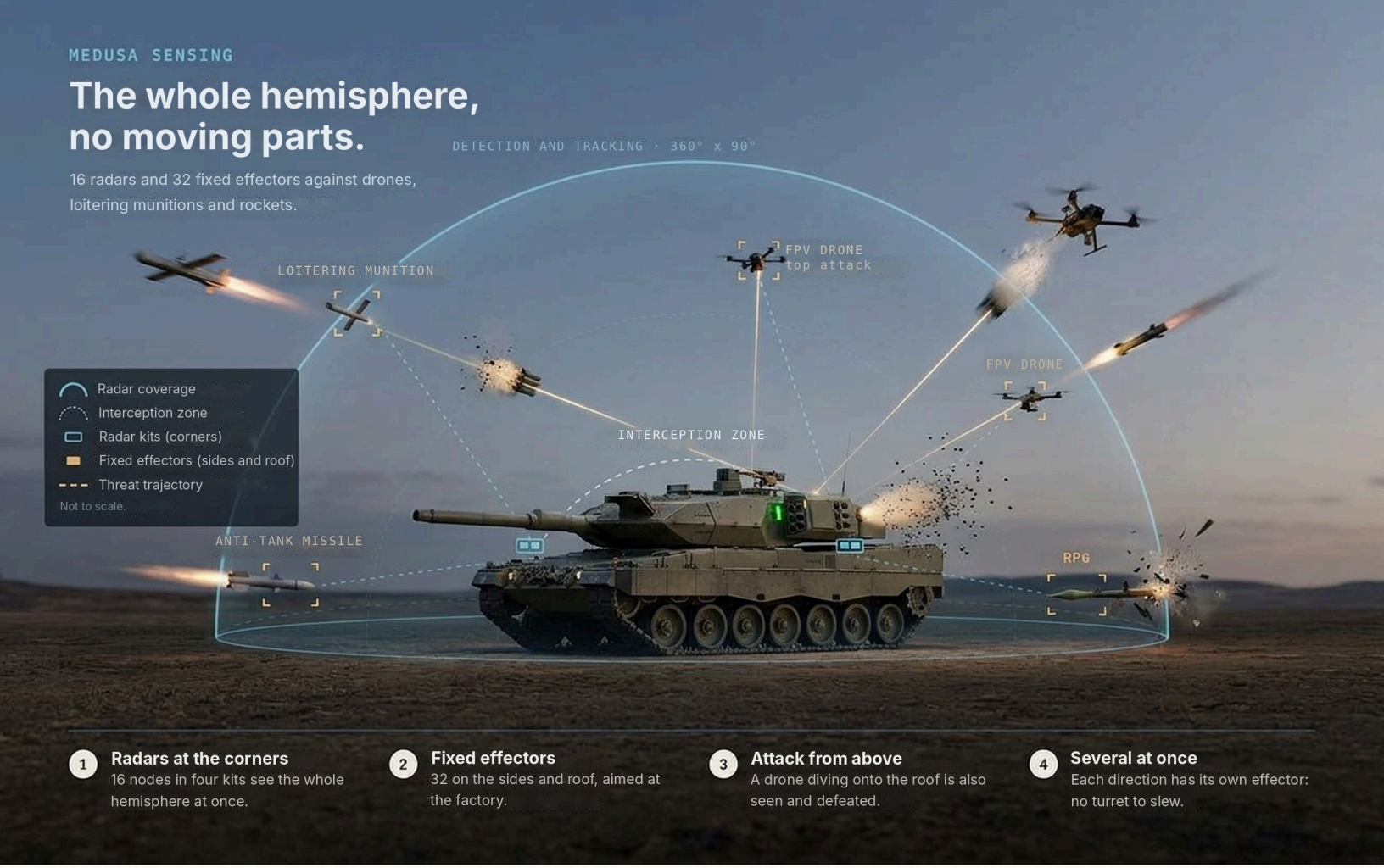
MEDUSA SENSING

The whole hemisphere, no moving parts.

16 radars and 32 fixed effectors against drones, loitering munitions and rockets.



1. **Radars at the corners** — 16 nodes in four kits see the whole hemisphere at once.
2. **Fixed effectors** — 32 on the sides and roof, aimed at the factory.
3. **Attack from above** — A drone diving onto the roof is also seen and defeated.
4. **Several at once** — Each direction has its own effector: no turret to slew.

THE PROBLEM

Several FPV drones, loitering munitions, RPGs and anti-tank missiles attack at once, from different directions and from above.

Systems in service handle missiles and rockets, but carry two to four interceptors per vehicle and look mainly at the horizon: a swarm of cheap threats exhausts them, and the roof is left exposed.

MATURITY

Nothing has been validated experimentally. The committed objective is Level 1, drones and loitering munitions; Level 2, RPGs and missiles, will be decided with the measured range.

REFERENCE FIGURES

Parameter	Value
Dead sectors	0% over 360° × 90° (calculated)
Minimum time against an RPG	64 ms to see, confirm and decide
Range needed	53 m; calculated: 63–85 m
Power draw	under 1 kW
One effector lost	opens ≤ 1.66% of the sky

Coverage calculated over more than one million directions. The range is an estimate: it has not yet been measured.

THE ASK

Support for a first campaign to measure the real range of the radar, over three to six weeks, with a technical counterpart from the user. The effector is developed by a defence-industry partner.

Víctor Gacitúa Molina, Founder & CEO · MEDUSA Sensing SpA · contacto@medusasensing.cl · +56 9 7399 5183

Public disclosure document, with no NDA-restricted information. Figures are calculated or estimated and not yet experimentally validated.