

ROBERT M. CLARK

Solutions Architect · AI-Augmented Operations · Business Systems Builder

robertmclark.dev/company/affinda.html

Warrnambool VIC · robert@robertmclark.dev · 0447 515 074 · AEST · remote since 2019

PROFILE

Twenty-seven years solving operational business problems by designing and building the systems that close them — across supply chain, planning, BI, automation, and AI-augmented integration. Three centralised enterprise-scale builds across three industries: a six-ERP planning engine at Pacific Brands Workwear Group at group level with mandatory CEO sign-off governance (2011–13), Microsoft Dynamics AX inventory planning at Australian Defence Apparel under regulated and audited conditions (2013–16), and a seven-layer Power BI and SAP architecture (the DOT — Demand & Operations Toolkit) at Saputo Dairy Australia (2016–25).

The Saputo DOT was a solo nine-year design and build with Anthropic's Claude as engineering partner from 2024 on the later layers, executed on personal equipment. The system was not adopted at Saputo; the AI-assisted personal-equipment build was the integrity issue I voluntarily disclosed to corporate security on exit — walked in and handed over the unmonitored global OneDrive/SharePoint access myself. The architecture is the artefact; the disclosure is on record.

Remote-primary since 2019, AEST. Open to permanent, contract, or fractional engagements where the deliverable is a working architecture, not a slide deck.

SIGNAL

- **AI-augmented build, with the integrity disclosure attached.** Later layers of the Saputo DOT (Demand & Operations Toolkit) architecture were designed and implemented with Claude as engineering partner from 2024, on personal equipment. The system was not adopted; I walked into corporate security and disclosed the unmonitored access and AI use on exit. The artefact exists; the disclosure is on record.
- **Three centralised systems, three industries.** Pacific Brands group-level VBA engine harvesting six ERPs (2011–13). Australian Defence Apparel Dynamics AX environment (2013–16). Saputo DOT architecture on SAP ECC (2016–25). Same instinct, three operating contexts.
- **Scale of business engaged.** Group-level role at Pacific Brands across VIC/NSW with NZ expansion, S&OP governance with mandatory CEO sign-off. Defence-supply regulated conditions at ADA. Senior IC across the national Saputo operation, 2016–2025.
- **Industry-agnostic by design.** FMCG, manufacturing, defence supply, retail, distribution, mining. The architecture pattern transfers; the domain learns fast.

EXPERIENCE

Demand & Capacity Planner — Saputo Dairy Australia — 2016 – 2025 · Allansford VIC
(remote since 2019)

- Operational demand and capacity planning role on SAP ECC across the Australian dairy network.
- Designed and built solo the DOT (Demand & Operations Toolkit) — a seven-layer planning architecture covering 970+ materials and 14 manufacturing sites. Built on personal equipment over nine years; later architectural layers were built with Anthropic's Claude as engineering partner from 2024.
- Architectural artefacts: 231 Power BI visuals, 155 DAX measures, complete VBA + Power Query/M-code automation engine. Developed the KIM Pegging Engine for automated material allocation. Integrated SAP ECC/APO data through custom ETL pipelines.
- The DOT system was not adopted at Saputo. The AI-assisted personal-equipment build was the integrity issue I voluntarily disclosed to corporate security on exit — walked in and handed over the unmonitored global OneDrive/SharePoint access myself. Was not caught.
- Exit narrative: integrity, not incompetence. The build is real; the disclosure was mine.

Planning & Inventory Manager — Australian Defence Apparel (ADA) — 2013 - 2016 · Coburg VIC

- Managed planning and inventory operations on Microsoft Dynamics AX in a defence manufacturing environment.
- Responsible for military-grade bills of material and high-value defence inventory where compliance standards and material precision are non-negotiable.
- Direct hands-on experience with the AX platform, its capabilities, limitations, and data structures — useful background for any AX or D365 engagement.

S&OP / Supply Chain Consulting — RSEA / PSW / ARB / Petstock — 2013 - 2016 · multi-client

- Delivered S&OP frameworks and planning process design across four mid-market businesses.
- Each engagement produced operational tooling and governance structures that remained in use beyond the consulting period.

Group Demand Planning Manager — Pacific Brands Workwear Group — 2011 - 2013 · Melbourne VIC / multi-site

- Group-level appointment, three management tiers above current operating level.
- Built a centralised VBA planning engine harvesting six divisional ERPs across seven brands. Auto-generated supplier orders, branded divisional dashboards, S&OP decks for divisional CEOs with mandatory sign-off governance.
- Led multi-site planning team across VIC and NSW; framework extended to New Zealand operations.
- Crown jewel build. The precursor and pattern source for the DOT architecture fifteen years later.

Demand Planner / Process Manager — Pacific Brands NNT / Dowd — 2008 - 2011

- Delivered \$15M stock reduction through systematic demand planning process improvement.
- Developed planning tools and reporting frameworks that formed the foundation for the subsequent Group-level appointment.

Customer Service → Demand Planner → OTC Procurement — Sigma Pharmaceuticals / API — 1999 - 2008

- Nine-year progression from customer service through national demand planning into OTC procurement management.
- Managed replenishment across 15 warehouses nationally. Developed early planning tools and operational reporting frameworks.

Earlier roles — Sales & Administration — 1989 - 1999 · Sydney & Wollongong

- A decade across sales and administration roles — the operational base on which the planning and systems-build career was built.

INDEPENDENT BUILD ARTEFACTS

- **robertmclark.dev**. Personal site. Domain registration to live, multi-vehicle CV with interactive resume, PDF, DOCX, and company-specific dashboards — built end-to-end in a single working session in April 2026.
- **AI productivity ecosystem**. 70+ custom skills encoding reusable best practices across research, build, QA, and project delivery. Versioned, indexed, applied across active workstreams.

TOOLS & TECH

Planning & ERP: SAP ECC · Microsoft Dynamics AX · multi-ERP integration (6+ harvested into a single planning engine)

BI & data: Power BI · Power Query (M) · DAX (155 measures across the Saputo DOT architecture) · Power BI Service · VBA · Excel orchestration

Build & web: HTML / CSS / vanilla JS · Chart.js · Cloudflare Workers / Pages · Wrangler CLI · Git fundamentals

AI-augmented: Claude as engineering partner since 2024 · prompt architecture · versioned skill files · reproducible AI-assisted methodology

Method: S&OP governance · centralised systems architecture · master data discipline · CEO-grade reporting

INDUSTRIES

FMCG · Manufacturing · Mining & Resources · Defence Supply · National Retail · Distribution & Logistics · Pharmaceuticals · Apparel