

THE MARLI DIGITAL ECOSYSTEM

From request to decision. All connected.

Modular platforms to plan, execute, purchase, manufacture and analyse — bringing people, suppliers and data into one workflow.

One ecosystem. One complete view.

Explore the modules, the processes they connect and how they turn fragmented work into a traceable operation.

01	The operational challenge	03	02	Ecosystem architecture	04
	Why processes lose context, time and control.			M Request, M Suppliers, M Analytics and Production.	
03	M Request	05	04	Planning and AI	06
	Requests, tasks, time, dependencies and collaboration.			Capacity, priorities, mobile execution and assistance.	
05	Production and inventory	08	06	M Suppliers	11
	Structures, orders, materials, lots, quality and costs.			Onboarding, quotations, awards and Purchase Orders.	
07	M Analytics	13	08	Integration and security	14
	Capacity, OEE, Kanban, Gantt and KPIs.			APIs, roles, organisations and modular licensing.	
09	Implementation	15	10	Next step	16
	Use cases and phased adoption.			A demonstration built around your reality.	

When information is scattered, decisions arrive late.

Email, spreadsheets, messages and isolated applications make it difficult to understand the true state of work.

The problem is rarely a lack of work. It is the lack of a continuous line from request to execution and outcome.

Operations lose predictability when teams do not share priorities, suppliers reply outside the process and indicators only arrive after the problem.

Marli Digital creates a shared operational source without forcing organisations to adopt every module at once.

1

request brings together context, owners, files and history

360°

visibility from need to purchase, production and insight

24/7

web and mobile access for teams inside and outside operations

100%

modular: every customer activates only what they need

01 • VISIBILITY

Who owns it?

Current owner, next task, deadline and status without searching across tools.

02 • PRIORITY

What comes next?

Order by deadline, availability, urgency and manual manager emphasis.

03 • CONTEXT

Why was it decided?

Messages, files, revisions, approvals and an individual process log.

