



DATA ARCHOS

Enterprise Retail Intelligence Platform

From reactive reporting to real-time retail intelligence.

The platform that surfaces what matters before your team logs in — automated ingestion, proactive AI intelligence, demand forecasting, and one-tap action across every store in your estate.

11

Pipeline stages

< 2 hr

Live from first file

Zero

Manual processing

One tap

From insight to action

THE PROBLEM

Why retail analytics keeps failing operations teams

4–8%

Annual revenue at risk — from avoidable stockouts and misallocated inventory across the estate

3–5 days

Average data age when most retail chains make their operational decisions

72 hrs

The visibility gap between a stockout forming on shelf and a report showing it

① The Data Chaos

Every week: files manually pulled from POS portals, normalised in spreadsheets, deduplicated by hand, reconciled across formats. By the time the data is clean, the window to act has already closed.

② The Insight Gap

Dashboards and BI tools report what happened — after it happened. A shelf went empty on Tuesday. The report shows a revenue dip on Friday. The margin erosion that started three months ago appears in a quarterly review. Reactive by design.

③ The Action Delay

An exception surfaces in a report. It gets forwarded. Someone logs in to investigate. A decision is delayed. A task is created in a separate system. In retail, every hour between a problem forming and a person acting is revenue left on the shelf.

The problem is not a lack of data. It is a platform that tells you what happened instead of what to do.

WHO WE BUILT THIS FOR

Purpose-built for 100–500 location retail chains



Grocery



Convenience



Pharmacy



Specialty Food



Fashion



Home & Hardware



COO / VP Operations

"I need to know which stores need my attention today — before I walk into my first meeting."

Today: a weekly report, built manually, showing last week. **With Data Archos:** a ranked exception briefing, in your WhatsApp, every morning at 8am.



CCO / VP Merchandising

"I want to walk into every buyer meeting knowing more about their category than they do."

Today: historical sales exports and gut feel. **With Data Archos:** live SKU velocity, demand forecasts, and benchmark comparisons against comparable chains — before the conversation starts.



Head of Retail Technology

"I need a platform that connects to our POS and delivers value without a six-month implementation project."

Today: months of integration, a data team, SQL skills required. **With Data Archos:** live from first file in under 2 hours. No engineering project. No data team needed.

THE SOLUTION

Intelligence infrastructure — not another dashboard

Data Archos is an end-to-end retail intelligence platform. Every transaction from every store — ingested automatically, validated continuously, analysed proactively, and actioned in one tap.

01 INGEST

Automated · Validated · Zero manual work

Connect once. Every POS format pulled, validated through 11 stages, quality-scored, and loaded. Most tenants are live within 2 hours of their first file.

GoFrugal · Shopify · Square · Toast · Lightspeed · NCR
· EDI · CSV · API

02 UNDERSTAND

Proactive · AI-driven · Before you ask

The Intelligence Engine scans every ingestion cycle for anomalies, root causes, and opportunities — ranked by revenue impact. Findings surface before anyone opens a dashboard. The Demand Forecast Engine models forward demand per SKU, per store — enriched with weather, local events, and supply signals.

03 ACT

Closed loop · One tap · WhatsApp-native

Every insight connects to an action. Approve a PO from a WhatsApp notification. Push a price change to 40 stores. Assign an exception to a regional manager. Tracked to resolution, inside the platform. The loop closes — no separate system required.

- 11-stage validated ingestion — live
- Proactive AI intelligence engine — rolling out to Design Partners
- Demand Forecast Engine — in active development with Design Partners
- WhatsApp morning briefing — live
- Closed-loop workflow execution — live
- Live in under 2 hours — live

PLATFORM CAPABILITIES

Seven capabilities. One connected intelligence platform.

From the infrastructure that gets data in, to the intelligence that tells you what to do next.



• LIVE

Automated Ingestion Pipeline

11-stage validation across every source and format. Schema drift detection, quality scoring, full audit trail. GoFrugal, Shopify, Square, NCR, EDI, CSV, API. Zero manual processing.



