

MERIDIAN PRECISION COMPONENTS SDN. BHD.

Process Maps

Current and proposed workflows: procure-to-pay, inventory, order-to-plan

Prepared for: Board of Directors and CEO

Engagement: Technology Strategy, Operations Transformation and Financial Advisory (8 weeks)

Evaluation horizon: 2027-2031 | **Transformation horizon:** 12 months

Document: Process Maps

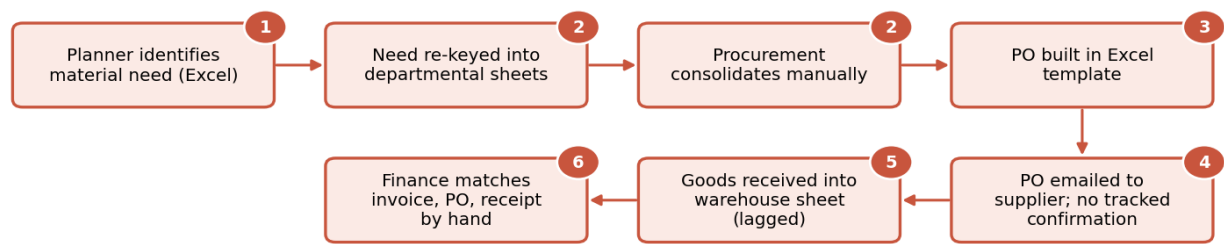
Simulated client engagement. All company figures are synthetic case data; vendor figures are preliminary estimates, not quotations. Analyst assumptions are labelled as such and listed in the appendix and in the Excel model.

Process maps: current and future state

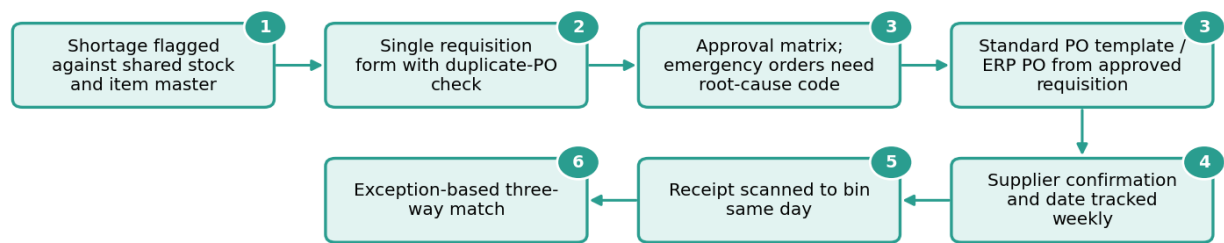
Each map shows the current flow with numbered pain points (red) and the future flow with the matching improvement (teal). Phase 1 delivers controls on spreadsheets; Phase 2 embeds them in the ERP where Gate 1 is passed.

Process map 1: Procure-to-pay

CURRENT STATE (spreadsheets, email, manual re-keying)



FUTURE STATE (Phase 1 controls first; Phase 2 ERP where gated)



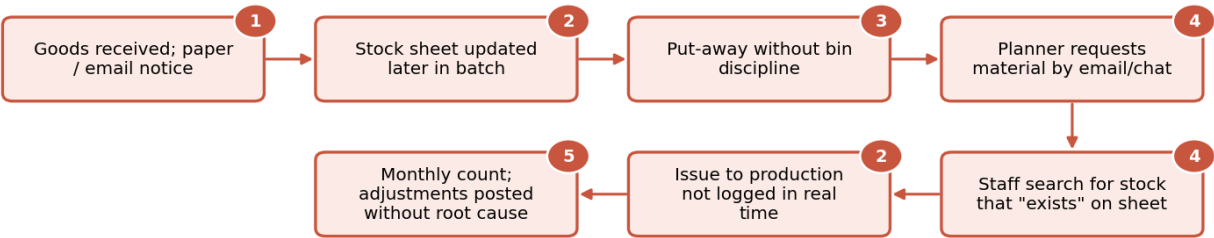
Pain points: (1) No visibility of stock held elsewhere (86% accuracy) (2) Duplicate and re-keyed requests (2.8% duplicate POs) (3) 42 min per PO; 14% need correction (4) No supplier confirmation tracking; 11% emergency orders (5) Receipts booked late (6) Manual matching (finance rework)

Improvements: (1) Shared item master and stock view (2) One requisition entry with duplicate check (3) Approval matrix, fewer errors and re-work (4) Supplier dates tracked; early warning (5) Same-day receipt, real-time stock (6) Review exceptions only

