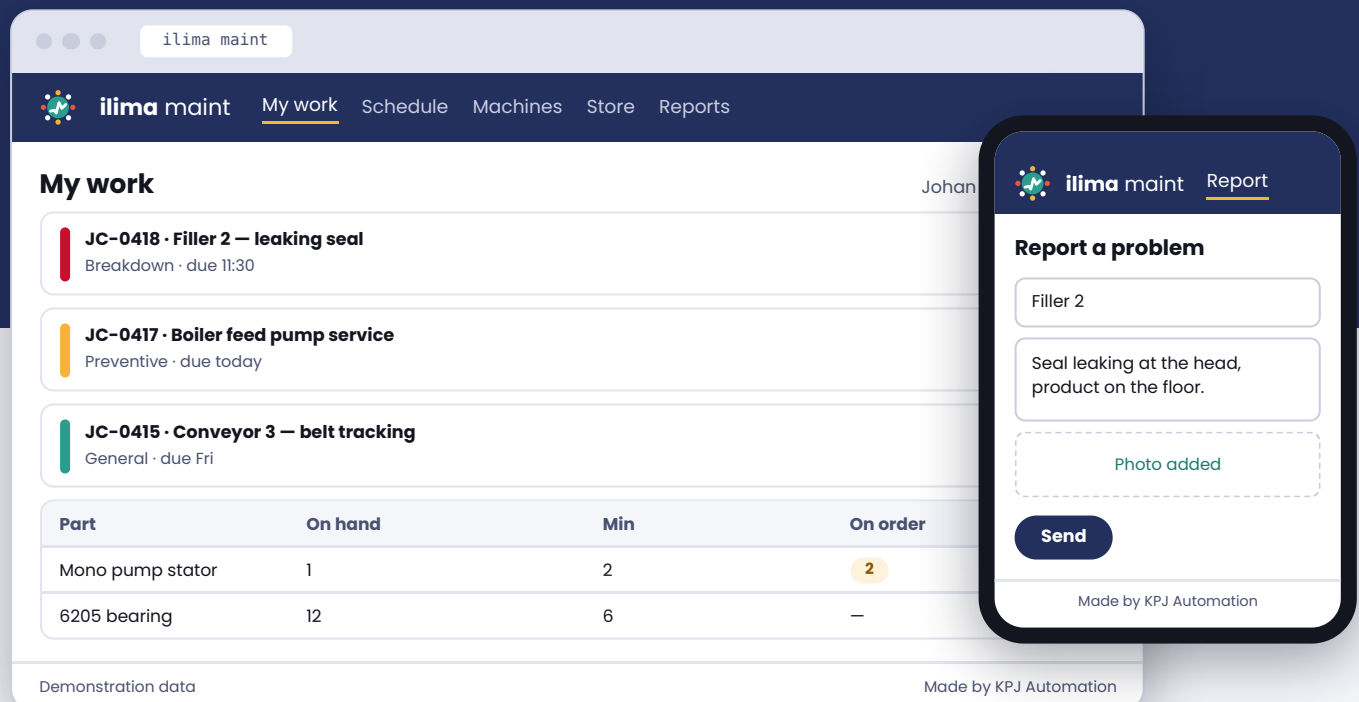


MAINTENANCE MANAGEMENT · PRODUCT INFORMATION

ilima maint

For a plant that still runs on a spreadsheet and a clipboard. Machines, job cards, spares and the people who do the work, on one system that opens on a phone at the machine.



The image shows a desktop browser window and a mobile app interface for 'ilima maint'.

Desktop Interface:

- Header: ilima maint | My work | Schedule | Machines | Store | Reports
- Section: **My work** (Johan)
- Job Cards:
 - JC-0418 · Filler 2 — leaking seal (Breakdown · due 11:30)
 - JC-0417 · Boiler feed pump service (Preventive · due today)
 - JC-0415 · Conveyor 3 — belt tracking (General · due Fri)
- Table:

Part	On hand	Min	On order
Mono pump stator	1	2	2
6205 bearing	12	6	—
- Footer: Demonstration data | Made by KPJ Automation

Mobile App Interface:

- Header: ilima maint | Report
- Section: **Report a problem**
- Form:
 - Field: Filler 2
 - Text: Seal leaking at the head, product on the floor.
 - Field: Photo added
 - Button: Send
- Footer: Made by KPJ Automation

20 s

for an operator to report a breakdown, with a photo

80

machines in the starting register, from a real plant's documents

0

monthly fees per person, and nothing in anybody's cloud

WHAT IT IS

Every machine has a file. Every job has a card.

ilima maint is a maintenance system for small and medium plants. Every machine has a file: its history, its manuals, its photos and what it has cost. Every job is a job card, raised by an operator from a phone or planned by a leader, scheduled automatically by how urgent it is, and recorded with the parts and hours it took.

The store knows what is on the shelf, what fits which machine, what to reorder and whether the supplier delivered when they promised. It runs on a PC in the plant office, not in somebody's cloud, and a technician opens it on their phone.

Built in a working cheese plant

ilima maint was built alongside the maintenance team of a dairy processor in KwaZulu-Natal — eighty machines, three technicians, and a job-card system that lived in a spreadsheet. In its first pass through their own records it found five mono pump stator replacements on the same two pumps in eight months. Nobody had added them up, because they were rows in a spreadsheet.

