

Approve a 300-Box 8-Week Pilot

LoopBin recovery pilot · Start with bounded scope and decide on expansion at D+56

300 BOXES

Fictional pilot scope

8 WEEKS

D+3 start · D+56 decision

¥18.6M

VAT excl. · Fictional

DECISIONS REQUIRED

01 Approve budget

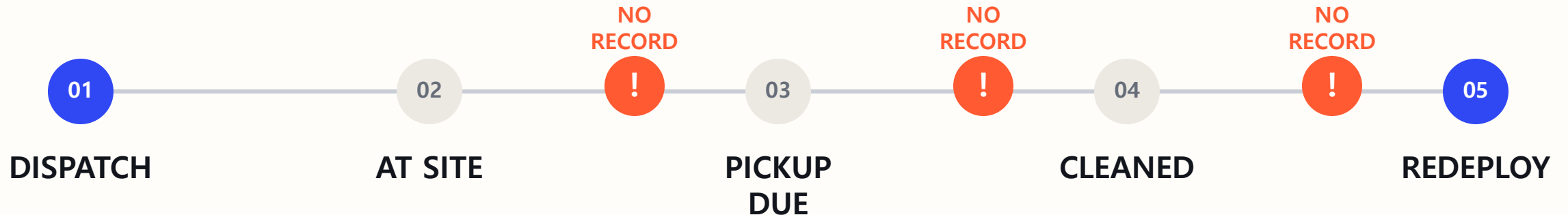
02 Appoint owner

03 Provide master data

Confirm D+3 kickoff

Three broken handoffs—not inventory—create the shortage

Dispatch is recorded; storage, pickup and cleaning are not linked into one traceable history.



Teams secure replacements before separating loss from delay; recovery priorities and ownership stay unclear.

A 4-week baseline leaves 14% unlocated; 66% lose their last trace after delivery

SYNTHETIC DATA

Fictional box pool · 1,200



38 HRS

Assumed monthly
reconciliation

KRW 2.28M

Assumed replacement exposure

66%

111 of 168 unlocated
boxes
stop at 'Delivered'

Assumption · 60 × KRW 38K

Not measured savings

Link status by QR, then manage only overdue exceptions

TODAY · FRAGMENTED

Calls · Messages · Sheets

Recheck last location
Remember next action
Reconcile the full pool



PILOT · LINKED OWNERSHIP

One BOX ID links four fields

STATUS

LOCATION

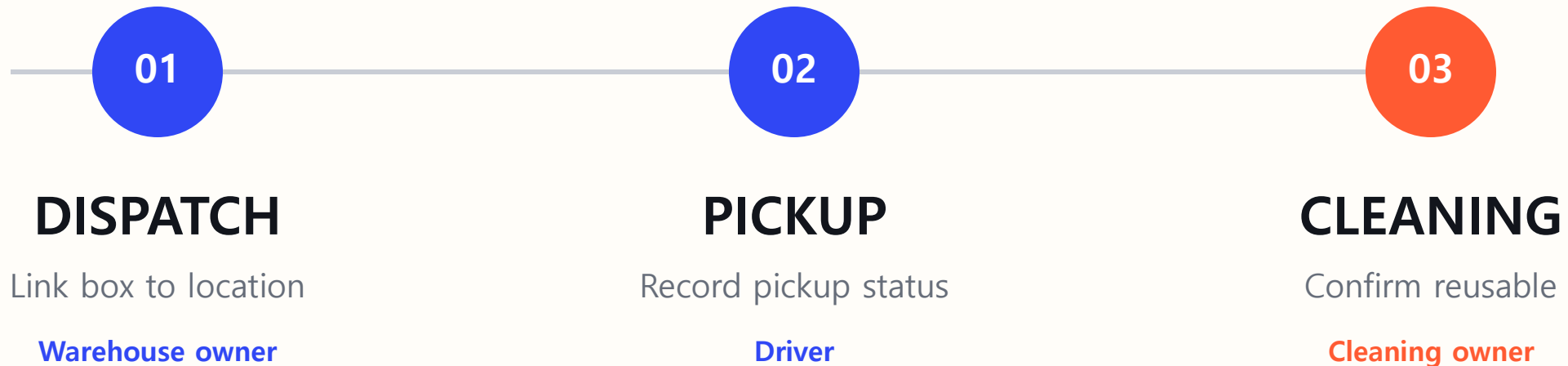
OWNER

NEXT ACTION

Managers work the overdue exception queue—not the entire box pool.

Three scans keep field work simple; managers handle exceptions only

Smartphones update status; routine cases close with no extra entry.