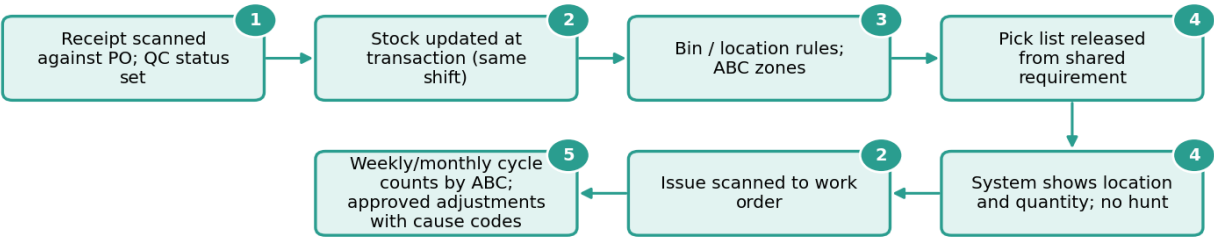
Map 1. Procure-to-pay

Process map 2: Inventory and warehouse control

CURRENT STATE (spreadsheets, email, manual re-keying)



FUTURE STATE (Phase 1 controls first; Phase 2 ERP where gated)



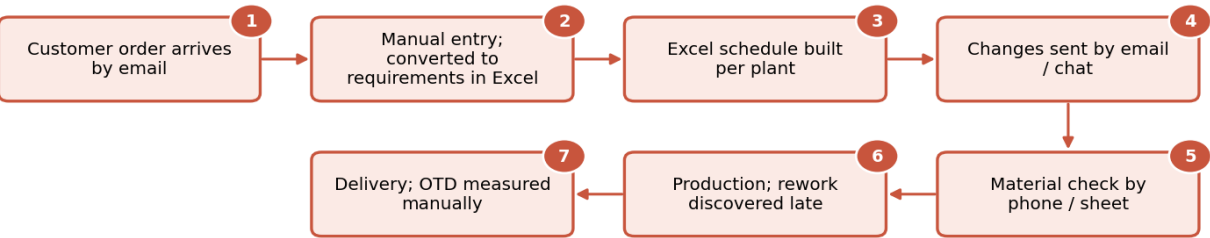
Pain points: (1) Late receipt information (2) Records lag physical stock (Plant A 88%, Plant B 83%) (3) No location control (4) Planners cannot trust stock; emergency buying (5) Monthly count too slow to detect errors

Improvements: (1) Same-day receipt (2) Transaction-time updates (3) Findable stock (4) Trust restored; fewer emergency POs (5) Errors found in days not months

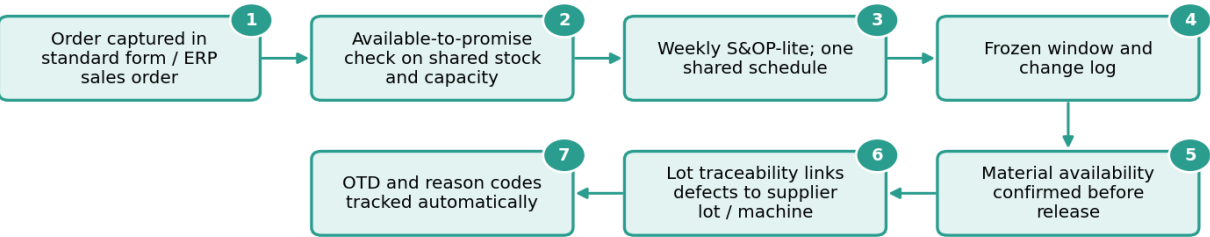
Map 2. Inventory and warehouse control

Process map 3: Order-to-plan-to-deliver

CURRENT STATE (spreadsheets, email, manual re-keying)



FUTURE STATE (Phase 1 controls first; Phase 2 ERP where gated)



Pain points: (1) Orders re-keyed (2) Promise dates ignore stock and capacity (3) Two schedules, no shared truth (82% adherence) (4) Uncontrolled changes drive overtime (5) Shortages found at the machine (6) Rework 4.6%: causes are calibration, materials, skills (7) OTD 87% with no root-cause data

Improvements: (1) Single order record (2) Realistic promise dates (3) One schedule, one owner (4) Stability inside freeze window (5) Fewer line stoppages (6) Targeted quality actions (outside ERP scope) (7) Actionable delivery data

Map 3. Order-to-plan-to-deliver