



# 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



## Key Features

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



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



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



- 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





## About Mindmatics

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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 and 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.

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