



AV-ENERGIES

Providing

Training Infrastructure to Security Forces





About Us

AV-Energies is an ethical, responsible leader in providing training infrastructure to security forces as well as renewable energy solutions. The leadership team comprises ex-Army officers who have made successful corporate transitions post command of their units.

We understand the operational and training requirements of the security forces well; we have a deep desire to contribute meaningfully to enhancing their operational preparedness and effectiveness. We can contribute meaningfully in creating high-quality customized training aids for security forces (IED, mines, basic training, NBC, mechanical engineering and software based models, small arms range equipment and physical fitness lab equipment).

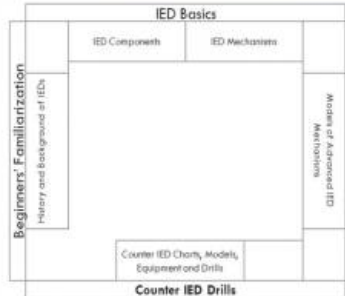
Some of our esteemed customers are:

• MEG, Bengaluru • BEG, Roorkee • BEG, Pune • Inf School, Mhow • IMA, Dehradun • CME, Pune
• Institute of IED Management, CRPF • BSF Academy • CEDUs • Bomb Disposal Unit, NSG • JRC Bareilly • CBS, Khrew • CIJW, Vairengte, Mizoram • Engineer Regiments • CMM, Jabalpur
• Rashtriya Rifles Battalions • Assam Rifles Battalions • Karnataka Police • Bengaluru International Airport • Various Security Agencies • Air Costa • TATA Singapore International Airlines

Some of our key offerings are:

- **Counter IED Training Kits (set of 8), with Manuals:** For squad-post/outdoor training – a set covers the entire range of basic counter IED training viz types of explosives, IED components/types, switches, shaped charges, incendiaries, grenades, suicide vests, rural and urban advanced IED models.
- **CIED Model Rooms:** Includes open circuit mechanisms, application models, charts & working mechanism boards – accompanied by write ups, with the history & use scenarios of different IEDs and counter IED techniques.
- **Counter IED Training Labs:** These include inert materials to fabricate and take apart IED circuits and provide hands on experience in various IED components, circuit and methodologies- an essential pre-requisite for defeating IEDs.
- **Software Controlled IED Training Range (SCITR):** Conducting counter IED exercises ranging from recovery ops, post blast investigation, exercises like cordon & search, road opening, area securing and Counter IED Equipment training.
- **SAVIOR ROV (Remotely Operated Vehicle):** ROV provides state-of-the-art technology for infantry troops, combat engineers and mobile EOD technicians.
- **Training capsules:** Includes audio visual training experienced, ex-forces instructors with NSG and overseas experience and demining training.
- **Upgrading existing infrastructure:** Through provision of charts, working models, mines and shaped charges models, etc.
- **Electronically controlled mechanized target system for CQB and reflex shooting ranges.** State-of-the-art equipment for physical fitness labs.
- **NBC Defence Training:** Charts, models and simulators (e.g. Radiological recce simulator).

IED Model Room



Application Models



Open Circuit Mechanisms



Charts and LED Display Boards



Counter IED Training Kits with Manuals



1. Recognizing and Dealing with Explosives



2. IED Basics



3. Understanding and Dealing with Initiating Mechanisms



4. Understanding and Dealing with Remote Initiating Mechanisms



5. Dealing with Suicide Vests and Suicide Bombs



6. Shaped Charges, Incendiaries and Grenades



7. Advanced Rural IED



8. Advanced Urban IED

Counter IED Lab



Features:

- Understanding and Identifying Explosives
- Accessories for Demolition/ IED assembly
- Initiating Mechanisms
- Incendiary Devices, Shaped Charges and Grenades
- Advanced IED Models
- Basic Familiarization with NBC Warfare
- Lab Tools and Lab-work Manuals

SAVIOR ROVs

ROV with Seamless possibilities

Savior ROVs are modular, multi mission robots designed for disposal of improvised and other explosive devices weighing up to 15 kg (as per model). Built on diversely configurable versatile chassis, Savior ROVs can be quickly configured based on the needs of the mission such as bomb detection, reconnaissance, search and other life-threatening tasks.

Savior ROVs have a dexterous and simple 'gaming' type controller. The portable and fully loaded Savior ROVs can enter areas that are inaccessible or too dangerous for people, providing state-of-the-art technology for infantry troops, combat engineers and mobile EOD technicians.



Capabilities:

- Detect Explosives
- Visual Inspection
- Check Point / Vehicle Inspection
- Navigate Confined Spaces
- EOD / Bomb Disposal
- Route / Building Clearance

Features:

- Transportable in a small vehicle like a car.
- Highly mobile, with cross country mobility and speed up to 5 kmph (1.4 m/s).
- Excellent obstacle crossing capability- can negotiate obstacles up to 8 inches high and up to 1 foot wide.
- Slope negotiation up to 30 degree gradient.
- Detect and dispose of bombs and other Improvised Explosive Devices (IEDs) with ease.
- Can be fitted with various detectors for detecting sophisticated bombs and IEDs (e.g. metal detector, Non-linear Junction Detector, etc.)
- Equipped with a water gun disruptor to destroy an IED.
- Multiple IR illuminated cameras for both day and night operations.



Counter IED Equipment

Complete range of equipment for detection, disposal/destruction of improvised explosive devices





Solar Products for Security Forces



Solar Table Lamps and Homelights

For offices, isolated posts and detachments, patrols and as part of mobilisation stores



Solar Power Packs 50W onwards

For offices, barracks, quarter guards, cookhouses, dining halls and community halls



Solar UV Based RO Water Purifiers

Recommended Sizes;

- 100 litres per day (LPD) for a Section Post
- 200 LPD for a Platoon Post
- 500 LPD for a Coy Post



Solar and AC LED Based Security Lights

For distant posts, quarter guard, periphery security, ammunition dumps



AV-ENERGIES

Regd Office: Svy No 12/4/B, NandedGaon, Tal: Haveli, Pune-411041.
Corporate Office: G-203, Basement, Sector 63, Noida, UP, India – 201307.
Email: sales@av-energies.com

9212192824, 9873128610