



TEDUNG

Passive Emitter Tracking

TEDUNG is a Passive Emitter Tracking (PET) system designed as a vital system for military and security operation by taking into account all requirements needed by the Malaysian military. TEDUNG was developed to acquire strategic information about targets and their radar from naval, ground, and up to airborne target with highly advanced technological application



About Mindmatics

Mindmatics Sdn. Bhd. specializes in providing comprehensive range of solutions in IT, computing and electronics. The strength of Mindmatics lies in the seamless synergy of solid technology-based design team with experienced R&D engineers. A host of homegrown innovations to fit the modern 'Command, Control, Communications, Computers, Intelligence, Surveillance, Reconnaissance and Targeting (C4ISRT) needs with almost 20 years of experience in the industry, boasting our original, localized and tailored solutions, we strive to meet all defined requirements and beyond.

Key Features



- Threats from suspicious aerial presence.
- Early preparation in any possibilities.



- Collect radar signatures.
- Can be integrated with any command control system.



- Search-free technique employing the reception of signals emitted by the radar from all directions.
- Capable of covering 500km (LOS) radius.
- Passive detection.



- Display real-time geo-location of a target.
- Identify moving or stationary target from their airborne, landed and maritime radar emission.

Technical Specifications

| Characteristics | Parameter |
|--|---|
| Frequency Range, GHz | 0.95 - 18 |
| Bandwidth for Analysis, MHz | 500; 100; 50; 20; 10; 5; 2; 1; 0.5; 0.1 |
| Space Scanning | In azimuth = 360° In elevation = 15° |
| Detection Range, km | 500 (LOS) |
| Position Finding Method | Time Differential of Arrival (TDOA) |
| Mean Position Error | 2% of the range |
| Number of Simultaneously Tracked Track | Up to 200 |
| Remote Interface | Ethernet |
| Deployment Time, min | 45 |

