



— CAPABILITY BROCHURE · 2026

Enabling Industrial Intelligence.

KIREAS is an engineer-led systems integrator in Athens — control systems, industrial data platforms and analytics & AI for regulated, asset-heavy plants. From PLC to dashboard, end to end. This is who we are, what we deliver, and the stack behind it.

30+

YEARS OF PLANT-FLOOR
ENGINEERING

3

COUNTRIES — GREECE · CYPRUS ·
BULGARIA

ISO 9001

QUALITY-MANAGEMENT CERTIFIED

INDUSTRY 4.0 · OT/IT CONVERGENCE · AI ENABLEMENT

WWW.KIREAS.GR · +30 210 220 8436 · MAROUSI, ATHENS

Engineer-led, vendor-pragmatic.

The same hands that draw the P&ID write the PLC logic, scope the historian and the dashboards, and stand next to the operator at commissioning. We start with a low-risk data foundation, prove value against your own baseline, then scale — phase one becomes the platform for phase two.

Engineers first

ISA-5.1 / 18.2 · IEC 61131-3

Low-risk phased entry

OT-grade reliability

— SOLUTION PORTFOLIO

11+1 productized solutions, one shared foundation.

DATA & CONNECTIVITY

01-04

01	KIREAS Data Foundation OPC UA + HISTORIAN	Every field signal connected, historized and streamed in real time as one trusted source.
02	KIREAS Fabric OT/IT INTEGRATION	A governed data layer between plant and enterprise, exposed through one documented API.
03	KIREAS Remote+ SECURE OT ACCESS	Audited, zero-trust remote access — engineers anywhere, exposure nowhere.
04	KIREAS AI Ready AI INFRASTRUCTURE	A clean, contextualized, queryable history of the plant — the foundation AI needs first.

AUTOMATION & CONTROL

05-06

05	KIREAS Execution MANUFACTURING EXECUTION	Paperless work orders, electronic batch records and full genealogy.
06	KIREAS Smart Scheduling PRODUCTION SCHEDULING	Finite-capacity scheduling that respects real changeovers, labour and materials.

ANALYTICS & OPTIMIZATION

07-11

07	KIREAS Insight DATA VISIBILITY	Live, plant-wide visibility — production, energy and quality on one pane.
08	KIREAS Production IQ OEE & KPI	Real OEE, downtime causes and shift performance — measured at the line.
09	KIREAS Energy IQ ENERGY MONITORING	Per-machine energy use — find avoidable consumption before the bill confirms it.
10	KIREAS Predict PREDICTIVE MAINTENANCE	Anomaly detection and early-warning on critical assets.
11	KIREAS Process Optimizer PROCESS ANALYTICS	Find the setpoint band that keeps product in-spec, yield up, energy down.

KNOWLEDGE & AI

+1

12	KIREAS Digital Brain KNOWLEDGE & AI AGENTS	Tribal knowledge, drawings, manuals, logs and plant data captured into one contextual model that AI agents can search, reason over and act on.
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PARTNERS & STACK

The stack we engineer with.

Each vendor is best-in-class in its layer and the products integrate cleanly. We engineer with them – not just resell.

Velotric – Proficy INDUSTRIAL SOFTWARE • HMI/SCADA → MES

iFIX & CIMPLICITY SCADA, Historian, Operations Hub, Plant Applications (MES), CSense analytics and ROB-EX scheduling – visualization, industrial data and analytics across the plant.

Velotric – Kepware INDUSTRIAL CONNECTIVITY

KEPServerEX and ThingWorx Kepware Edge – 150+ protocol drivers bridging PLCs, devices and IT into one OPC UA / MQTT data layer.

Secomea SECURE OT REMOTE ACCESS

Zero-trust remote access and data collection purpose-built for plant networks – audited, segmented, IT-governed.

Emerson PLCs & CONTROL

PACSystems controllers and RX3i / RSTi-EP I/O for high-availability control.

Hirschmann (Belden) INDUSTRIAL NETWORKING

Industrial Ethernet switching, firewalls and redundancy – the OT backbone.

Axiomtek EDGE & INDUSTRIAL PCS

Fanless IPCs and ruggedized edge gateways that survive the plant floor for years.

INDUSTRIES

Where we work.

Regulated, asset-heavy production where uptime, quality and traceability carry real P&L weight.

Metals & Mining

Oil & Gas

Food & Beverage

Pharmaceuticals

Chemicals

Cement & Building Materials

Pulp, Paper & Packaging

Water & Wastewater

Energy & Utilities

Marine

Defence

Machine Builders

A phased path, low-risk entry.

No big-bang programme, no platform lock-in. We prove Phase 1 against your own numbers, then each phase funds the next.

01 Discovery call

Thirty minutes with an engineer — no sales hand-off. We listen for what is drifting and where the P&L is exposed.

02 Site assessment

Two engineers on-site. We walk the lines, read your historian tags, and pull a real data baseline.

03 Phased proposal

A written proposal with phased scope, milestones and a budgetary number. No vapor, no platform lock-in.

04 Pilot deployment

We deploy the chosen Phase 1 against your real baseline — engineers in the loop, not consultants.

05 Scale & operate

Phase 2 builds on Phase 1 data — predictive, analytics, multi-site. Managed service and an evolving roadmap.

Got a plant-floor problem worth talking about?

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