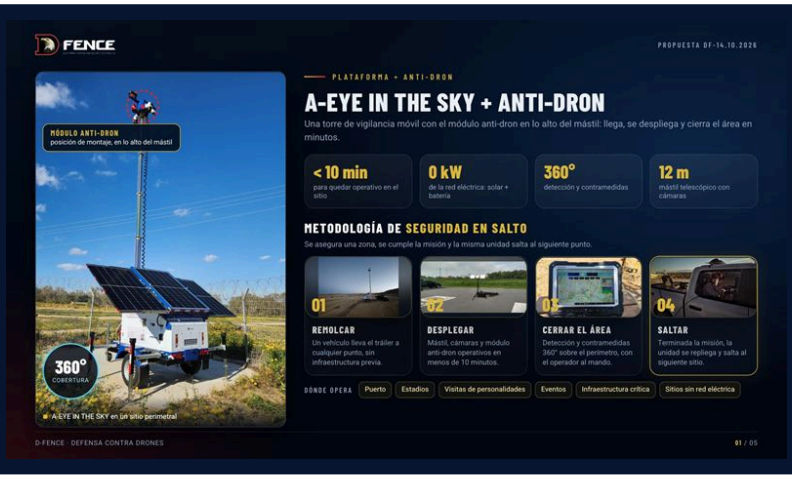
COUNTER-DRONE & ROBOTICS · D-FENCE CONCEPT · PLATFORM + ANTI-DRONE

D-DRONE

L1 Layer · Airspace

A mobile surveillance tower with the anti-drone module at the top of the mast: it arrives, deploys and closes the area in minutes.



KEY BENEFITS

01 Operational in under 10 minutes
Mast, cameras and anti-drone module ready on site, with no prior infrastructure.

02 0 kW from the grid
Solar + lithium battery: it works where there is no power.

03 360° detection and countermeasures
RF, radar, acoustic and EO/IR in one command, with the operator in control.

HOW IT WORKS

01 Tow
One vehicle takes the trailer anywhere, with no prior infrastructure.

02 Deploy
Mast, cameras and anti-drone module operational in under 10 minutes.

03 Close the area
360° detection and countermeasures over the perimeter, with the operator in command.

SPECIFICATIONS

Platform	AI-EYE IN THE SKY 5.0: solar trailer with a 12 m telescopic mast
Deployment	Mast, cameras and anti-drone module operational in < 10 min
Power	Solar + 11.77 kWh lithium; 0 kW from the grid
Coverage	360° detection and countermeasures
RF detection	70 MHz–6 GHz (extendable to 8.4 GHz); drone-controller link 2–5 km line of sight; 500+ signatures, OTA updates; < 2 s from signal to classification
Radar (level 2)	FMCW or pulse-Doppler, X–Ku band; detection 2–5 km (RCS 0.01 m^2)
EO/IR	1080p, 30× optical zoom; 640×480 LWIR thermal; detect 2 km, recognise 1 km, identify 0.5 km (small UAS)
Acoustic	4–8 microphones, 360° coverage, 200–800 m
Countermeasures	Selective soft-kill by protocol; 3–8 km omni, up to 10 km sectored; GNSS option for a controlled landing

04 **Jump**
Mission done, the unit packs up and jumps to the next site.

Command and control	D-COMMAND CONTROL: multi-sensor fusion, one track per threat, 2D/3D GIS map, AI drone/bird/noise classifier, ADS-B deconfliction
Latency	Sensor to screen < 300 ms
Alerts	SMS to preset numbers, siren and light
Communications	5G/4G with VPN; local and cloud recording
Platform cameras	6: 4 fixed + 2 PTZ with 25× zoom; detection up to 2,200 m
Note	Design values; the final configuration is confirmed in the offer. Jammer use subject to spectrum authorisation; soft-kill only.

TENDER SPECIFICATION TEXT

1. GENERAL

The system shall be D-DRONE by D-FENCE Electronic Fencing and Security Systems Ltd. (ISO 9001:2015 certified quality management), or an approved equivalent that meets every requirement in this section.

2. FUNCTION

A mobile surveillance tower with the anti-drone module at the top of the mast: it arrives, deploys and closes the area in minutes.

3. THE SYSTEM SHALL PROVIDE

- **RF + SIGINT sensor:** Drone type, heading and operator location.
- **Radar and acoustic:** 360° tracks and threats with no RF emission.
- **EO/IR and PTZ cameras:** Visual confirmation from the AI-EYE IN THE SKY mast.
- **PIDS fence:** Ground intrusion on the same map.
- **Automatic alert:** SMS to preset numbers, siren and light.
- **Countermeasures:** Selective soft-kill, authorised by the operator.
- **Recording and forensics:** Local and cloud VMS/NVR with smart search.
- **Remote command:** Command centre over 5G/4G with VPN.

4. TECHNICAL REQUIREMENTS

- **Platform:** AI-EYE IN THE SKY 5.0: solar trailer with a 12 m telescopic mast
- **Deployment:** Mast, cameras and anti-drone module operational in < 10 min
- **Power:** Solar + 11.77 kWh lithium; 0 kW from the grid
- **Coverage:** 360° detection and countermeasures
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- **Countermeasures:** Selective soft-kill by protocol; 3–8 km omni, up to 10 km sectored; GNSS option for a controlled landing
- **Command and control:** D-COMMAND CONTROL: multi-sensor fusion, one track per threat, 2D/3D GIS map, AI drone/bird/noise classifier, ADS-B deconfliction
- **Latency:** Sensor to screen < 300 ms
- **Alerts:** SMS to preset numbers, siren and light
- **Communications:** 5G/4G with VPN; local and cloud recording
- **Platform cameras:** 6: 4 fixed + 2 PTZ with 25× zoom; detection up to 2,200 m

- **Note:** Design values; the final configuration is confirmed in the offer. Jammer use subject to spectrum authorisation; soft-kill only.

5. DETECTION SEQUENCE

1. **Tow:** One vehicle takes the trailer anywhere, with no prior infrastructure.
2. **Deploy:** Mast, cameras and anti-drone module operational in under 10 minutes.
3. **Close the area:** 360° detection and countermeasures over the perimeter, with the operator in command.
4. **Jump:** Mission done, the unit packs up and jumps to the next site.

6. SUBMITTALS

Before installation, the contractor shall submit the manufacturer's datasheet, the installation instructions and the zone layout for approval.