



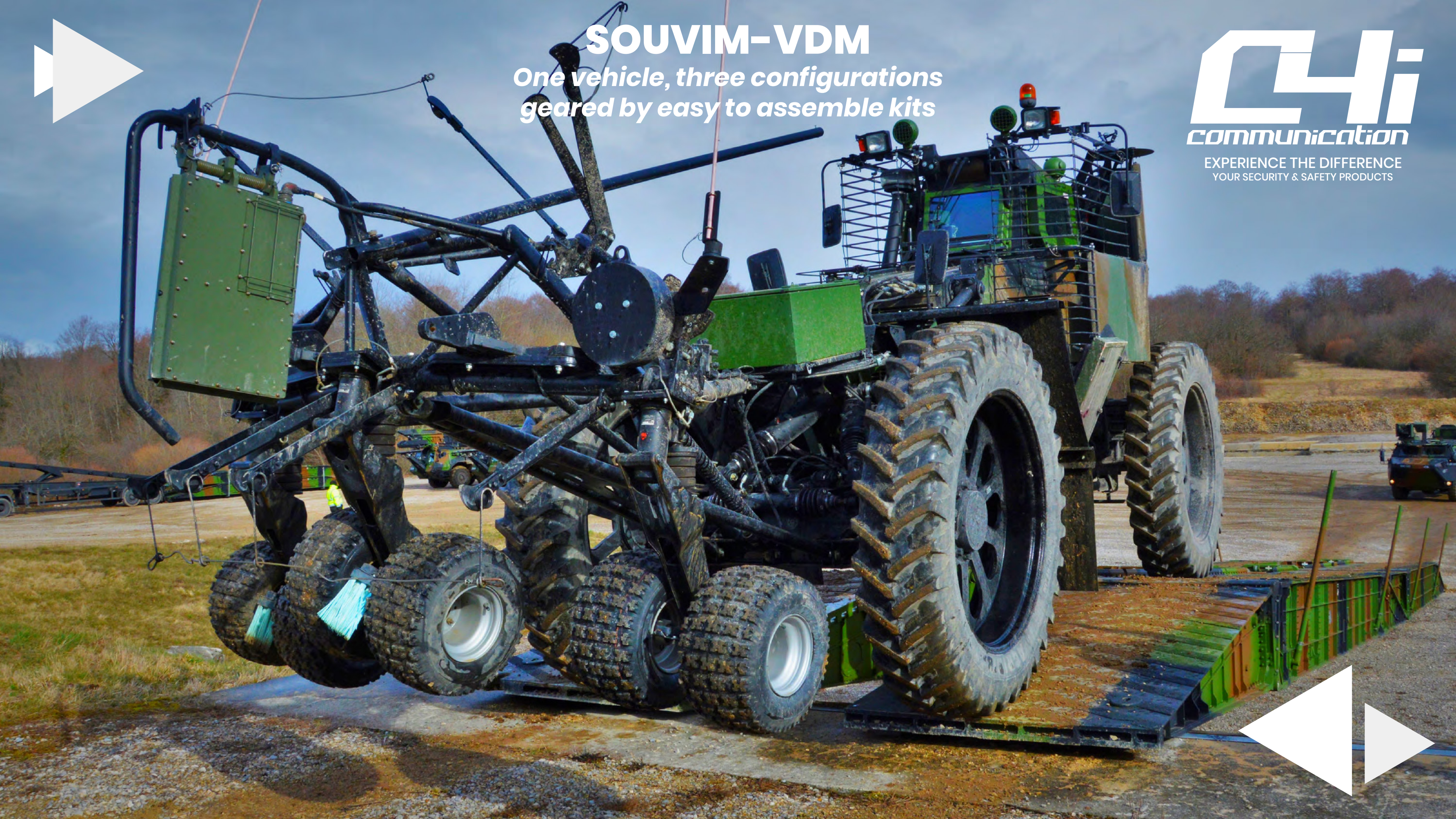
SOUVIM-VDM

*One vehicle, three configurations
geared by easy to assemble kits*

C4i

communication

EXPERIENCE THE DIFFERENCE
YOUR SECURITY & SAFETY PRODUCTS



CONCEPT



To face the ever-growing threats of IEDs endangering soldiers and civilians lives, we have dedicated our craftsmanship to the **design, manufacturing** and **support** of the SOUVIM-XP, a vehicle built to perform road clearing missions and detect IED threats of various kinds. Indeed, the base vehicle works as a platform upon which different kits can be attached to better **fit the mission's needs** according to the threat. This grants our vehicle **stupendous modularity, fast repairability** and **long term use**, while allowing for future technology upgrades.

