FLUX

2026/27

Listen to your towers.

FLUX connects every mechanical parking tower, whatever its age or make, to the people who keep it running.



Operate the future of parking.

Remote monitoring and control for mechanical parking

Every morning, somewhere, a parking tower stops.

The driver calls the building. The building calls the maintenance company. Two technicians get in a van. Two hours later one of them presses a reset button, and the tower starts again.

Mechanical parking has been looked after this way for forty years. The towers always knew what was wrong. Nobody could hear them.

FLUX changes that. A small gateway listens to the tower's own controller and tells the right people what it needs, while there is still time to act.

Now the tower calls first.



Most call-outs don't need a technician.

70–80%

of fault calls are false alarms or simple resets. Each one still sends a two-person crew.

In our field data, most fault calls turn out to be false alarms or faults a simple reset would clear. Each of them still sends a crew.

~2h

from fault to technician on site on a typical day. The tower waits, and so do the drivers.

55+

is the average age of PLC field technicians. Around 40% are expected to retire within five years.

890K

mechanical parking bays in Korea alone. Three in four are more than ten years old.

Sources: Gigto field research and Korean industry data, 2025–2026. Korea is FLUX's home market.

How it works

One small box changes how parking is run.

FLUX works with the towers you already have. The gateway fits inside the existing control cabinet in a single visit. The machine stays exactly as it is, except that now it can be heard.

1 **Your tower** Any age, any make

The controller, the motors and the safety circuit stay exactly as they are.

2 **FLUX Gateway** Inside the cabinet

Reads the PLC over RS-232/485 and carries out commands once they are approved.

3 **FLUX Cloud** Always on

Turns machine data into alerts, history and insight, and keeps every device up to date.

4 **FLUX Apps** For your people

Owners, operators and technicians see the same live picture and act on it.

What we promise

Nothing is replaced

The gateway installs inside the existing cabinet. The machine is left as it is.

Safety stays with the machine

Emergency stops and interlocks remain hard-wired. FLUX cannot bypass them.

Any make, any partner

Works across brands and shares its data with partners through an open API.

Your tower
Any age, any make

FLUX Vision
Optional modules

FLUX Gateway
Inside the cabinet



Owner App
For your people

Operator Console
For your people

The brain of the parking tower.



Compact and built in aluminium, the FLUX Gateway lives inside the control cabinet. It speaks the controller's own language and turns every change in the machine into live, secure data.

Reads the PLC directly
Machine states, positions and alarm codes over RS-232/485. No extra sensors needed.

Acts only with approval
Resets and commands run only after an operator approves them and the safety checks pass.

Steps aside if it fails
If the gateway loses power, a relay connects the panel straight back to the PLC.

Secure from the first boot
Its own X.509 identity, a hardware secure element and encrypted MQTT.

Updates itself safely
Over-the-air updates roll out in stages and roll back on their own if anything looks wrong.

Compute	Quad-core ARM Cortex-A76, industrial carrier board
PLC interface	RS-232 / RS-485 serial
Protocols	LS Master-K, Modbus RTU. Others on request.
Network	Ethernet, Wi-Fi
Power	DC 9–36 V (12 / 24 V compatible), power-loss hold-up
Operating temp.	–10 to +55 °C
Enclosure	Aluminium, approx. 130 × 110 × 72 mm
Mounting	DIN rail or wall bracket (optional)
Security	Secure element, X.509 certificates, TLS, hardware watchdog
Updates	A/B over-the-air, staged rollout, automatic rollback

** Preliminary specification. Subject to change.*



FLUX Vision

Eyes on every platform.

Nobody should press a remote button without seeing what is on the platform. FLUX Vision gives operators a live view they can steer, and records the moment before and after every remote action.

- Live view with pan and tilt
- A visual check is required before any remote command
- Coming next: vehicle detection and licence-plate recognition