BENEFITS

What it does

◆ An operator reports a breakdown from their phone

A photo and a sentence, at the machine, in about twenty seconds. It lands with the leaders as a job card.

◆ The spares store cannot drift

On hand is the sum of every movement, never a number anyone types over. Parts are issued to a job, so cost lands on the machine.

◆ Shifts are in the system

Who is on duty now, who is on standby, who is next — and the crew on duty are offered the work first.

◆ Work schedules itself by urgency

A due time the moment a job is raised, from its priority and how critical the machine is. Every list is in that order.

◆ Suppliers are kept honest

The date they promised is recorded when the order goes out. Their page shows their on-time record.

◆ Contractors get their own login

Their project and its folder, and nothing else. No prices, no other firms, no other projects.

WHAT YOU GET ON DAY ONE

Installed in an afternoon

- ◆ An eighty-machine starting register, compiled from a real plant's own equipment documents
- ◆ Twenty trades built in, so a supplier is found by what they actually do — electrician, refrigeration, boilermaker, instrumentation
- ◆ Roles from operator to admin, each seeing only what they should
- ◆ Job cards for breakdowns, preventive, general and daily work, with hours, parts, photos and sign-off

- ◆ Projects with a team, a timeline, contractors and one folder for quotes, manuals and drawings
- ◆ Minimums, maximums and a reorder list grouped by who you buy from
- ◆ Reports on machines, technicians, projects and the store, exportable to CSV
- ◆ An audit trail, and uploaded files that are never left open to the network

BY WHO IS HOLDING THE PHONE

One screen each, nothing else to learn

Operator

- ◆ Types the machine, says what is wrong, adds a photo
- ◆ Sees their own calls and nothing else

Technician

- ◆ My work: their jobs, most urgent first
- ◆ Manuals one tap away; parts issued to the job; hours logged

Leader & management

- ◆ Schedule: the unassigned pile and every queue
- ◆ Reports for the Monday meeting: downtime, cost per machine, late suppliers

Being straight about what is not finished. Phone and email alerts, preventive plans that raise their own job cards, and a live link to ilima scada are on the roadmap — they are not in the version shipping today. Everything else on this sheet is, and the demo will show it.

SPECIFICATION

Technical specification

ITEM	DETAIL
Platform	Web application on one PC in the plant office
Clients	Any modern browser; phones over the factory Wi-Fi or a private network
Internet	Not needed inside the plant
Roles	Operator, contractor, technician, leader, manager, admin
Job cards	Breakdown, preventive, general, daily and project; hold with a reason; failure codes, downtime, hours, photos
Machines	Asset register with hierarchy, meters, documents and history
Store	Parts with an append-only signed stock ledger; weighted average cost; issue to a job; stocktake
Purchasing	Purchase orders and goods receipt; supplier on-time record
Reports	Machines, technicians, projects and stores, with CSV export
Data	On your own PC. Backing it up is copying one folder
Sites	One site per installation

THE ILIMA RANGE

Start with one unit. Grow the whole plant.

ilima count

Counts, rates, batches and lots on one machine

ilima gateway

Puts RS-485 PLCs and drives on the network

ilima pump

Pressure and supply control for one pump

ilima irrigate

Four zones, schedules and rain inhibit

ilima scada

The whole plant on one screen, with alarms

ilima master count

Orders, stock, recipes and lot traceability

ilima maint

Job cards, machine files, spares and shifts

by KPJ

Designed, built and supported in La Mercy, KwaZulu-Natal

WHERE IT FITS

Typical applications

Food and beverage, dairy

Packaging and plastics

Cold storage

Light manufacturing

Bottling and milling

Anywhere with lines that stop

HOW KPJ DELIVERS IT

From site walk to handover

01

Survey

We look at how jobs, machines and spares are tracked today, and what is worth bringing across.

02

Load

The machine list, manuals and suppliers loaded from the spreadsheets and folders you already have.

03

Install

Installed on a PC in the plant office, reachable on phones over your Wi-Fi.

04

Hand over

Operators, technicians and leaders shown their own screen; a written record and a first backup.

What we need from you

A PC in the plant office that stays on, and your Wi-Fi reaching the floor. The machine list, manuals and supplier details in whatever form you have them. And the maintenance manager for half a day, so the priorities and roles match how the team really works.

What has that machine cost you this year?

We will show you ilima maint running on demonstration data, and what your own machines would look like in it.

067 630 5732 · kpjmachines@gmail.com



About KPJ Automation

KPJ Automation is an independent industrial controls and automation house in La Mercy, KwaZulu-Natal, and the maker of the ilima range. Stephan Roets brings more than ten years of hands-on plant experience to every job: design, panel build, installation, commissioning and breakdown support. KPJ designs, builds and supports every ilima product itself, so the person who wrote the firmware is the person who answers the phone.

ilima is a product range made and distributed by KPJ Automation (Pty) Ltd · Reg. 2022/646768/07 · La Mercy, KwaZulu-Natal, South Africa. Interface images are representative renders of the software using demonstration data; site and tag names are illustrative. Specifications are current at 9 October 2026 and may change as the product develops. Issued for information; does not form part of a contract. Formerly sold as KPJ Maint.