• DESIGN PARTNER ACCESS

Proactive Intelligence Engine

Descriptive → Diagnostic → Predictive → Prescriptive — in one automated loop after every cycle. Anomalies ranked by revenue impact. Root cause attributed. Recommendation surfaced. Before anyone asks.



• DESIGN PARTNER ACCESS

Demand Forecast Engine

Per-SKU, per-store demand modelling enriched with weather signals, local events, promotional calendars, and supplier lead times. PO auto-drafted when stockout risk is detected. Rolling 4-week horizon.



• LIVE

QueryForge — AI Analytics

Ask any business question in plain English. QueryForge translates intent into a structured query against your live tenant data and returns a grounded, sourced, explainable answer. No SQL. No analyst. No hallucination.



• LIVE

WhatsApp Intelligence Briefing

Ranked exceptions and demand signals delivered to leadership phones at 8am — before the first meeting. Value without login. The platform comes to your team, not the other way around.



• LIVE

Closed-Loop Workflow Execution

From insight to action inside the platform. Approve POs. Push price changes. Assign tasks to store managers. Every action tracked to resolution. Switching cost built in from day one.



• LIVE

Multi-Tenant DB-Layer Architecture

Enterprise-grade data isolation at the database layer — not the application layer. Every tenant's data is architecturally separated. The security and compliance infrastructure enterprise buyers require.

DEMAND FORECAST ENGINE

Demand Forecast Engine: Know what your stores will need — before they run out.

Per-SKU, per-store forward modelling. Enriched with real-world signals. PO auto-drafted on risk.

SIGNAL INPUTS

Transaction history — SKU velocity by store by week

Weather signals — per store postcode, 10-day forward

Calendar events — public holidays, school terms, local fixtures

Footfall signals — local events, concerts, sporting events

Promotional calendar — your planned activity integrated

Supplier lead times — integrated per SKU per supplier

Price elasticity — modelled from historical transaction data

4-week rolling forecast horizon · per SKU · per store · updated every cycle

OUTPUT FLOW

4-week rolling demand forecast per SKU per store

Stockout risk score — 7-day advance warning

PO auto-drafted — quantity, timing, supplier

One-tap WhatsApp approval — no system login required

Explainable by default — every forecast shows its source signals

"Stop reacting to stockouts that could have been prevented 72 hours earlier."

Demand Forecast Engine is in active development and available to Design Partners from Q3 2026.

QueryForge: Ask anything. Get a grounded answer. No SQL. No analyst.

HOW IT WORKS

- 1 Plain English question**
any business question, typed naturally
 - 2 Intent classification**
AI classifies the query type and dimensions
 - 3 Query generation**
structured query built against your live tenant data
 - 4 Grounded answer**
sourced, traceable, explainable — never hallucinated
- **No hallucination** — every answer is grounded in your live transaction data
 - **Forecast-aware** — ask about historical performance and forward demand together
 - **Explainable** — every answer shows which stores, which dates, which signals

"Which stores had the sharpest revenue decline last week versus their 4-week average?"

6 stores underperformed their 4-week average by more than 15%. Manchester Arndale (-28%), Cardiff Bay (-24%), Bristol Cabot (-19%) are the three largest gaps. Likely driver: reduced Saturday footfall across all three — consistent with weather data for that region.
Chain-wide · 340 stores · Updated 4 min ago

"Which SKUs in the Chilled category are most at risk of stockout this weekend?"

8 SKUs across 14 stores show stockout risk for Saturday–Sunday based on current velocity and stock levels. Top risk: Free Range Eggs (12 stores), Fresh Pasta (9 stores), Meal Deal Sandwiches (8 stores).
Auto-reorder recommendations queued for manager approval.
Demand Forecast Engine · Live stock + velocity data

"Where is our basket size below the chain average by the widest margin?"

