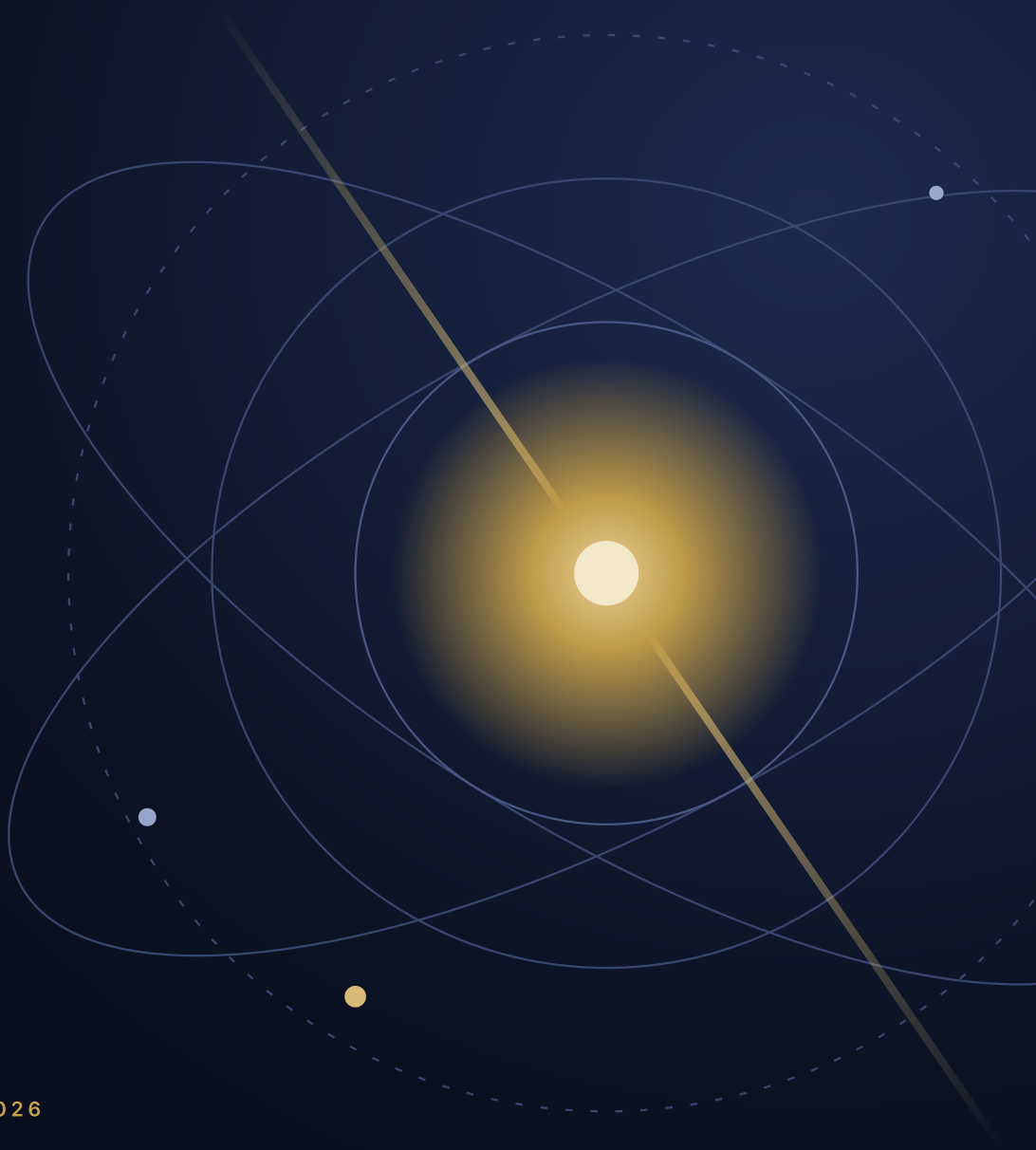
MAGNETAR AI



COMPANY BROCHURE · 2026

Engineering intelligence into every machine.

Custom AI solutions, the Qmach AI industrial intelligence platform, and autonomous robots — designed, integrated and supported by one partner from Tiruchirappalli to the world.

01
Custom AI Solutions
Built around your operations

02
Qmach AI
Find, fix and prove every loss

03
Robotic Solutions
Sourced, integrated, running

WHO WE ARE

Raw intelligence, organised into real machines.

Magnetar AI Solutions LLP pairs deep domain expertise with AI-first engineering to help businesses automate operations, gain financial clarity and scale. We build our own AI and SaaS products, deliver custom AI solutions, and supply and integrate industrial robots as a distributor and system integrator.

3
Integrated practices:
AI, software & robotics

20
Qmach AI modules
in general release

9
Robot categories,
40 kg to 2 tonnes

8
Industry verticals
served

01

Custom AI Solutions

Industrial AI, IIoT and workflow automation built for your processes — from predictive monitoring and quality intelligence to AI agents that handle documents, approvals and reporting. Scoped to your problem, not a fixed package.