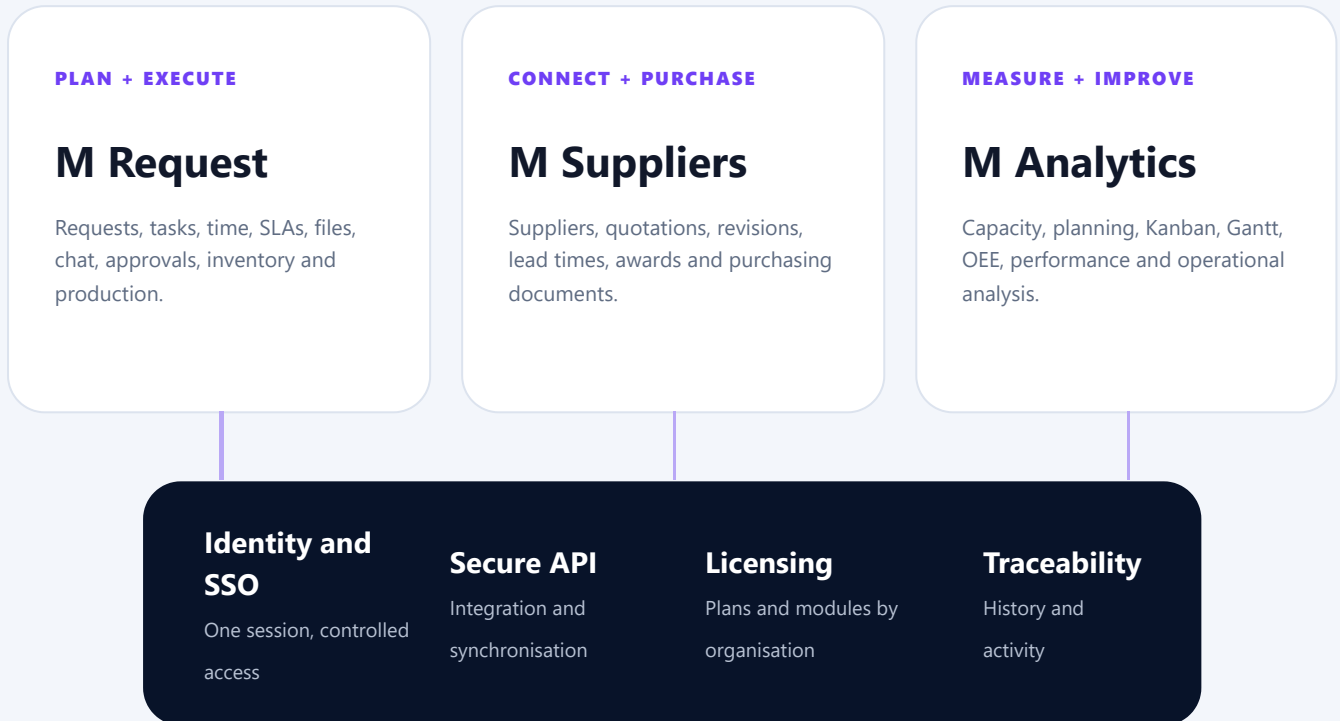
04 • IMPROVEMENT

Where do we lose?

Executed time, delays, capacity, failures and consolidated indicators.

Three platforms. One operational process.

Each module solves a specific need, while identity, permissions and context remain connected.



INFORMATION FLOWS THROUGH THE ENTIRE CYCLE



Progressive adoption: start with requests and tasks, then add suppliers, production or analytics when the process requires it.

Everything begins with a clear need and ends with a documented outcome.

The request is the centre of work.

M Request SERVICE DESK

ÁREA DE TRABALHO

- Dashboard
- M Analytics
- Artigos
- Pedidos**
- Convites fornecedores
- Encomendas fornecedores

ADMINISTRAÇÃO

- Configurações

Gestão de Pedidos

Acompanhe todos os pedidos e o seu estado em tempo real.

Total de pedidos: 128 (+18% vs mês anterior)

Em progresso: 24 (18.8% do total)

Abertos: 67 (52.3% do total)

Aprovados: 29 (22.7% do total)

Prazo a vencer: 8 (Próximos 7 dias)

Filtros: Grupo (Todos), Estado (4 selecionados), Aprovação (Todos), Título (Pesquisar pedido...), Submetido por (Nome do utilizador)

CÓDIGO	TÍTULO	GRUPO	SUBMETIDO POR	ESTADO	PRAZO	PRAZO FINAL	OPERAÇÕES	APROVAÇÃO
S10250029	Fornecimento de Material para Linha de Produção	Orçamentos	—	Em Progresso	13/08/2026	Por definir	Não aplicável	Aprovado
S10250028	Serviços de Manutenção Preventiva - Equipamentos	Manutenção	Marco Mendes	Aberto	17/08/2026	17/08/2026	Sem operações	Aprovado
S10250027	Aquisição de Software Licenciamento Anual	Tecnologia	Marco Mendes	Aberto	18/08/2026	18/08/2026	Sem operações	Aprovado
S10250026	Componentes Elétricos para Projeto Alpha	Compras	Marco Mendes	Aberto	20/08/2026	20/08/2026	Sem operações	Aprovado
S10250025	Consultoria Especializada em Logística	Serviços	Marco Mendes	Aberto	21/08/2026	21/08/2026	Sem operações	Aprovado

Mostrando 1 a 5 de 128 pedidos

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Real product view · Dashboard and operational management

01

Capture

Type, group, description, deadline, urgency, files and article.

02

Structure

Tasks, owners, estimated time and dependencies.

03

Execute

Start, pause and complete with actual time.

04

Collaborate

Chat, files, revisions and contextual decisions.

05

Close

Outcome, complete history and data for analysis.

CONFIGURABLE

Any process

IT, maintenance, purchasing, quality, production, invoicing or tailored processes.

CONTROLLED

SLA and final forecast

The contractual deadline is preserved while the final forecast reflects execution and dependencies.

TRACEABLE

Individual history

Every relevant action is recorded, including changes, messages and approvals.

Planning based on real capacity.

Dates are calculated from the request deadline, schedules, duration, dependencies and existing workload.

AUTOMATIC PLANNING

- ✓ Company calendars, shifts, breaks and daily production capacity.
- ✓ Planned start date and fixed planned deadline to measure delay.
- ✓ Dependencies between tasks, requests, purchases and production orders.
- ✓ Urgency, deadline, availability and arrival order as priority criteria.
- ✓ Starvation protection: non-urgent work is not postponed forever.
- ✓ Manual manager emphasis when operations require an exception.

TASK EXECUTION

START

In progress

Records the actual start and opens a work session.

PAUSE

Interrupted

Closes the session while preserving work completed.

