RIwP®
RECONFIGURABLE INTEGRATED- WEAPONS PLATFORM
FULL SPECTRUM TACTICAL ENGAGEMENTS THRU AIR DEFENSE

RiWP is a flexible, scalable remote turret providing tailored overmatch and improved survivability against current and emerging threats across the full spectrum of conflict. Providing precision medium caliber and indirect-fires lethality, this product is light enough for a tactical vehicle, yet has more fire power than most currently fielded combat systems.

This weapon system improves soldier safety with reload under armor for all direct fire weapons and at least STANAG III crew compartment protection. RiWP utilizes an advanced fire control architecture which features a dual-axis, long range, independently stabilized sight for optimum on-the-move targeting and engagements. Comprised of common-base system elements that maximize the efficiency of training, this turret saves management time and money.

**SAMPLE SPECIFICATIONS***

**Armament**
- Missiles: Stinger, TOW, Javelin, TGMW, DAGR, LGPRs, Hydra 70, Coyote
- Guns: XM914, M2, M240, M19, M240G, M242, Mk44/XM813, M134
- Non-Lethal: Smoke Grenades, Projectiles, Grenades, Acoustic Hailer, Laser Dazzler, Laser Designator, other customer dependent
- Ammunition Reloading: (5.56mm to 40mm AGL, XM914) Under-armor reloading for continuous fire
- (25mm, 30mm) Under-armor reload via compatible vehicle hatch
- Missiles reloaded under partial cover of vehicle hatch

**Currently Integrated Sights**: IBS, ITAS, ILAS3, Mk-GCS

**Target Acquisition System**
- Sensor LOS Pointing: 2 axis stabilized < 150 microrad/axis
- Sensors: TV, FLIR, IR, long wave
- Optic TV: HD Color
- Sensor FOV (FLIR and DTV): WFOV: 13.3°H x 7.5°V
- NFOV: 3.6°H x 2.0°V
- Laser Rangefinder: 18 Km Range, ±3m accuracy, eyesafe single pulse or 1 pulse/second continuous firing
- Available Video Outputs: HD-SDI, Gen 1.2, & RS-170

**Weapon Control System**
- Stabilization: Electric-mechanical 2 axis stabilized, < 0.5 mrad each axis
- Azimuth: 0 to 360°, 0.15 mrad/sec to 1 rad/sec
- Elevation: -20° to +60°, 0.2 mrad to 1 rad/sec (optional +80°)
- Backup: Manual in both axes

**Fire Control System**
- Weapon Director: Independently stabilized sight and weapons with integrated video autotracker
- **Optional**: For target acquisition

**Protection**
- Base armor: STANAG Level III for Crew Compartment
- Add-on armor: Easily up-armored to meet customer unique needs
- Smoke grenades: 8 x 76mm Wegmann/3.8H x 2.07V
- **Optional**: Electronic products including Counter UAAS derived Situational Awareness Camera System, Laser Warning System, Shooter Detection System

**Vehicle Integration**
- Base Platform: Easily integrates onto the majority of tactical and fighting vehicle platforms
- Display: Customer Configurable
- Hand Controller: Customer Configurable
- Combat Weight: Nominally 2200 lbs
- Power: <50A at 28 VDC nominal (18-32 VDC Supply)

*Patented and Patents Pending*

*For specifications on a particular configuration, please call office*