12 stores show basket size more than 18% below chain average. Strongest signal: convenience format stores in transport hub locations. Category mix analysis suggests snacking and meal deal SKU availability is the primary driver.
Transaction intelligence · 90-day window

CROSS-CHAIN BENCHMARK INTELLIGENCE

Cross-Chain Benchmark Intelligence: See how you rank — and what closing the gap is worth.

Anonymised, opt-in performance benchmarking across the Data Archos retailer network. On the 2026 roadmap.

WHAT IT WILL SHOW

Category-level performance ranking

Your margin, velocity, and on-shelf availability benchmarked against comparable chains — matched by format, location type, and store count.

Gap-to-quartile analysis

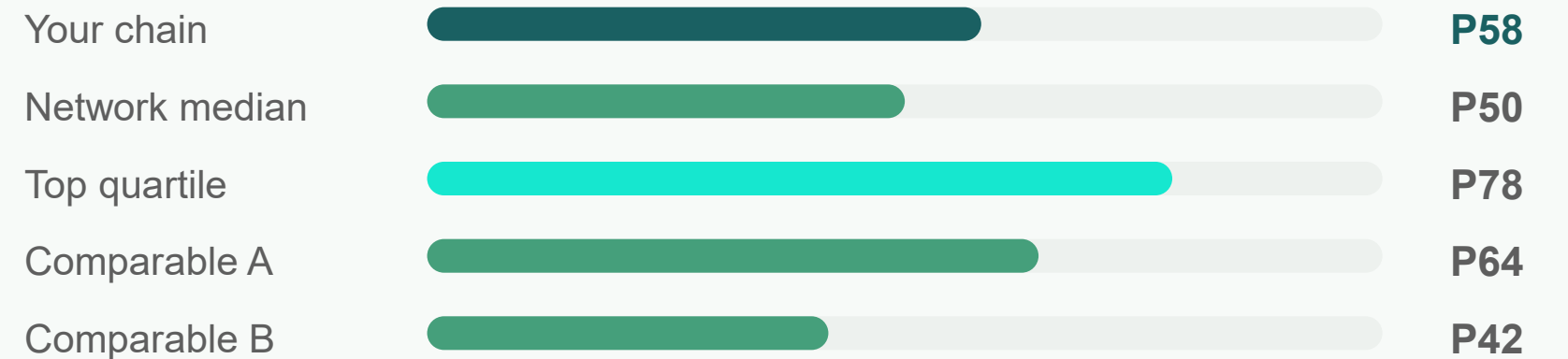
Every underperforming category shown with the estimated monthly revenue impact of closing the gap to the median. And to the top quartile.

Trend benchmarking

Not just where you are — whether you are closing the gap or falling further behind. Updated every cycle.

Category benchmark — Chilled

ILLUSTRATIVE



Illustrative example of category-level benchmark output. Available to Design Partners in 2026.

ROADMAP 2026

Cross-Chain Benchmark Intelligence is on the Data Archos 2026 product roadmap. The multi-tenant architecture is already in place — benchmark aggregation is being built as the tenant network grows. Design Partners will be the first to access it.

VALUE PROPOSITION — RETAILERS

What changes when your estate runs on Data Archos.

Quantifiable impact across every layer of the organisation — from the boardroom to the store floor.

4–8%

Revenue recovered from stockout and misallocation

< 2 hr

From first data file to live intelligence

Zero

Manual processing across the pipeline

11

Validation stages per ingestion cycle

One tap

From insight to action



Chain Leadership — *The morning briefing you've always wanted*

Every exception in your estate, ranked by revenue impact, on your phone before your first meeting. Demand signals for the next 4 weeks. No spreadsheet. No analyst request. No login required. Just intelligence, delivered.



Supply Chain Teams — *React before the shelf goes empty*

7-day advance warning of stockout risk per SKU per store. Purchase orders auto-drafted from forecast data, ready for one-tap approval. Supplier lead times integrated. For the first time, your supply chain team knows what will happen before operations feels it.