FINISH

Completed

Records completion and releases downstream dependencies.

REMAINING

Remaining effort

Estimated minus executed, always visible for decisions.

Planning does not hide delays: when the SLA is no longer achievable, it preserves the original deadline and calculates a credible final forecast.

TODAY VIEW

Daily focus

Today's tasks, free capacity and quick actions without opening several screens.

CALENDAR

Future workload

Create requests directly on a day with capacity and complete tasks in one flow.

RECURRENCES

Routines

Daily, weekly, monthly or annual requests with controlled task duplication.

Technology reduces administration, while the user retains the final decision.

AI, collaboration and mobility in context.

AI ASSISTANT

From idea to plan

The user describes an objective. AI proposes a request, tasks, durations, dependencies and dates. Every plan can be reviewed before creation.

CONTEXTUAL CHAT

Useful conversations

Messages attached to the request or task, read status, notifications, author deletion and email reminders.

DOCUMENTS

Organised files

Search by name and type, author and date, browser preview, permissions and multi-selection.



Make office decisions with real-time operational information.

M REQUEST MOBILE

- ✓ View assigned requests and tasks.
- ✓ Start, pause and complete work in the field.
- ✓ Add notes, photographs and files visible on the web.
- ✓ Request chat and push notifications.
- ✓ Create requests and AI-assisted plans.
- ✓ Scan the tracking sheet QR Code.

True continuity: a note or photo created on mobile is immediately attached to the same process available on the web platform.

From demand to production order.

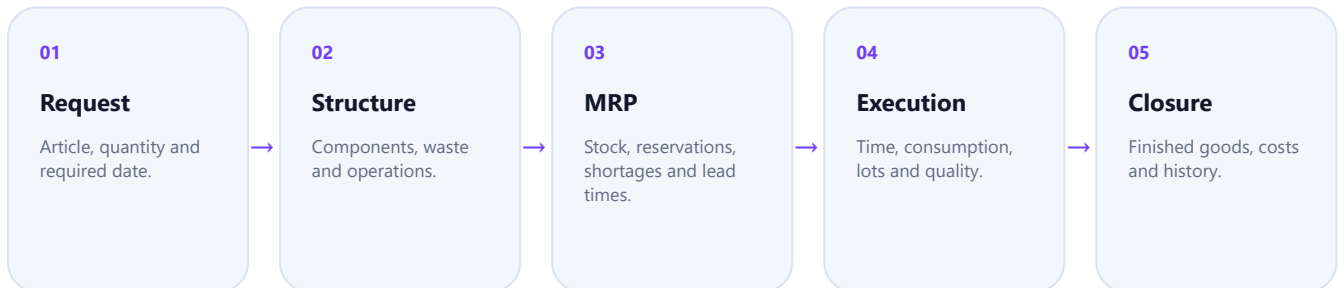


Workstation execution, QR Code identification and material traceability.

The production module reuses the request, task and capacity engine, adding materials and shop-floor execution.

PRODUCTION FLOW

- ✓ The request identifies the article and quantity to manufacture.
- ✓ The active structure is frozen on the order to preserve history.
- ✓ Requirements explode through every structure level.
- ✓ The system reserves inventory and identifies shortages.
- ✓ Missing components trigger make-or-buy decisions.
- ✓ Operations become executable employee tasks.
- ✓ Good output, rejected output and consumption are recorded proportionally.



HIERARCHY

Parent and child orders

Related numbering makes the production chain recognisable even outside the system.

PARTIAL

Produce what is possible

An order may record partial output when materials do not support full completion.

AVAILABILITY

Materials release tasks

An article-dependent task only becomes available when sufficient stock exists.

Structures, materials and projected inventory.

Knowing today's stock is not enough. Teams need to see what is reserved and what will be available.

STRUCTURES

Multi-level tree

A complete parent-child view including quantities, waste, actual requirement and consuming operation.

VERSIONS

Technical control

New versions start from the active structure, remain editable in draft and are only then activated.

WHERE-USED

Where is it used?

Find every parent article using a component and the corresponding quantity.

INVENTORY MOVEMENTS

Source	Movement	Effect
Purchase Order	Receipt	Entry with purchase lot
Production order	Output	Entry with manufacturing lot
Production order	Consumption	Reserved component issue
Inventory	Adjustment	Positive or negative correction
Quality	Rejection	Hold, loss or rework

CHRONOLOGICAL PROJECTION

CURRENT STOCK • 50

Available balance

Physical starting point, net of reservations.

