Spyder Family - (SR™/ER™/MR™/LR™)
Short/Extended /Medium/Long Range Mobile Air Defense Systems

Benefits
- Operational and combat proven systems
- Engages and destroys a wide spectrum of hostile threats
- Autonomous capabilities
- On-the-move detection and instant firing after halt
- Dual use missiles (air-to-air and surface-to air)

Spyder Family - Mobile Air Defense Systems
The Spyder family includes short/Extended/Medium/Long Range mobile air defense systems defend large areas against a wide spectrum of threats, such as attack aircraft, helicopters, bombers, cruise missiles, UAVs and stand-off weapons. The systems are operational and combat proven and provide excellent protection of valuable assets, as well as first-class defense for forces located in the combat area.

State-of-the-Art Missiles
The Spyder systems incorporate the most advanced, proven performance air-to-air-missiles: the Python-5- dual waveband imaging infra red (IIR) missile, the I-Derby - active radar beyond visual range (BVR) missile and I-Derby ER long range missile, based on two pulse advanced rocket motor. The Spyder-MR and Spyder-LR use the same missiles with a booster assembly. The missiles can also be used for air-to-air missions.

Operational Performance
The Spyder family has autonomous capabilities. The systems detect threats while on-the-move and firing is performed instantly after halt. The Spyder-SR and Spyder-ER 360° slant launching provides quick-reaction, Lock On Before Launch (LOBL) and Lock On After Launch (LOAL) capabilities, low level protection, whereas the Spyder-MR and Spyder-LR offers medium & long range target interception through vertical launch. Both systems enable 360° launch within seconds of the target being declared hostile and provide all-weather, multi-launch, net-centric capabilities.

The Spyder systems have advanced ECCM capabilities and use electro optic observation payloads as well as wireless data link communication.
Spyder Family Configuration

The Spyder family includes the same system elements in all versions.

A standard Spyder battery includes:

- Truck-mounted command and control unit (CCU) - (radar sensor unit is mounted on the CCU in Spyder-SR/ER)
- Truck mounted Radar (Spyder-MR/LR)
- Toplite EO sensor
- Missile firing units (MFU) with communication equipment
- Missile supply vehicle (MSV)
- Field service vehicle (FSV)

Spyder’s open architecture design enable adding up external components (such as radars). The systems are mobile and transportable by aircraft (such as C-130).