MEERKAT PERSISTENT WIDE AREA SURVEILLANCE SYSTEM

Applications: Security, Border and Wildlife Protection

Current Application: Supporting counter poaching operations in the Kruger National Park

Functions:

- Radar detection and tracking of moving human size targets
- EO/IR track classification and monitoring
- Display and record information for:
 - o Domain awareness
 - o Intercept control
 - o Actionable intelligence
 - o Post mission analysis

Characteristics:

- 24/7 operation
- > 200 km² coverage (20000 ha)
- Rapidly deployable to prevent crime crisis zones from developing
- Unattended sensor operation on high sites
- Data link to operator station at command HQ

Contributors:

- CSIR: Meerkat system research, design and development
- The Peace Parks Foundation in collaboration with the Postcode Lottery: Project funding
- SANParks: Counter-poaching operations development
- Reutech Radar Systems: Radar subsystem



- Integrated sensor system designed to supply situation awareness of an area of interest.
- Detect and identify potential intruders in order to provide reaction forces with accurate, real-time information used to intercept suspects.
- Meerkat is a South African technology solution developed in-country for South African conditions.
- Bespoke solution continuously upgraded and optimised according to each user's specific requirement and scenario.

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