OF20260001 • -10

Confirmed requirement

Projected balance: 40 units.

OF20260002 • -60

Projected shortage

Projected balance: -20 units.

PO20260001 • +100

Open receipt

Projected balance: 80 units.

Smarter purchase suggestions: the system does not buy only an isolated order shortage; it considers aggregated demand, safety stock, average stock and lead time.

Every lot, consumption and deviation should remain explainable after the order has closed.

Traceability that reaches cost and quality.

LOTS AND SERIALS

Readable operational identity

Manufacturing and purchase lots identify source, year and sequence. Serial numbers support unit traceability where required.

- LF · manufacturing lot
- LC · purchase lot
- Lot search in articles and orders

GENEALOGY

From product back to material

See which lots an order consumed, which supplier provided them and which finished products contain them.

- Source and destination
- Consumed quantities
- Dates and users

QUALITY

Good, rejected and conditional

Record accepted and rejected output, reasons, certificates, non-conformities and corrective actions.

- Control by operation
- Associated documents
- Decision history

ACTUAL COST

Material + time + deviation

Compare planned and actual cost, including additional consumption, waste, labour and approved deviations.

- Frozen estimate
- Actual execution
- Explained variance

TRACEABILITY CYCLE



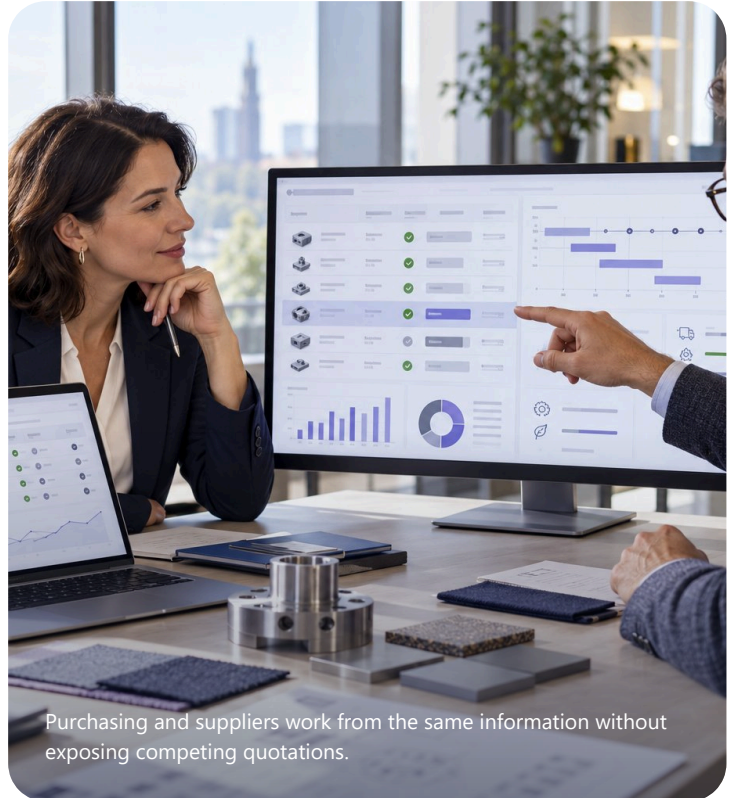
Outcome: when a non-conformity occurs, teams can locate the material source and every potentially affected product.

One portal for customers and suppliers.

Suppliers only receive their own requests and lines, while prices and messages remain private.

SUPPLIER EXPERIENCE

- ✓ Secure registration by invitation using email and tax number.
- ✓ A simplified list: code, status, deadline and response state.
- ✓ Request detail only shows articles assigned to that supplier.
- ✓ Quotation drafts and submission of selected lines.
- ✓ Price, total lead time and observations per article.
- ✓ Revisions displayed in a modern, readable history.
- ✓ Per-line outcome: won or lost.
- ✓ Award documents and Purchase Orders.



Purchasing and suppliers work from the same information without exposing competing quotations.

PRIVACY

Isolated quotations

A supplier never sees another supplier's prices, messages or assigned lines.

DEADLINE

Controlled response

Expired requests stop accepting responses and status remains synchronised.

