

Manifold

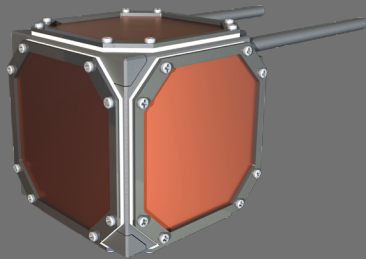
ROBOTICS

EMsense

EMF SENSOR



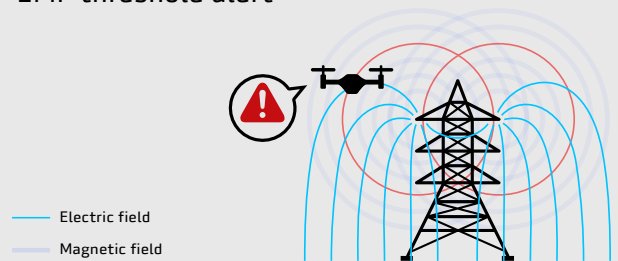
Fixed-wing and rotary drones



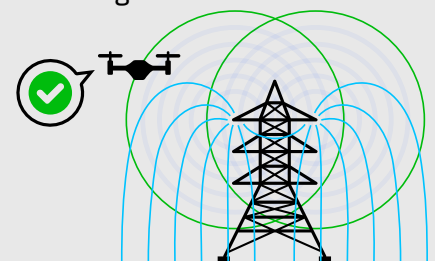
EMsense

The EMsense is a specialized electromagnetic field (EMF) sensor for drone operations. Detecting 60 Hz and 50 Hz energy in three dimensions, EMsense provides fixed-wing and rotary drones crucial positioning and raw EMF data based on the electromagnetic fields naturally emitted by powered infrastructure. Drones that equip the EMsense can execute inspections and long-distance flights more safely and autonomously by guaranteeing user-defined proximity to the target power source, and avoiding areas of danger based on EMF thresholds.

EMF threshold alert



EMF-based positioning



EMF-based line tracking for long distance flight

