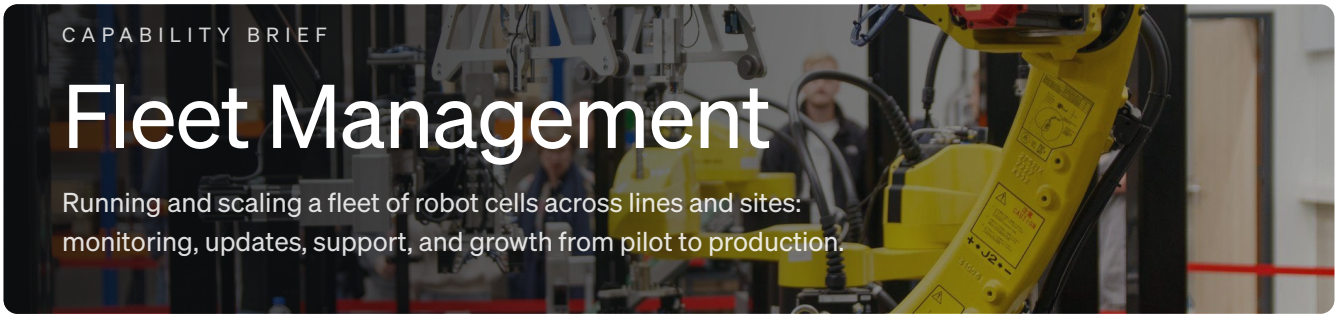

CAPABILITY BRIEF

Fleet Management

Running and scaling a fleet of robot cells across lines and sites: monitoring, updates, support, and growth from pilot to production.

One cell is a pilot. A fleet is an operation. A single workcell is easy to babysit, but the economics only work when cells multiply across lines and sites. That is where most automation programs stall: keeping many cells running, watching uptime, pushing skill updates, and answering support calls is a different job than standing up the first unit. Programs stay stuck at one.

Relling runs the fleet so you do not have to. We monitor cell health and throughput, package and deploy skill and model updates, and cover maintenance and support under one agreement. Start with a pilot, prove it, then scale to production and a fleet on the same platform. You add cells as the work pays for them, and each cell earns its keep before the next one lands.

AT A GLANCE

Footprint	~2 × 2 m
Payload	12.5 kg
Reach	1.3 m
Placement	±0.05 mm
Power	Single-phase
Install	≤ 2 weeks

01 The work we take on

THE TASK PROFILE

A

Health monitoring

Every cell reports state, throughput, and faults to one view, so problems surface before they stop a line or spread across the fleet.

B

Covered maintenance

Maintenance, software updates, and support are part of the agreement, not line items. We keep cells running; you run the floor.

C

Packaged updates

Skill and model improvements ship as reviewed, versioned packages you approve and roll out, never silent changes pushed over a telemetry link.

D

On-premise

Cells and their data stay on your floor. Monitoring and updates work within your network, on your terms, behind your firewall.

E

Pays its way

Cells reconfigure in software and earn before the next is added, so the fleet grows on returns rather than on a capital bet.

02 Why now

THE CASE FOR MOVING NOW

Scaling past one cell

A single cell proves the case; a fleet runs the floor. The gap between them is operational, not technical, and it is where programs stall. Fleet management is what turns one working cell into many.

Uptime is the return

Automation pays only while it runs. Health monitoring, OEE tracking, preventive maintenance, and on-call support exist to keep cells producing, because every hour down is return you planned for and did not get.

One cost, many cells

Maintenance, updates, and support under one covered agreement make the total cost of a fleet predictable. You scale across lines and sites without standing up a separate automation team for each new cell.

OEMS WE WORK WITH

BECKHOFF · Rockwell Automation · SIEMENS · FANUC · KUKA · ABB · YASKAWA

03 What the service covers

TASKS ON THE LINE

A — Fleet dashboard
Live health, status, and throughput for every cell across all lines and sites.

B — OEE & uptime
Track availability, performance, and quality per cell against production targets.

C — Skill updates
Package, version, and deploy new and improved skills to selected cells on approval.

D — Model rollout
Push reviewed perception and policy models in stages, with rollback if needed.

E — Remote support
Diagnose and resolve issues remotely, with on-call escalation when a cell is down.

F — Preventive maintenance
Scheduled service and wear-part replacement before failures interrupt the line.

G — Spares & consumables
Track grippers, tooling, and consumables; restock before a shortage stops a cell.

H — Multi-site rollout
Replicate proven cell configurations across plants with consistent setup and support.

WHAT A CELL HOLDS

≤ 2 wk	±0.05 mm	100%
Install to running on your floor, not months of integration	In-hand placement for fit- and safety-critical parts	Inspection on every part — checked, not sampled

Representative configuration. Final specs are issued with the proposal.

04 Working with us

FROM YOUR PART TO A QUALIFIED CELL, IN ~TWO WEEKS ON-SITE

A · SCOPE & PO

We start with your part

We work from your part, volumes, takt, and the line you'd deploy on. A short scoping engagement confirms fit, defines acceptance criteria, and puts a fixed scope and price in writing — capital purchase and robotics-as-a-service, side by side.

B · PRE-BUILD AT RELLING HQ

We build & qualify it first

We build the cell on our own production floor and run it against your parts until it meets the acceptance criteria. The trial-and-error happens here, not on your line — so what ships is already proven.

C · ON-SITE CONFIGURATION

It arrives pre-built

The qualified cell shows up ready. On-site work is tuning, not assembly: under two weeks to integrate with your line, MES/ERP, and safety, followed by a supervised run on real product.

D · ACCEPTANCE & FIRST UNIT

Proven, then handed over

We run supervised until your safety engineer signs off and the cell hits its numbers. Your technicians operate it day to day; maintenance and software updates are covered.

05 Let's talk

We started Relling to help this country make more of what it needs. If you have a task that's hard to staff or hard to automate, send it over — we'll tell you straight whether a cell fits, and scope it if it does.

Talk to us: jai.relan@rellingsystems.com · rellingsystems.com

EXCEPTIONAL ENGINEERING, TEAM FROM

SPACEX · NASA · BOEING · TESLA · RIVIAN · ANYSIGNAL · coinbase