



## Pegasus Intelligence FZCO بيغاسوس إنتليجنس ش.م.ج.

### RANGER

A unique product employing the latest operational payload technology coupled with innovative robotics.

Providing defile clearing, reconnaissance, force multiplication, and intelligence gathering across today's dynamic battlefields.

### Rugged and reliable.

The RANGER is a small Unmanned Ground Platform specifically designed to support bespoke applications driven by client requirements and use case.

A suite of control methods including by tethered hand control, telemetry, or autonomous operation with control from a command and control facility.

RANGER is rugged, simple to operate, rapid to deploy and is capable of being equipped with an array of advanced sensors tailored to operational requirements.

### Support of vehicle operations

The RANGER UGV is designed to enable internal carriage in armoured cavalry vehicles.

A single cavalry vehicle can internally carry and recharge the RANGER, providing 24/7 local coverage if required.

Operating thousands of meters from its parent vehicle for hours at a time, RANGER will allow your cavalry to see the enemy first while staying out of reach and providing early detection of threats.

### Support for dis-mounted troops.

RANGER supports dis-mounts in a number of ways, fitted with a remote weapon station it can be used as a force multiplier combined with its swarming capability multiple RANGER's can be deployed in a hunter killer role.



### SYSTEM FEATURES

- Battery operated.
- Autonomous and remote control.
- Soldier operated via chest rig
- Obstacle detection and avoidance.
- Waypoint navigation.
- Instant Data erase or B.I.P.
- Multiple payload options.
- Health and Usage Monitoring.
- "L" band encrypted suite B and AES 256 Radio equipment (Standard)
- Swarming capability, multiple RANGER's can swarm on a target.



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### Real time situational awareness.

The RANGER user interface provides real time information on location of assets in the battle space as well as mission profiles and intelligence.

Ability to insert hostile locations onto map using NATO joint military symbology.

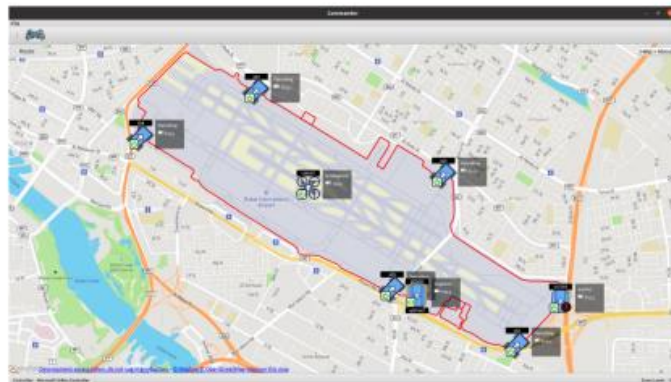
Operator can take command of any asset assigned to their call sign as well as integrate with other assets such as aerial drones.

The user interface also provides health and usage monitoring of each individual asset.

- One node.
- SROS Security.
- Swarm Mentality.
- Each PCS/C2 has a database.
- Real-time.
- Can have multiple Controllers.



- Selected UGV glows on the relevant PCS/C2 only.
- Callout buttons.
- Ops Mode shown in bottom left corner.
- UGV name above icon.





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## RANGER

Unmanned Ground Vehicle

CHARACTERISTICS	
Power	24v dc
Battery	100Ah
Payload	170kg
Over charge protection	Yes
Charge time	2-3 hours
Steering	Skid steer
Operational duration	5-8 hours payload dependent
Turning circle	Own footprint
Control	C2 based software, and phone-based app
Braking	Electro-mechanical
Emergency stop	Physical stop button
Speed	>8kmh
GPS Interface	Yes

WEIGHT & MEASURES	
Weight	97kgs
Length	996mm
Height / Width	H:445mm W:600mm