COLLABORATION

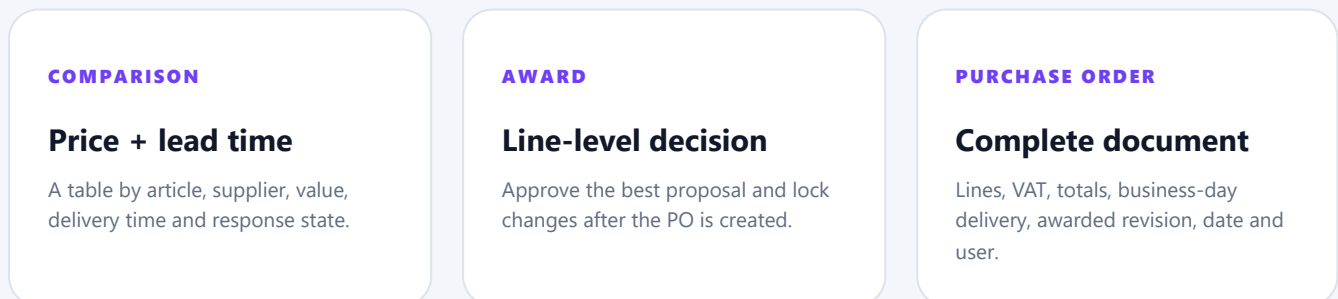
Chat and files

Messages and documents belong to the correct customer, request and supplier.

From quotation to Purchase Order.



Real product view · Quotation response and follow-up



Flexibility: a PO may include only part of the awarded lines. The remaining lines stay available for a later order.

Turn execution into decisions.



Operational dashboard with indicators and filters

CAPACITY

Workload

Group, workstation, unit and employee with progressive navigation.

FLOW

Kanban

Available, in progress and overdue work with quick execution actions.

TIME

Gantt

Planning by unit, request or owner across a moving horizon.

EFFICIENCY

OEE and KPIs

Availability, execution, failures and operational performance.

DAILY TIMELINE

A 24-hour view by workstation and employee, separating availability, executed time and failure time while respecting shifts and breaks.

CONTEXTUAL FILTERS

Search by owner, group, workstation, unit, urgency, status and availability with drill-through to the source request.

A foundation designed for multiple organisations, invited users and independent modules.

Security, integration and access control.

MULTI-TENANT

Isolated organisations

Customer-specific data, users and settings, including personal and professional profiles.

AUTHORISATION

Roles and permissions

Owner, administrator, technician, guest, supplier and module-specific access matrices.

AUDIT

Traceable activity

Request logs, subscription history, revisions and records of key decisions.

AVAILABLE AND PREPARED INTEGRATIONS

Connection	Purpose	Protection	Status
M Request ↔ M Suppliers	Invitations, requests, replies, messages, files and POs	API key, client ID and signature	Available
M Request ↔ M Analytics	SSO and request, task, time and organisation data	Credentials per application	Available
M Request Mobile	Session, tasks, chat, files, AI and notifications	Authenticated token and Firebase	Available
ERP / Primavera / Sage	Articles, inventory, purchasing, documents and movements	JSON API and project connectors	Prepared
Equipment	Times, states, counters and industrial signals	Gateway/API per equipment	Custom

MODULAR LICENSING

Personal and professional plans, active-user limits, optional Production, Suppliers and Analytics modules, campaigns and subscriptions with history.

SECURE OPERATIONS

Protected variables per environment, persistent files, webhook validation, URL control and server-side permission enforcement.

Start where value is clearest.

RECOMMENDED ROADMAP



USE CASES

INTERNAL SERVICES

IT and maintenance

Requests, SLAs, technicians, dependencies, time and communication.

PURCHASING

Procurement

Quotation, comparison, award, PO and receipt.

INDUSTRY

Production

Structures, orders, stock, lots, quality and cost.

MANAGEMENT

Performance

Capacity, Kanban, Gantt, OEE and indicators.

PERSONAL

Goals and routines

AI planning, calendar and personal tasks.

CUSTOM

Tailored processes

Customer-specific menus, integrations and workflows.

The platform adapts to the organisation. The organisation does not need to distort its process simply to fit the software.



MARLI
SOFTWARE & INVESTIMENTOS

● NEXT STEP

See your process inside the platform.

We prepare a demonstration built around a real scenario from your organisation and propose a modular implementation with clear objectives.

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