02

Qmach AI

Our industrial intelligence platform for manufacturers. It values every scrap, rework and downtime loss in rupees, finds the root cause, drives the fix and proves the saving — with no machine hardware needed to start.

03

Robotic Solutions

Autonomous mobile robots, autonomous forklifts, delivery and service robots and collaborative robot arms — assessed, selected, integrated with your WMS, MES or ERP, deployed and supported under AMC.

WHY MAGNETAR

One accountable partner

Software, AI and robots from a single team, so integration gaps never fall between vendors.

WHY MAGNETAR

Measured in rupees

We frame every engagement around losses recovered and hours saved, and verify the result.

WHY MAGNETAR

India & beyond

Headquartered in Trichy, delivering across India, APAC, the UK and Europe.

01 · CUSTOM AI SOLUTIONS

AI built around the way your business actually runs.

We start with your operation, not a product catalogue. Our engineers scope the problem, build the AI, connect it to your systems and stay with you until it delivers measurable value.

Predictive monitoring | Quality intelligence | IIoT dashboards | AI agents | Document automation | Analytics & BI | AI consulting

INDUSTRIAL AI

Factories, plants & logistics hubs

Predictive monitoring, quality intelligence and operational control for production lines, logistics hubs and field operations.

IIOT AI

From sensor to decision

Sensors, machines, telemetry and edge data connected to real-time dashboards, alerts and AI-driven actions.

AI AUTOMATION

Workflows in every domain

Automate decisions, documents, approvals, reporting and customer operations — with humans approving what matters.

GCC-AS-A-SERVICE

Your capability centre in India

Build-Operate-Transfer, managed or co-managed teams in AI & data engineering, product engineering, IIoT, cloud & DevOps, QA and analytics.

INDUSTRY SOLUTIONS

Manufacturing & supply chain
Demand planning, inventory intelligence, route optimisation, production visibility.

BFSI
Risk scoring, fraud signals, compliance workflows, claims and customer intelligence.

Energy & utilities
Asset monitoring, consumption forecasting, maintenance planning, service automation.

Healthcare & life sciences
Secure applications for clinical operations, patient engagement and regulated data.

Space & quantum
Simulation, optimisation, geospatial intelligence and quantum-ready models.

Your domain
Bring us the problem; we will scope an AI solution that fits it.

HOW WE ENGAGE

01	02	03	04	05
Discover	**Scope**	**Build**	**Integrate**	**Support**
Free operational audit for qualifying businesses	Custom scope and a written proposal	AI-first engineering, iterated with your team	Connected to your ERP, MES, data and devices	24/7 operational support as you scale

02 · QMACH AI

See every loss in rupees. Find the cause. Prove the fix.

Qmach AI is an industrial intelligence platform for manufacturers. It shows how much money your plant loses on scrap, rework and downtime, finds the root cause, and proves whether the fix worked — and keeps working.

01 · CAPTURE
Log the loss
Scrap, rework, downtime and speed losses valued in ₹ — in under a minute, or by CSV.

02 · FIND
Rank the cause
AI turns defect and downtime spikes into ranked hypotheses, each traced to its records.

03 · ACT
Drive the fix
NCR, CAPA and actions in one escalating queue with clear owners.

04 · PROVE
Verify the saving
Proven savings against estimates — and alerts if a verified fix regresses.

NO HARDWARE
Start this week
Every released module works without machine connectivity. Upload past records from Excel and see losses immediately.

NUT AI
Ask your factory
Answers from your own SOPs, manuals and records — with sources. Document Review checks drawings and reports.

SECURE
Isolated by design
Data separated per company at the database level, role-based access and a full audit trail.

BUILT FOR EVERY ROLE IN THE PLANT

Owner & plant head · Quality manager · Quality engineer · Maintenance manager · Inspectors · Purchasing & stores · Executive viewer

₹15,120
Example: 36 scrapped SS316L bushes at ₹420 each, instantly costed against the part and machine.

ISO · IATF
Audit plans, checklists and findings ready for ISO 9001 and IATF 16949.

Daily
An AI-written management briefing at the start of every shift, built strictly from your figures.

MADE FOR PRODUCTION ENVIRONMENTS

See Qmach AI on your own plant data.

Book a live demo →

QMACH AI · MODULES

20 modules. Each answers one question your plant asks every week.

Every module feeds the others — from "we scrapped parts" to "here is the proof it stayed fixed."

See and cost the loss 4

Loss Control Tower — where is the money going?

Costing & COPQ — what does poor quality cost in total?

Business Impact — what have our fixes actually saved?

Operational Intelligence — what needs attention today?

Find the cause, keep it fixed 4

Investigations — why is this happening, and did the fix work?

Action & Escalation Center — what is late, and who owns it?

Factory Memory — what have we already tried?

Factory Context — what is the state of each line now?

