



Co-funded by the European Union



ALTISS



Highly Automated Swarm of Affordable ISR Long Endurance UAVs for force protection

ALTISS system enables permanent and continuous surveillance of wide areas (up to 500km²/h per UAV) across long ranges (several hundreds of kms). Co-funded by the European Union, ALTISS demonstrates the EU's commitment to collaborative defence technologies shaping future battlefields. Over 3 years of intensive research and development, ALTISS system delivered cutting-edge solutions, including:



MAGELLIUM ARTAL GROUP (FR)

ARGO360 – ImInt Payload

- Persistent situational awareness through extra-wide field of view (75°) and full 360° scanning
- Onboard, real-time AI-based threat detection, enabling flexible datalink usage: transmission of detections only or real-time video streams
- Highly compact design:
 - 6 HDR cameras (3 visible, 3 infrared) — 55 MP total
 - 180 mm diameter, 2.5 kg



SAGAX COMMUNICATIONS (HU)

RDF2000 – ComInt Payload

- Real time analysis of a wide range of frequencies
- Geolocation of radio emitters
- Low-power (<60 W), lightweight (~850g) and compact (140x192x75 mm)
- Tip & cue the optical payload upon detection of radio emission of interest



RADIONOR (NO)

Long range robust communications

- Digital array beam forming technology:
 - long-range transmissions
 - low electromagnetic visibility
- Encrypted communications with up to 15 Mbps data throughput
- Position estimation in GPS denied environments



M3 SYSTEM (BE)

Smart Swarm flight management

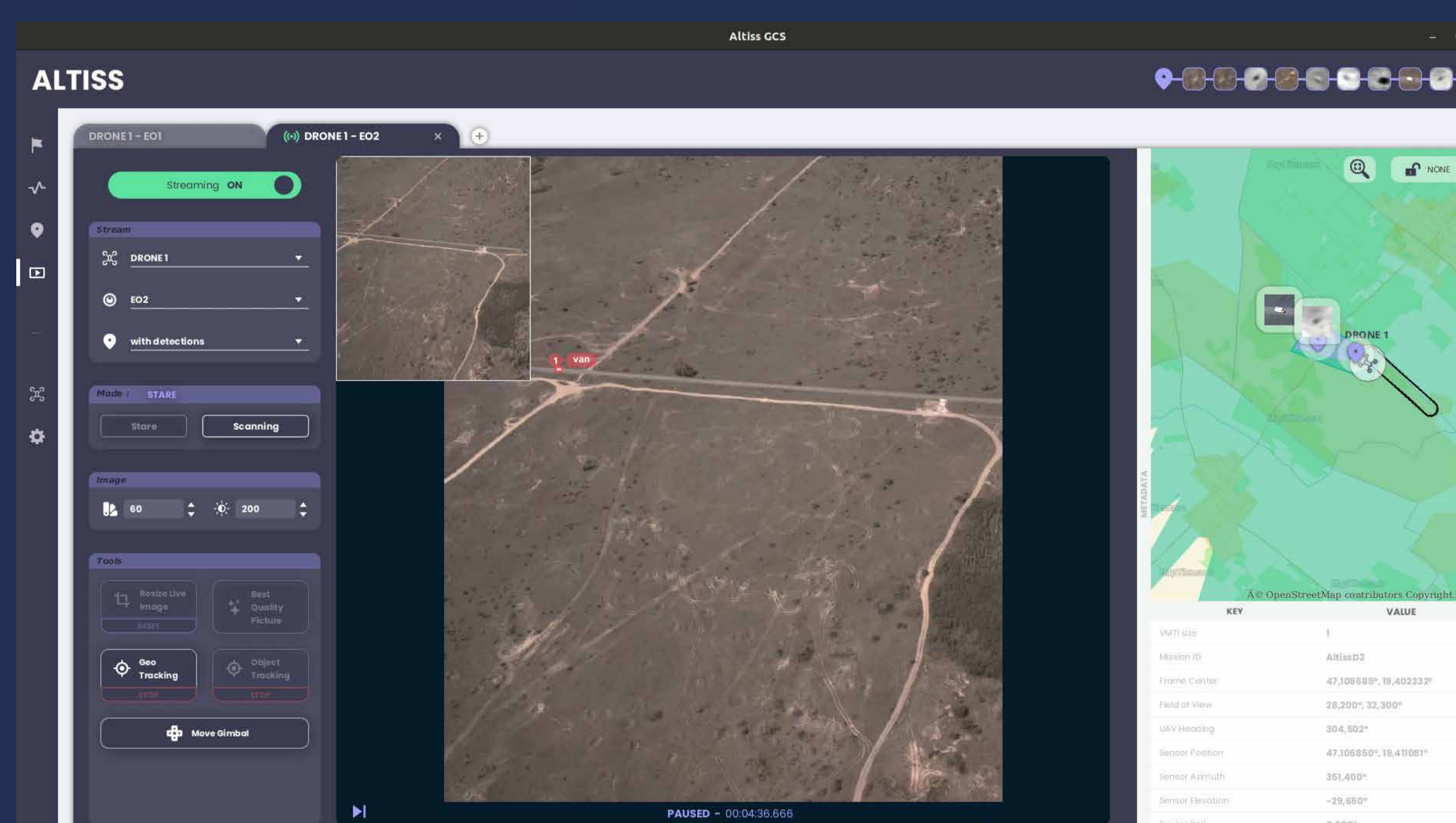
- Intelligent area scanning flight paths
- Automatic flight plans generation
- Dynamic tasks and behaviours management