Category & Merchandising — *Walk into every buyer meeting knowing more*

Live SKU velocity, demand forecasts, and — when benchmark data becomes available — how your category performance compares to the rest of the market. Evidence-based decisions at every step. No more quarterly surprises.

VALUE PROPOSITION — SUPPLIERS

The only platform with live sell-through intelligence at store level.

Retailer-permissioned access to real performance data. Not national averages. Not quarterly reports. Live.

Store-level

Visibility — not national averages

Live

Sell-through data — not quarterly reports

4-week

Forward demand horizon per SKU

One click

Ranging proposal generation (roadmap)



Category Managers — Real-time SKU performance across connected chains

See exactly how your SKUs are performing at store level across every retailer in the Data Archos network who has granted you access. Identify velocity leaders. Spot underperformers. See which store formats drive the best results — before the quarterly review forces the conversation.



Supply Chain Teams — Reorder signals before the stockout, not after

Live sell-through data per SKU per store means you see a stock depletion event forming in real time — not three weeks later in a retailer debrief. Align your production and distribution to what is actually happening on shelf, not what happened last quarter.



Sales & Trade Teams — Evidence-based ranging proposals in minutes

Build ranging proposals and buyer presentations backed by real sell-through data, demand forecasts, and format-level performance analysis. Show the buyer exactly what the data says. Understand which formats drive the best velocity at which location types. *(AI-generated buyer deck output on the roadmap.)*

COMPETITIVE DIFFERENTIATION

Complete retail intelligence — from ingestion to action.

Built for retail chains. Not adapted from a generic BI tool.

Capability	Data Archos	Retail BI Tools	Generic Analytics	Spreadsheets
11-stage automated ingestion	✓ Live	Partial	—	—
Proactive AI anomaly detection	✓ Design Partners	Limited	—	—
Demand Forecast Engine	✓ Design Partners	—	—	—
QueryForge natural language AI	✓ Live	—	—	—
WhatsApp intelligence briefing	✓ Live	—	—	—
Closed-loop workflow execution	✓ Live	—	—	—
Supplier live sell-through visibility	✓ Live	—	—	—
Multi-tenant DB-layer isolation	✓ Live	Partial	—	—
Cross-chain benchmarking	Roadmap 2026	—	—	—
Live in < 2 hours	✓	Weeks	Months	Manual

"Design Partners" = available to founding partner organisations from Q3 2026.

DESIGN PARTNER PROGRAM

Join as a Founding Design Partner.

Five of the seven platform capabilities are live today. Two are being shaped right now — with the organisations that join this programme.

01**Full Platform Access from Day One**

Every live capability from your first day — Ingestion Engine, QueryForge, WhatsApp briefing, Workflow Execution Layer, Supplier Visibility. Plus early access to the Intelligence Engine and Demand Forecast Engine as they roll out.

02**Your Business Shapes the Product**

Direct line to the founding team. Your POS format, your operational workflow, your edge cases — on the roadmap by name. This is not a beta programme. It is a co-development relationship.

03**Founder Pricing — Locked for Life**

The rate you join at is the rate you keep. No retroactive increases. No renegotiation at renewal. Design Partners get the economics of being first — permanently.

Who this is for

Retail chains operating 50+ store locations
North America, Canada, or United Kingdom
COO, CTO, or CCO as executive sponsor
Willing to share 3–6 months of operational data and feedback

What you commit to

Structured monthly feedback with the Data Archos team
Executive sponsor available for quarterly reviews
Reference relationship (logo, case study) upon mutual agreement

- **Limited to 10 founding organisations** · connect@dataarchos.com



See what Data Archos finds in your data this week.

We will run the platform against your own POS data. No commitment. No implementation project. No sales pitch until you have seen the intelligence for yourself — in your data, from your stores.

Request a Live Demo →

we run it against your data, not a
demo dataset

Apply for Design Partner

→

10 founding slots ·
connect@dataarchos.com

Request a Technical Brief

→

architecture overview for your IT
and data teams

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