** Pilot module. AI features in development.*

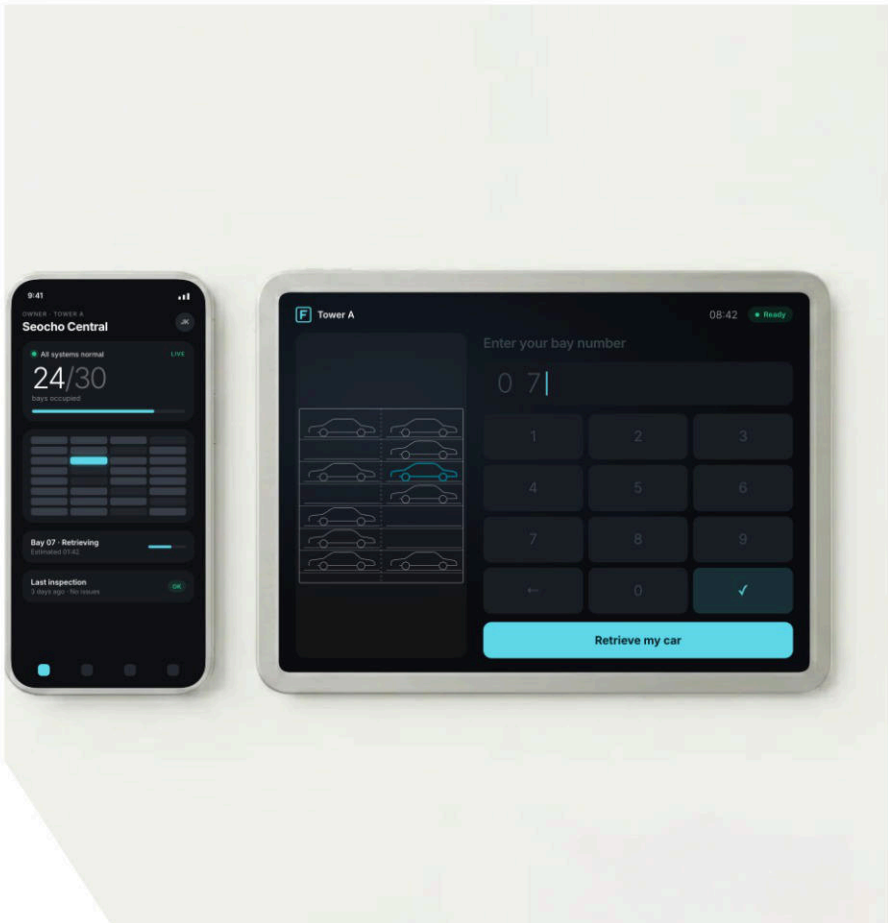
FLUX Touch Panel

A new face for the parking tower.

An Android-based panel that replaces ageing operator screens. Clear for drivers, configurable from anywhere and ready to show your own content.

- 15.6" high-brightness display, IP65 front (reference design)
- Modbus TCP and LS XGT connectivity
- Screens and content updated remotely
- Safety stays with the PLC, where it belongs

** Availability on request.*



FLUX Platform

Every tower you run, on one screen.

Owners see how their tower is doing. Operators see every site, every alarm and every technician. Both work from the same live data.



Owner App

Know before your tenants do.

- Live status of every bay and machine
- An alert the moment something goes wrong
- Service history and open tickets
- Invoices and monthly reports

Operator Console

Fix more without leaving the office.

- Every site on one dashboard
- Alarm triage and remote resolution
- Work orders and technician dispatch
- Firmware updates across the fleet

Safety

Four checks before anything moves.

Remote control is only worth having if it is safe. Every command passes four checks, and the machine's own safety system always has the last word.

1

The machine stays in charge

Emergency stops and interlocks stay hard-wired in the original controller. FLUX is designed so it cannot override them.

2

The fault is checked

Alarm codes are classified as they arrive. Safety-critical faults can never be reset remotely.