CONCEPT



Armored central hull



Suspensions and drive axles

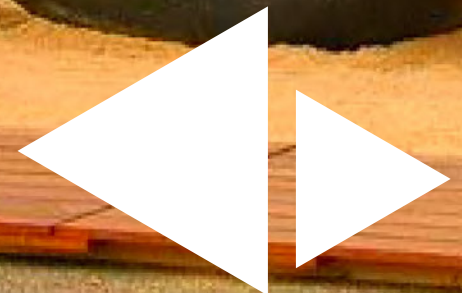


Stealth or standard tires

The SOUVIM-XP was built following a modular architecture meaning that each of the three parts shown left are independantly and easily repairable.

QUICK SPECS

- CE components
- Reliable brands
- Tough industrial products
- Easy to support
- Available spares
- ITAR Free



HULL



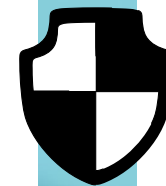
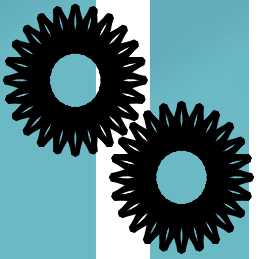
The hull is the starting point of all operations regarding the SOUVIM, insofar as it is the only element which connects all setups. We made it a truly safe haven for all the brave soldiers we entrust the lives of the many upon.

COMPONENTS

- German engine with cooling, air supply, exhaust & fuel tank (JP-8 compatible)
- Manual gearbox
- Steering system
- Hydraulics & pneumatics (generation, storage, distribution)
- Driver cockpit and MMI with AC
- Communications
- Auxiliary power generator

PROTECTION

- Armored steel (variable thickness)
- Ceramics added plates
- Anti-PG7 bar armor
- Armored windows



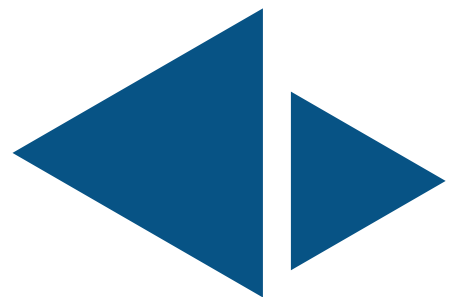
AXLES



Since the front and rear units were designed to be infinitely changed at will, we made sure the axles and suspensions were up to the task, hence why they're so easily replaceable.

The front and rear units are fixed with 4 bolting points with fuses to protect the driver in the event of a blast. Connections to the hull are also secure.

- Oleo pneumatic suspension jacks
- Single disc brake
- Full hydraulic steering
- All hydraulics with fast connection piping
- No drain required
- Industrial axles
- 2 fuse levels from hub to hull
- Light & small connecting rods to allow quick exchange

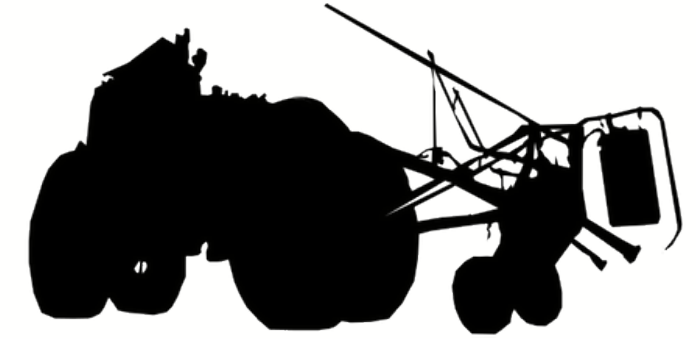


ADAPTABILITY

MISSION FOCUS & CONSTRAINTS

DECOYING FOR FAST ROUTE CLEARING

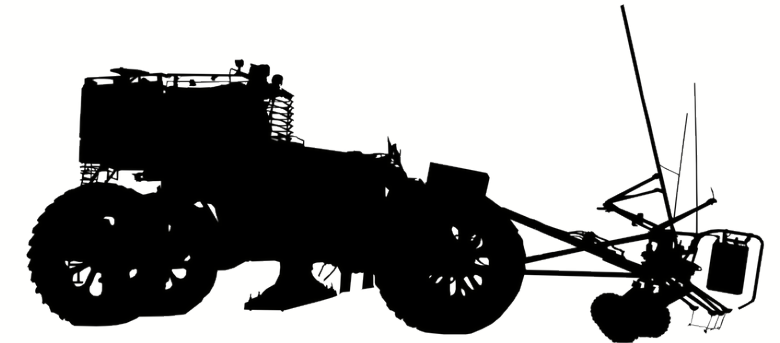
- High clearing speed (>30km/h)
- For all risk level, low density of threats