48H

Due date passed → Exception queue → Request pickup, reschedule or review loss

Fix scope at 300 boxes and two hubs; validate operating fit first

IN THIS PILOT

QR setup & registration
Mobile scans & status dashboard
Overdue alerts & two trainings
Weekly operating reviews

AFTER THE SCALE DECISION

ERP integration & RFID
Network rollout & loss reimbursement
Personal-data migration & devices
Travel & scale-up development

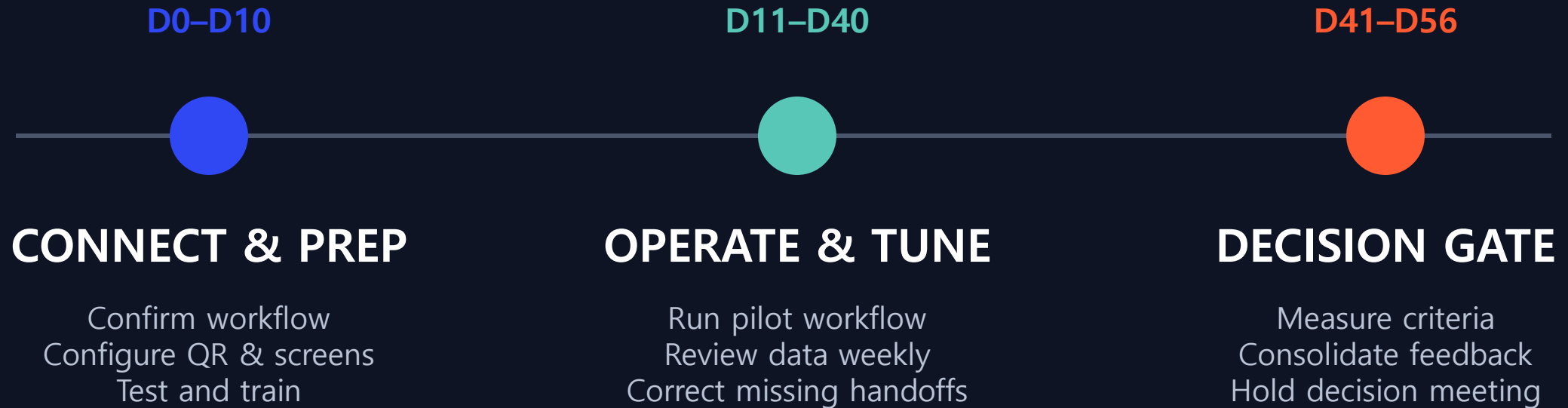
THREE DELIVERABLES

Operating guide

Baseline & pilot report

Expansion decision memo

Field-ready by D+10; decide expand, retest or close at D+56



D+10 ready / D+11 operations start / D+56 decision

KRW 18.6M covers design, configuration, operations and measurement

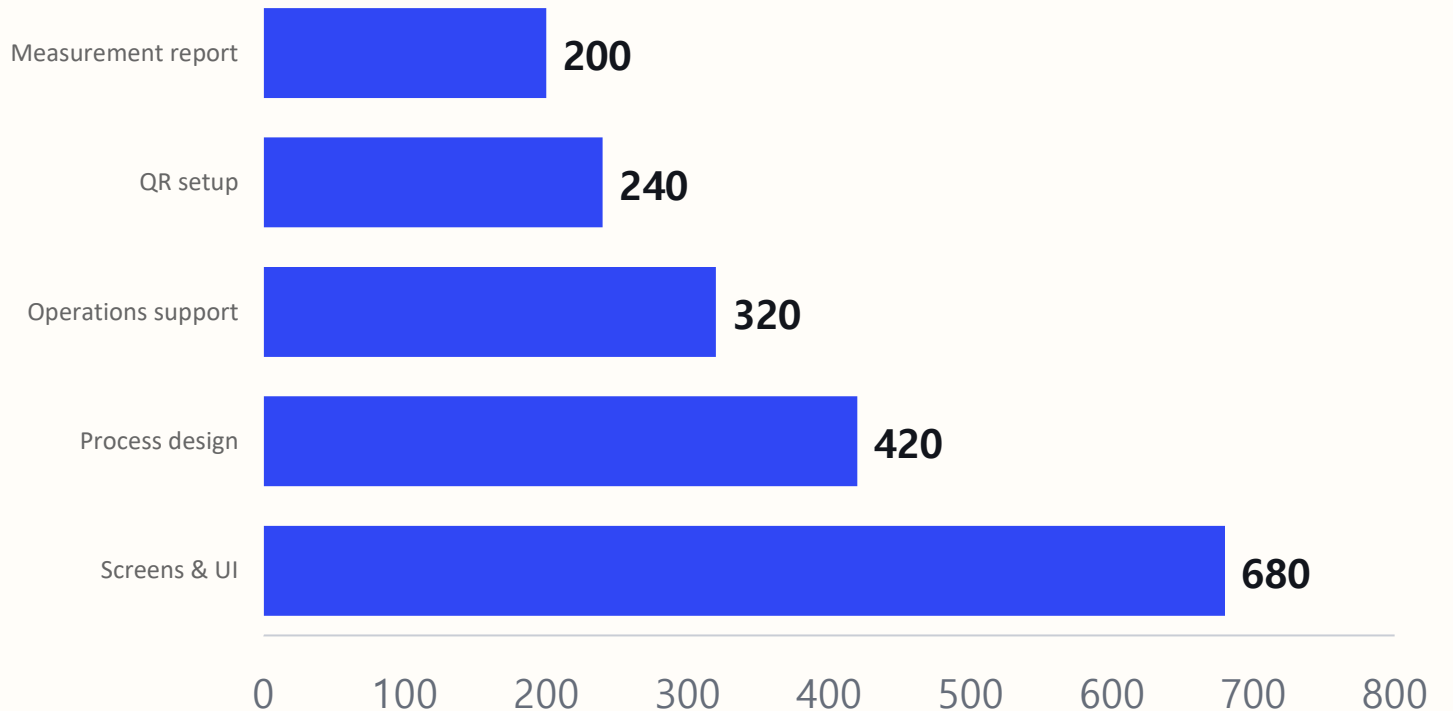
1,860

KRW 10K

VAT excluded · Fictional estimate

SCALE-UP IS SEPARATE

ERP, hardware and rollout follow the D+56 decision



Agree on stop rules before the pilot starts

RISK	EARLY SIGNAL	RESPONSE	STOP / HOLD
Scan compliance	<80% for 2 weeks	Simplify inputs + retrain	Stop if <70% persists
Label damage	>5% in one week	Change label or placement	Flag that period
