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## *RF Decoy for Air Defence Protection*

*SHIELD - Sophisticated Hybrid Integrated Electronic & Lure Defence*



MDSI ApS, based in Copenhagen, Denmark, has developed **SHIELD** to protect medium and long-range Ground-Based Air Defence (GBAD) units or Air Defence Missile Systems (ADMS) by leveraging D-TA's mobile, high-power EW threat emitters. A GBAD/ADMS system is responsible for the safeguarding of the civilian population and critical infrastructure and is in constant danger of being hit by enemy missile attacks. **SHIELD** significantly increases the survivability of the GBAD/ADMS system against this threat.

D-TA's mobile EW threat emitter selected for **SHIELD** has a frequency range from 2-18 GHz and provides an EIRP of 80 dBm from a rotating reflector antenna. The system is mounted on a trailer for mobility. It simulates electromagnetic signature of GBAD radar units. By projecting realistic radar-like emissions into the battlespace, SHIELD lures enemy radar-seeking weapons away from critical assets.

D-TA's Mobile EW Threat Emitter can be programmed to mimic any radar signature for radiation at high output power for detection from many tens of kilometers. The system is placed at stand off distances to protect critical assets.

The **SHIELD** configuration with single and multiple trailers can be programmed from a common C2 to mimic any radar threat profiles from a library of threat profiles to act as a false radar emitter to draw fire away from genuine air defense systems. The **SHIELD** system can be combined with spectrum obfuscation systems to disrupt enemy ISR operations.

For more information about **SHIELD**, please contact us at:

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