3

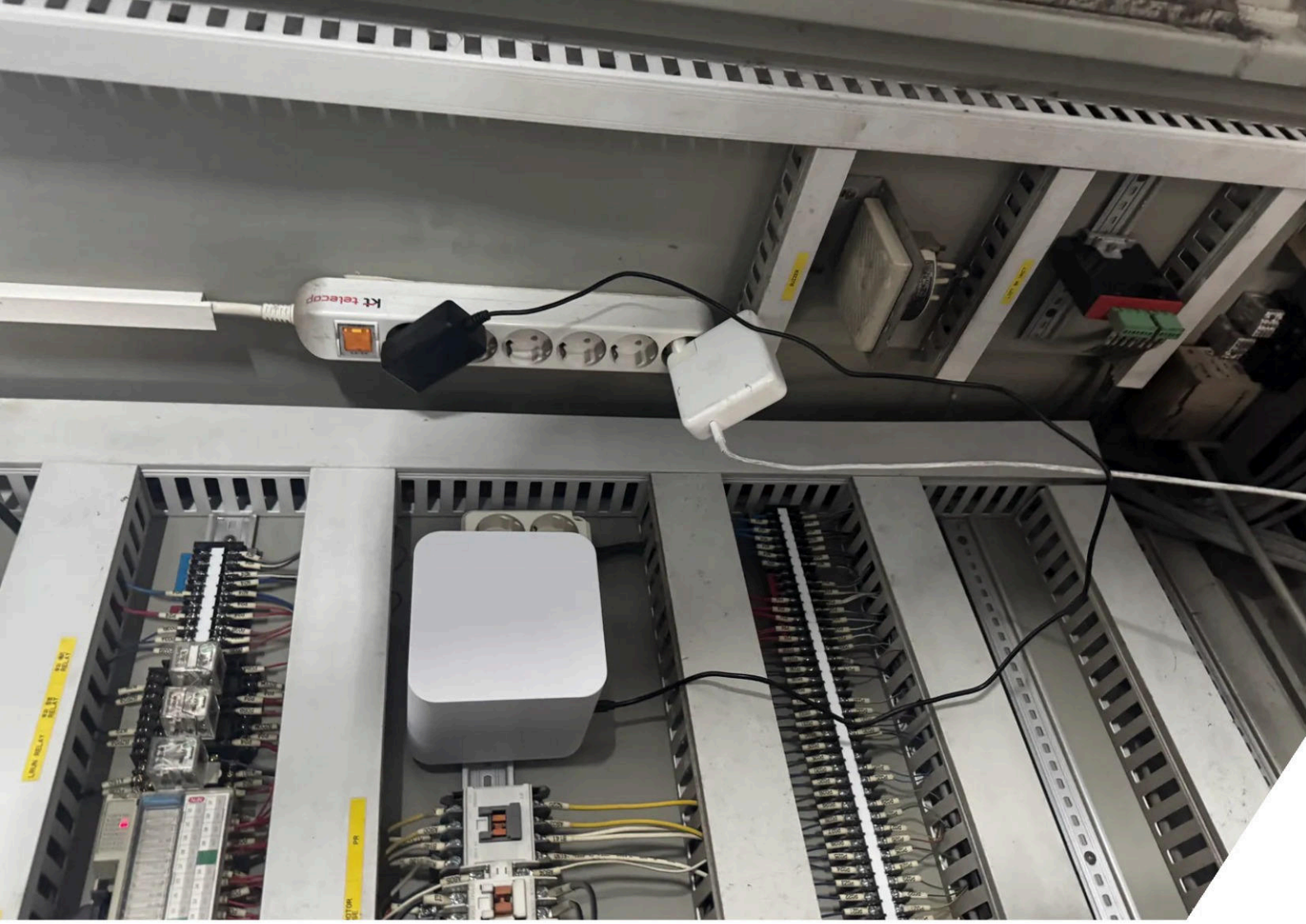
Someone looks

An operator checks the live camera and a safety list, then approves the command.

4

The hardware falls back

If anything in the FLUX chain fails, a watchdog and a relay hand control straight back to the panel.



A FLUX Gateway in a working control cabinet in Seoul. The machine itself was not changed.

Already at work in Seoul and Busan.

Pilot programme: 3 sites, 153 units, 3 weeks. Seoul and Busan, 2026.

99.4%

System uptime

22min

Average time to detect a fault, against roughly two hours by phone

55.6%

Incidents resolved remotely, 30 of 54

59%

Lower monthly operating cost per site

Results from live operation during the pilot. Results at individual sites will vary.

Partnership

We build the technology. You know the market.

FLUX grows through local partners who sell, install and service it. We supply the hardware, the platform and the support behind you.

Distributor

Regional rights to sell, install and support FLUX, with a margin on hardware and a recurring share of every subscription.

Maintenance operator

Run your whole portfolio from one console. Fewer call-outs, faster response and service contracts backed by data.

OEM and licensing

Build FLUX into your own towers and ship a connected product from day one.

How a pilot works

1

Check

Send us the controller model and a few photos of the cabinet. We confirm it will work.

2

Fit

One visit. The gateway goes inside the existing cabinet.

3

Run

Thirty days of live data and a weekly report on real incidents.

4

Roll out

Extend to all your sites at partner pricing.

Currently looking for partners in

Vietnam / China / Hong Kong / Japan / Finland / Germany / European Union

FLUX

Let's make your towers heard.

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Scan to read the online brochure

Operate the future of parking.

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