DEEPLOMATICS

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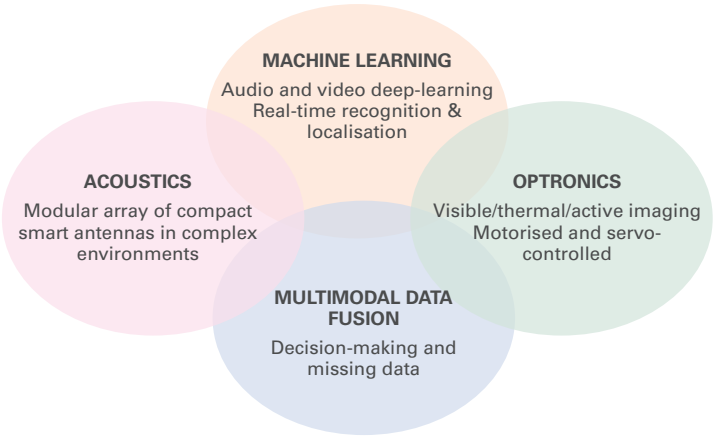
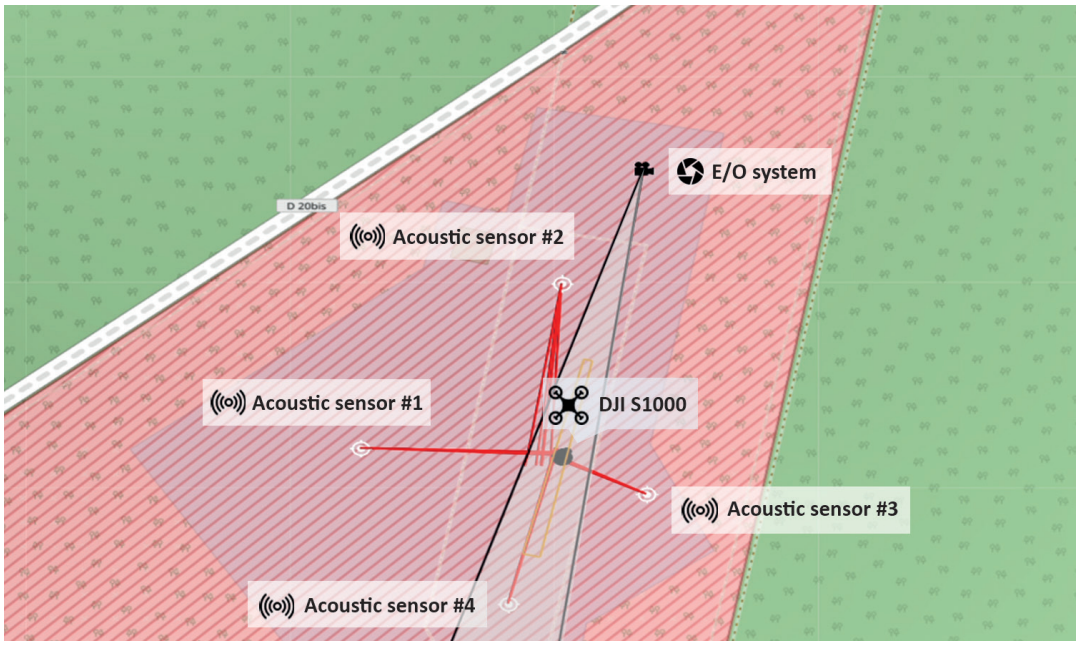
Deep-Learning for the Real-time Multimodal Localization and Identification of small UAVs

Application to the surveillance of sensitive sites: robust real-time identification and tracking of drones

Key features

- Real-time fusion of heterogeneous data (EO/IR, Acoustic)
- Distributed sensor architecture
- Fully autonomous system
- Low-cost COTS acoustic sensors
- Multi-spectral optical sensors (VIS, SWIR, LWIR)
- AI-powered for both acoustic and optronic data

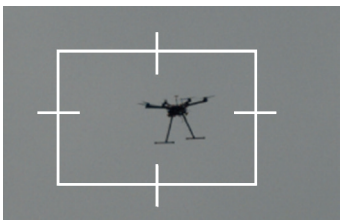




DEEPLOMATICS Command & Control Software

Functions

- Drone detection, classification and localisation every 200 ms
- AI-enabled orientation of the optronic system for real-time tracking
- Active imaging for optical drone segmentation and range estimation
- User friendly Command and Control HMI for direct threat analysis



References:
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