Mk. I setup

MIXING DECOY AND DETECTION

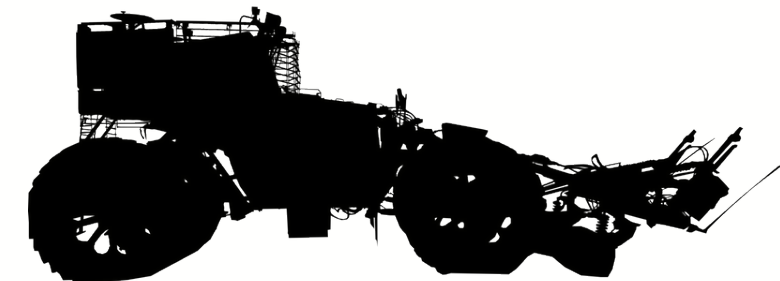
- Detection of quickly detected threats
- Decoying of others
- Compromise speed vs risk



Mk. II setup

DETECTING ALL THREATS ON HOT SPOTS

- Safety is paramount
- High threat probability
- Low speed accepted. (5 km/h)



Mk. III setup



Base



FRENCH PROCEEDINGS EXAMPLE

NOT HOT SPOT

>20km/h



Mk. II



Mk. III (GPR OFF)



Confirmation vehicle



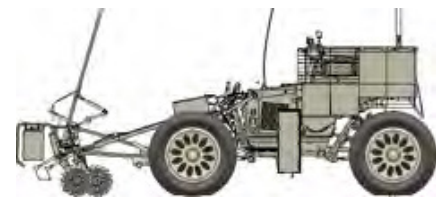
Engineers

HOT SPOT

<5km/h



Mk. III (GPR ON)



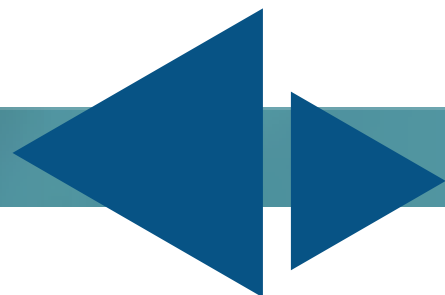
Mk. II



Confirmation vehicle



Engineers



LAST GEN GEAR

Mk. I

Mk I. PERKS



30 to
40KM/H

4M WIDTH
CLEAR

KITS AND SPECS

- Pushed trailer decoys set
- Heavy trailer decoy (1 to 3)
- Lane marking
- Low pressure tires
- Jammer



MK.I SPECS



PUSHED TRAILER DECOY

LOW PRESSURE TIRES

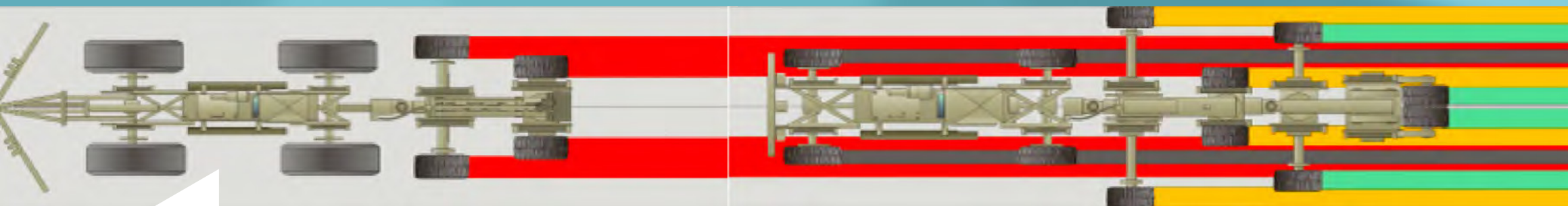
VLB CONFIGURATION

LANE MARKING

HEAVY TRAILED
DECOY RDM1

VTR CONFIGURATION

HEAVY TRAILED
DECOY RDM2 &
RDM3



This progressive lane clearing system ensures that no threat will be avoided in colored areas

We assembled the MK. I setup for one specific task: clearing mined paths at high speed using the decoy principle. Indeed, SOUVIM secures a 3.9m wide path for itself and the following group of countermining vehicles which carry spare parts in case a blast would cause damage up front. This setup can confront any type of IED threat whatsoever (anti tank, anti personnel), excluding RCIED threats.

