



SVOS
www.armsvos.cz

ARMoured VEHICLE WITH INTEGRATED SURVEILLANCE SYSTEM

SVOS, spol., s r.o. offers a wide variety of special surveillance and monitoring vehicles suitable for operation in border zones, coastal areas, critical infrastructure areas and other places with high security risk. The vehicles are typically protected from ballistic and explosive threats for the crew safety and may be equipped with customized optical and other detection sensors either installed directly in the vehicle, or on the roof in a detachable roof box. The optical sensors are consisting of high-resolution day and thermal cameras, laser range finders, radars, high intensity lighting system and other equipment such as datalink and communication units or RF jammers etc. The surveillance and monitoring vehicles are designed for day operation even in the heavy terrain with unparalleled protection of the crew from any threats of the modern battlefield. Surveillance system composition is typically tailored to a specific needs of the operator.



Armoured Toyota Land Cruiser with electro-optical surveillance system

- road and heavy terrain mobility
- Unparalleled crew protection level (against ballistic and explosive threats)
- Remote and long-range control of the surveillance system (upto 28 km)
- Easy logistic allowing local maintenance of the vehicle



ZETOR ENGINEERING
www.zetorengineering.cz

ATV 4x4 ZETOR GERLACH

Vehicles from the GERLACH fleet developed and manufactured by ZETOR ENGINEERING s.r.o. BRNO, with their exceptional safety concept and unprecedented focus on crew protection and mobility, reflect on the new requirements for protection and mobility corresponding to the threat from current combat operations right from the start of development.

The ATV 4x4 ZETOR GERLACH vehicle with a special focus on the protection and mobility of the crew in the basic version allows its modularity to obtain anti-mine protection STANAG 4569 Volume 2 level 3a/3b with preparation for protection against IED Volume 3.

ZETOR GERLACH vehicles are characterized by the ability of the ZETOR GERLACH chassis to carry special equipment. RCWS cal. 30mm, but also special – heavy military modules.



LAND BORDER SECURITY

Land border security operate in areas with high security risk while ensuring maximum protection of the crew in surveillance, search and rescue and defence missions.



Land border security produced by **EVPÚ DEFENCE, VOP CZ, ZETOR ENGINEERING, SVOS, SPECTRASOL** and **PRAMACOM-HT** offer top quality surveillance and protection capabilities.





VOP CZ
www.armsvos.cz



UGV TAROS - Tactical Robotic System

Unmanned systems are gaining increasing importance for the military and for public security. Due to mass global migration into cities and growing ecological and geopolitical crises, the probability of future conflict in developed areas is rising.

Various armed forces are aware of this and are modernising the portfolios of their capabilities in order to allow them to combat and win in urban environments, and unmanned ground vehicles (UGV) are expected to play a key role in future operations.

System properties:

- Optional equipment of the machine with weapons, sensor and robotic systems
- Autonomous movement by GPS coordinate
- Autonomous movement along a route consisting of a set of coordinates (waypoint navigation)
- Autonomous movement using a camera system
- Economic and quiet operation
- High battery life (option of constant recharging from the combustion engine)
- Can be integrated into existing security systems

Military sphere:

- Intelligence, surveillance and reconnaissance
- Search and rescue
- Combat support
- Transportation – increasing the speed of operations
- Disposal of explosive ammunition

PRAMACOM-HT

www.infrared.cz



LRAD - Long Range Acoustic Device

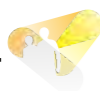
LRAD is a specialized loudspeaker that produces sound at high power for communicating at a distance. Such power can be used as a sonic weapon as well.

Other uses: Border protection, negotiation in siege situations, mass notification during natural disasters, military base protection

- Powerful, intelligible voice communication up to 3000m
- Focused, directional broadcast for targeted communication
- Safer alternative to non-lethal and kinetic measures
- Simple to operate
- Rugged, military tested construction, All-weather/All-condition use
- Low Power Requirement



SPECTRASOL
BIODYNAMIC HUMAN SOLUTIONS



SPECTRASOL
www.spectrasol.eu

LED SIMULATION OF SUNLIGHT

REVOLUTIONARY CZECH TECHNOLOGY FOR PROCOGNITIVE AND BIO-DYNAMIC LED LIGHTING THAT MIMICS NATURAL SUNLIGHT

- Affects Non-image forming eye processing (NIF)
- Improves work performance, reduces stress and error rate
- Supports alertness, speed of thought and concentration
- Improves health, vitality and emotional state
- Improves subjective satisfaction and team relationships
- Supports safety, visual comfort and regeneration
- Makes working and environmental conditions more attractive
- Improves lighting efficiency and overall quality

Efficacy validated within research by Czech Technical University UCEEB, National Institute of Mental Health and other scientific institutions.

Suitable for duty-rooms, dispatch and control centres, training rooms, offices, laboratories, development and manufacturing facilities, and other interior mental or physical workplaces.



EVPÚ DEFENCE
www.evpudefence.com

EVPÚ DEFENCE



REMOTE CONTROLLED WEAPON STATIONS

- various types for weapons up to 7.62 mm and up to 12.7 mm
- low weight and compact design
- detached line of sight
- customizable solutions

OTHER SYSTEMS FOR MILITARY VEHICLES

- situational awareness and driver vision systems
- commander and gunner sights
- laser and radar irradiation detection systems