas, organization, sites, and authority	Persona map
20-35	Relevant journeys	In-scope process
35-45	Web and mobile screen walkthrough	Usability feedback
45-55	Integration, data, security, and reporting	Dependency list
55-60	Next step	Discovery, tailored demo, or fit-gap

Discovery questions

- How many sites, warehouses, users, assets, work orders, PRs or POs, and transactions are handled each month?
- Which personas must be separated, and what are the approval limits for each authority?
- Are HSE permits, JSA, LOTO, gas tests, or risk matrices mandatory for all work or only selected work types?
- Which of receiving, putaway, picking, packing, cycle count, transfer, and shipment are used?
- Are RFQs, quotation comparison, blanket or call-out arrangements, and three-way match required?
- Do technicians or warehouse staff work offline, for how long, and on which Android devices?
- Which integrations are required: SSO, ERP or finance, HR, documents, suppliers, notifications, or IoT and RFID?
- Which data is personal or sensitive, and what retention, deletion, and audit requirements apply?
- Which reports or KPIs are needed for operations, maintenance, stock, procurement, and reliability?
- What acceptance criteria, training plan, support model, recovery targets, and production constraints apply?

Recommended discovery output

Persona-to-role matrix, selected-pack manifest, capability fit-gap, integration and data inventory, tailored-demo script, acceptance plan, implementation estimate, and a separately approved commercial proposal.

Use boundaries and release readiness

Area	May be discussed or shown	Must not yet be claimed
Web	Synthetic flows and product capabilities	Production deployment or client acceptance
Mobile	Internal screens and journeys	Google Play release or installation on a client device
Photos	Future-capability architecture	Field-photo capture, upload, or storage in Release-1
RFID	Simulator and controlled package binding	Production devices, gateways, antennas, or firmware
Procurement	PR through three-way match	Supplier payment
Delivery	Configuration, guide, and evidence	Final SLA, recovery, handover, or support commitments
Commercial	Scope discussion and fit-gap	Final pricing, quotation, contract, or schedule

Mobile release path

- A verified Google Play organization developer account for PT Madina Rekanala Lestari has not been confirmed.
- A technical signing-key custodian has not been appointed, and signing or upload keys have not been created.
- Google Play App Signing, Play Integrity binding, the internal-test track, and PLAY_RECOGNIZED and LICENSED evidence are not yet available.
- This is a mobile-release-specific gate; GLOBAL_EFFECTIVE_HOLD remains RELEASED_NOT_REACTIVATED.

Recommended use now

Share this PDF for discovery and feedback. For an interactive session, use a tailored demo with synthetic data and separate authorization. Do not send an APK or AAB, credentials, or an internal runtime address.

APPENDIX

Control references

Source	Repository file
Product truth	apps/web-app-shell/src/solution/referenceSolution.ts
Guide reconciliation	CP-03.0M-DP-E6-R8-USER-GUIDE-RECONCILIATION.yaml
Rehearsal	CP-03.0M-DP-E6-R8-DEMO-REHEARSAL-RUNBOOK.md
Web personas	CP-03.0M-DP-E6-R7-PERSONA-AND-PERMISSION-MATRIX.yaml
Mobile personas and rules	CP-03.0M-DP-E7-R1-PERSONA-AND-BUSINESS-RULE-MAP.md
Mobile technician guide	CP-03.0M-DP-E7-R2-MOBILE-RUNTIME-OPERATING-GUIDE.md
Mobile warehouse guide	CP-03.0M-DP-E7-R3-MOBILE-WAREHOUSE-OPERATING-GUIDE.md

Terminology

Term	Definition
Persona	A work responsibility and authority, not necessarily one organizational job title.
Pack	A group of capabilities selected or omitted in the solution configuration.
Capability	A process ability with an owner, maturity level, and acceptance condition.
Authoritative domain	The service that determines state validity and transaction effects.
Client acceptance	A formal client decision after scope, environment, data, and tests are agreed.

End of controlled preview