



ACVORIA

MATERIAL REQUIREMENTS PLANNING

Production planning

that never guesses.

Acvoria MRP turns demand, inventory, and capacity into one live plan — so your shop floor always knows what to build next, and your buyers always know what to order.

[Request a Demo](#)

[Talk to an Engineer](#)

Demand shifts.

Suppliers slip.

Static plans break.

A production plan built once a month is obsolete before it reaches the shop floor. Acvoria MRP treats planning as a continuous state — not a periodic exercise.



Parts ordered too late

Reactive purchasing creates constant expediting.



Capacity booked wrong

Schedules built on stale data misallocate lines.



Orders wait on one part

A single missing component stalls full shipments.

One planning engine, connected to reality.

Acvoria MRP calculates what to build, what to buy, and when — based on live demand, current inventory, bills of materials, and supplier lead times. It runs on the same data backbone as Acvoria ERP, CRM, and Warehouse, so a sales order in CRM instantly becomes a material requirement, a purchase suggestion, and a scheduled job — without anyone re-entering data.

ONE DATA BACKBONE

Every module shares live production data.

STANDALONE OR FULL STACK

Deploy MRP alone or with the full ecosystem.

ONE ACCURATE ANSWER

What do we need, and when — always current.

Everything a planner needs, in one system.

Twelve enterprise-grade capabilities that connect demand, material, and the shop floor into one continuously updated plan.



Material Requirements

Explodes BOMs against open orders and forecasts to determine exact component needs at every product level.

Eliminates manual BOM math and resulting shortages.



Demand Forecasting

Projects future demand from historical sales, seasonality, and open pipeline — refreshed continuously.

Buyers plan forward instead of reacting to backlog.



Production Scheduling

Sequences jobs by capacity, priority, and material readiness; rebalances automatically on change.

Keeps every line running against a live schedule.



BOM Management

Multi-level, versioned bills of materials with full engineering change tracking.

Removes risk of building against an outdated spec.



Inventory Optimization

Continuously adjusts reorder points and safety stock by actual consumption and lead time.

Frees working capital tied up in excess stock.



Purchase Planning

Converts net requirements into supplier-grouped purchase suggestions, ready in one click.

Cuts order lead time from days to minutes.

Enterprise-grade capabilities, continued.



Warehouse Visibility

Live stock, location, and reservation data shared directly with Acvoria Warehouse.
Plans against what is physically on hand.



Supplier Management

Tracks lead times, pricing, and on-time delivery history per supplier.
Surfaces risk before it stops production.



Cost Analysis

Rolls up material, labor, and overhead at BOM level; tracks actual vs. standard cost.
Aligns finance and operations on one number.



Real-Time Analytics

Live dashboard for capacity, turnover, order status, and material risk.
Act on this morning's numbers, not last week's.



AI Recommendations

Flags at-risk orders and suggests reorder timing before a delay becomes a shortage.
Moves planners from reactive to proactive.



Mobile Access

Live job status and material alerts from any device, on the floor or off-site.
Decisions keep moving without a desk.

Improvements you can take to the board.

Every capability in Acvoria MRP is built to move one of these numbers.



Lower inventory costs

Right-sized safety stock frees working capital.



Reduced waste

Accurate BOM data cuts over-ordering and scrap.



Fewer shortages

Continuous recalculation catches gaps early.



Higher production efficiency

Real capacity data keeps lines running.



Better on-time delivery

Reliable plans mean reliable ship dates.



Stronger margins

Lower cost, less waste compound into profit.

AI

Embedded in your operations. Always learning, always deciding.

DEMAND PREDICTION

Learns from order history to project needs before a shortage appears.

STOCK OPTIMIZATION

Recalculates reorder points continuously, not once a quarter.

SUPPLIER RISK ALERTS

Flags late-trending suppliers before delay reaches the floor.

BOTTLENECK DETECTION

Identifies work centers at risk of constraining the schedule.

PURCHASE RECOMMENDATIONS

Ranks what to buy and from whom by cost and reliability.

NATURAL LANGUAGE REPORTS

Ask direct questions, get answers grounded in live data.

The Journey of a Production Order

From request to delivery, one connected system — no handoff friction.



No step requires manual re-entry. The full order lifecycle is visible on a single timeline.

Fits inside the stack

you already run.