Control quality 5

Quality Control Hub — every NCR and CAPA handled the same way

Inspection & SPC — catch drift before parts go out of tolerance

Customer Quality — complaints, returns, warranty and 8D

Supplier Quality — which suppliers cost us money?

Compliance & Audit — ready for ISO 9001 or IATF 16949?

Material and purchasing 3

Master Data — one list of parts and suppliers for everyone

Inventory — stock, lots, reorder suggestions, cycle counts

Procurement — buy right, and stop bad material at the door

Machines, tools and gauges 2

Maintenance & Reliability — breakdowns, MTBF/MTTR and PM

Tooling & Calibration — good tool on the machine, good gauge on the part

AI assistants 2

Nut AI — answers from your own SOPs and records, with sources

Document Review — checks drawings and inspection reports; a person approves

COMING NEXT

With machine connectivity: Production Planning, Work Orders, Traceability & Genealogy and Shop-Floor Execution. Nothing in today's setup needs to change for them.

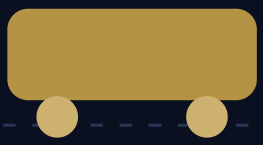
Subscription, not a project
Simple AIaaS plans with role-based logins and onboarding support to load your first data.

Customised for your plant
New modules, fields, workflows, dashboards and ERP integrations — scoped and quoted in writing.

Core logic protected
Root-cause ranking, fix verification and audit trail stay intact, so results remain trustworthy.

03 · ROBOTIC SOLUTIONS

Autonomous robots, integrated and running.



We supply autonomous mobile robots and collaborative robot arms and integrate them into your factory, warehouse, hospital or hotel. One partner from site assessment to fleet support, across India and APAC.

40 kg – 2 t
Payload range across the fleet

Laser SLAM
Navigation with no floor markers

Lifts · doors
Conveyor and WMS/MES integration

Fleet control
Scheduling and remote monitoring

80–300 kg
Delivery robots
Multi-tray and flatbed platforms moving parts, samples and material boxes from storage to point of use.

Up to 40 kg
Secure-cabin delivery
Lockable compartments for sterile supplies, documents and room service. Rides elevators and alerts the recipient.

150–600 kg
Lifting AMRs
Top-jacking robots that pick up racks, shelf units and carrier frames between buffers and lines.

150–600 kg
Under-rack AMRs
Low-profile robots that drive beneath racks and run through aisles as narrow as 70 cm.

1.5–2 t
Autonomous forklifts
Pallet, stacker and heavy-duty forklifts running dock to rack to line, stacking up to 2.5 m.

100–600 kg
Conveyor & towing AMRs
Roller-top robots that dock with conveyors and SMT lines, and tugs that pull cart trains.

Front of house
Service & hospitality
Serving robots with weight-sensing trays and ad displays that also greet and guide guests.

360° misting
Disinfection robots
Ultrasonic misting for hospitals, airports, malls and schools, scheduled from an app.

Cobots
Collaborative robot arms
Safe, flexible arms for machine tending, pick-and-place, assembly and inspection, working alongside your people.

Also available: developer chassis with open APIs and SDKs, for teams building their own robots.

DISTRIBUTOR AND INTEGRATOR

We don't just ship robots. We make them work.

Buying a robot is the easy part. We handle everything around it, so the fleet fits your processes and keeps running.

01
Site assessment
We walk your floor, map routes, aisles, doors and lifts, and measure payloads and bin sizes.

02
Selection & fleet sizing
A shortlist matched to your loads, with the fleet sized to your trips per hour.

03
System integration
Connected to WMS, MES or ERP, plus elevators, doors, call buttons and conveyors.

04
Custom software & IIoT
Dashboards, task logic and analytics built by our AI and IIoT teams for your workflow.

05
Deployment & training
Mapping, commissioning and go-live, with hands-on training for your operators.

06
Support & AMC
Remote monitoring, preventive maintenance and spares under an annual contract.

BUILT FOR THE FLOORS THAT KEEP INDUSTRY MOVING

Electronics & SMT
PCBs, components and totes between lines and stores

Automotive & EV
Line-side replenishment, rack moves, cart trains

Heavy industry
Molds, raw material and heavy pallets

Warehousing & 3PL
Under-rack moves, pallets, high-bay stacking

Pharma & healthcare
Sterile supplies, specimens, ward disinfection

Hotels & residences
Room service and amenities across floors

Restaurants
Table serving, dish return, canteen runs

Offices & malls
Document runs, guidance, large-area disinfection

BETTER TOGETHER

Robots that move material. Intelligence that proves the value.

- Qmach AI connected to your robot fleet
- Downtime, throughput and losses tracked in ₹
- Billing tailored to your plant's requirements
- One team for software, robots and support

LET'S BUILD WHAT'S NEXT

Tell us what moves, what breaks and what costs you money.

Share your challenge — a quality loss, a material flow or a process to automate. We reply within one business day with a recommendation and a demo plan.

Book a demo or site assessment →

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Karthikeyan Rajaguru
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