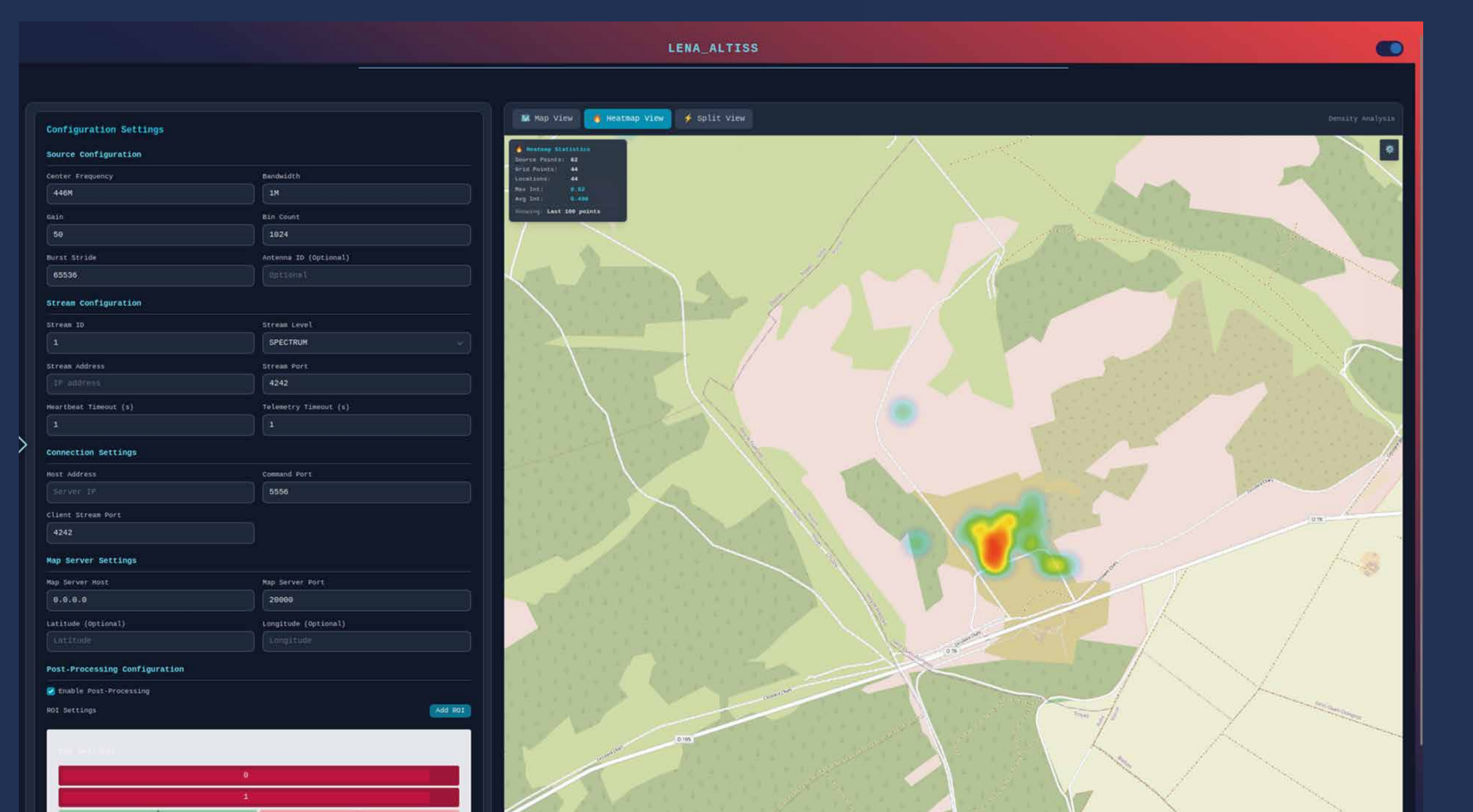
UAV and Payloads



Ground Control System



Imagery intelligence



Signal intelligence