Acvoria MRP is built to sit inside your existing technology, not replace all of it on day one.



ERP

Native Acvoria ERP link



CRM

Order-to-plan visibility



Accounting

Cost & inventory sync



Barcode

Source-level capture



Warehouse

Real-time stock sync



IoT / Machine Data

Capacity from equipment



Power BI

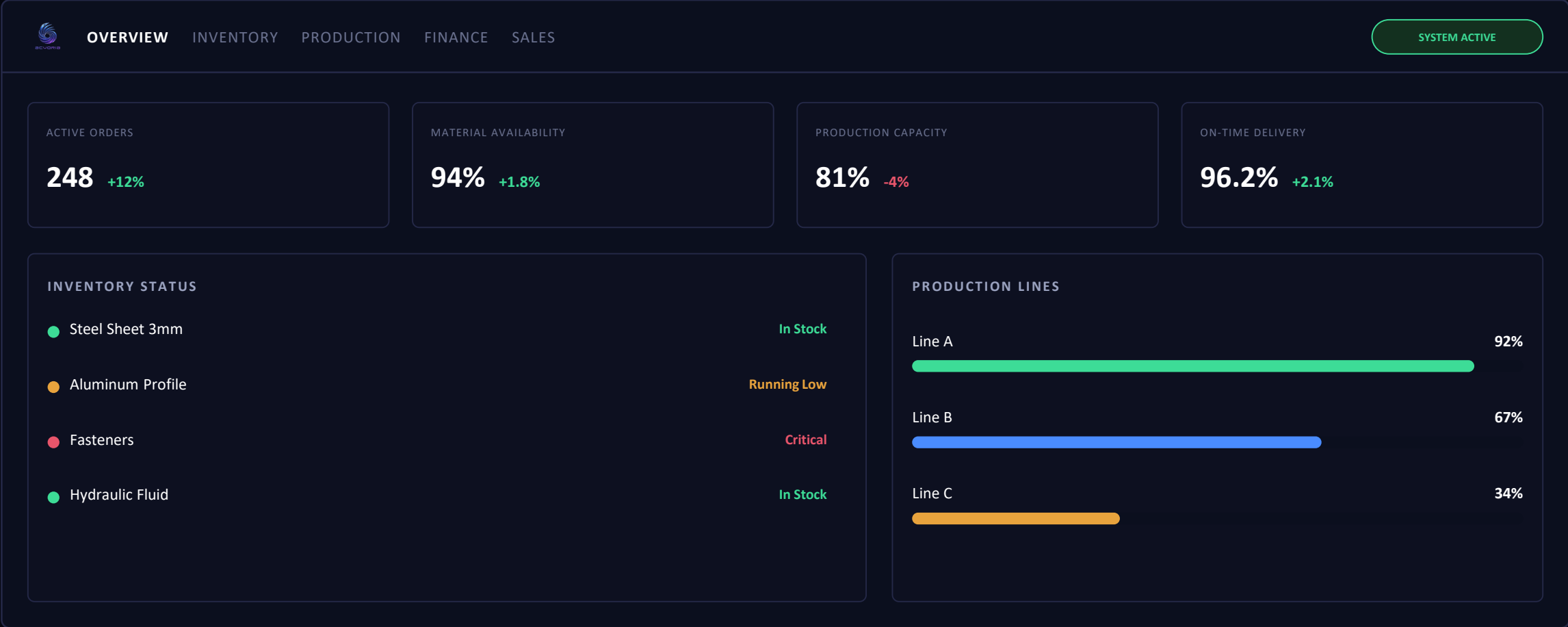
Live data export



Open API

REST for custom systems

Your entire production plan, in one view.



A process-driven partnership.

What matters isn't the day we deliver the software — it's how we work with you after.

- | | | |
|----|----------------------------|---|
| 01 | One Data Backbone | MRP shares live data with ERP and CRM by design — not another silo. |
| 02 | AI Embedded, Not Bolted On | Forecasting and risk detection run inside the planning engine itself. |
| 03 | Modular by Architecture | Deploy MRP alone, or connect the full Acvoria ecosystem as you grow. |
| 04 | Built for Real Shop Floors | Designed around manufacturing and industrial workflows, not adapted. |
-
-

Let's build the plan behind your production.

Get in touch to assess your operation and define the right architecture together.

info@acvoria.com

acvoria.com

Ankara, Turkey