Low participation	<8 of 12 by Week 2	Reconfirm sites	Hold expansion review
Data-access delay	No approval by D+5	Use non-PII CSV	Replan or close

80%, 70%, 5%, 8/12 and D+5 are fictional guardrails—not observed failure rates.

Expansion requires the location gate and at least 3 of 4 criteria

UNLOCATED-BOX RATE

Fictional baseline · 14%

Target · $\leq 5\%$

REQUIRED

MONTHLY RECONCILIATION

Fictional baseline · 38h

Target · $\leq 16h$

OPTIONAL

REQUIRED SCAN COMPLIANCE

Baseline · Not measured

Target · $\geq 90\%$

OPTIONAL

ON-TIME STATUS UPDATES

Baseline · Not measured

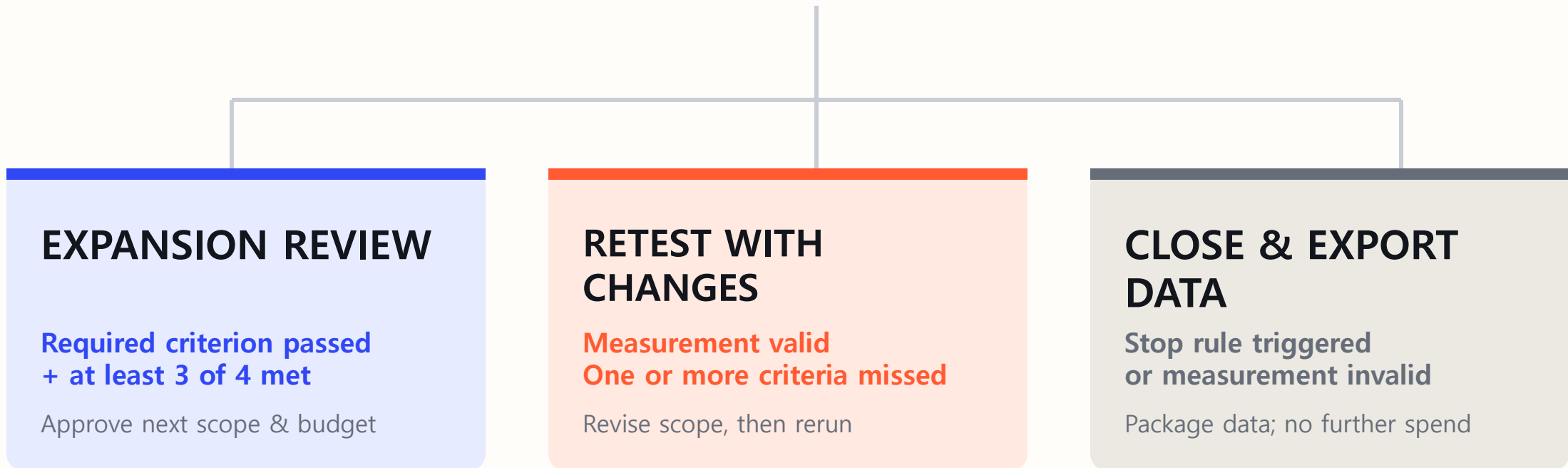
Target · $\geq 85\%$

OPTIONAL

Pass the location gate + meet at least 3 of 4 criteria → Begin an expansion review

At D+56, choose expand, retest or close

Confirm threshold performance and measurement validity before committing more capital.



Authorize Budget, Ownership and Data

01 Approve fictional KRW 18.6M budget

02 Appoint one internal owner

03 Provide box and location master data

AUTHORIZATION

☐ APPROVED

☐ CONDITIONALLY
APPROVED

☐ ~~DEFERRED~~

Conditions or reason

Kick off on D+3