LAST GEN GEAR

Mk II. PERKS



MULTI-TASK

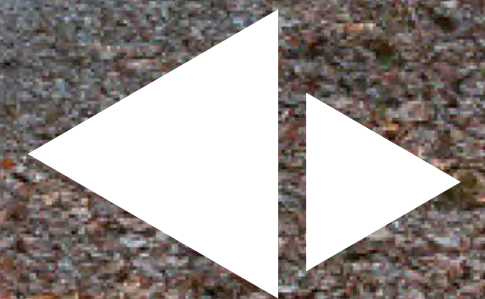


ROBUSTNESS

KITS AND SPECS

- Metal detector
- Pushed trailer decoy set (with IR)
- High protection (ceramic/PG-7)
- Jammer

Mk. II



MK. II SPECS



- Metal detection antennas width : 3m
- Ground clearance : 237mm
- Composite antennas and housings
- Metal detection antennas with marking system

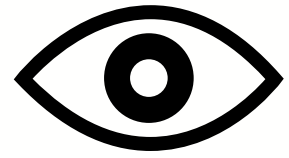
We picture the Mk. II setup as a hybrid version of the SOUVIM, allowing for both decoy and detection on mined roads. This is perfect for units that want the best of both worlds and desire to find a compromise between clearing speed and risk.

- Metal detection approaching danger level (yellow) or passing it (red)
- Added sound alarm
- Color spot sprayed on the ground, automatically or manually



Mk. II SPECS

Mk III. PERKS



COMPLETE
DETECTION



BEST GPR ON
MARKET

KITS AND SPECS

- GPR
- Metal detector
- High protection (ceramic/PG-7)
- Jammer

Mk. III



C4i
communication

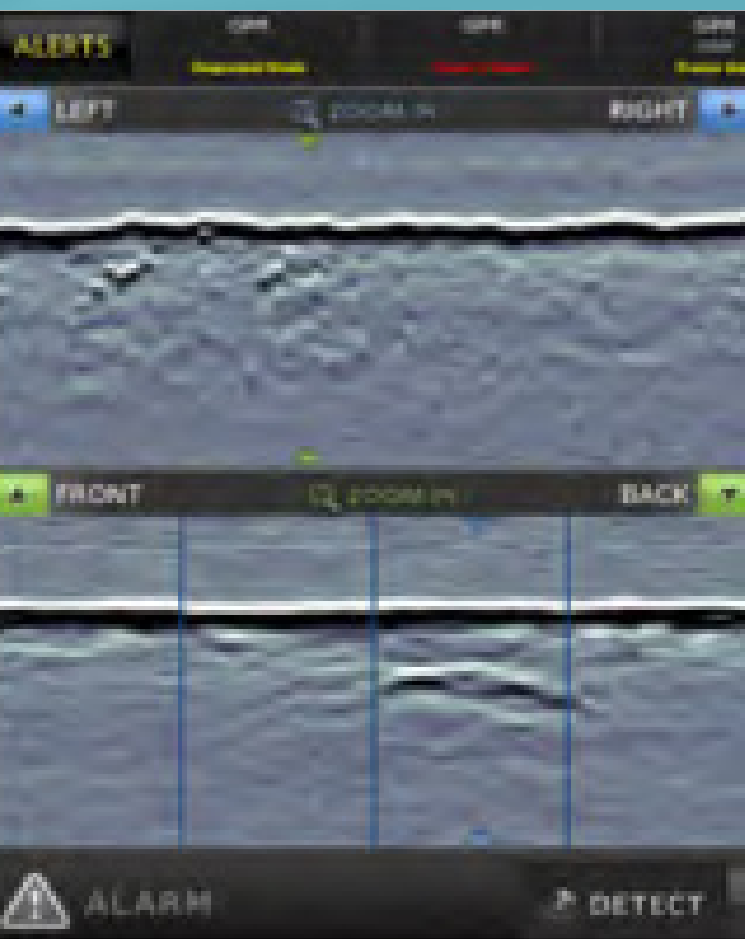
EXPERIENCE THE DIFFERENCE
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What makes the SOUVIM-VDM different from the rest of it's peers ?

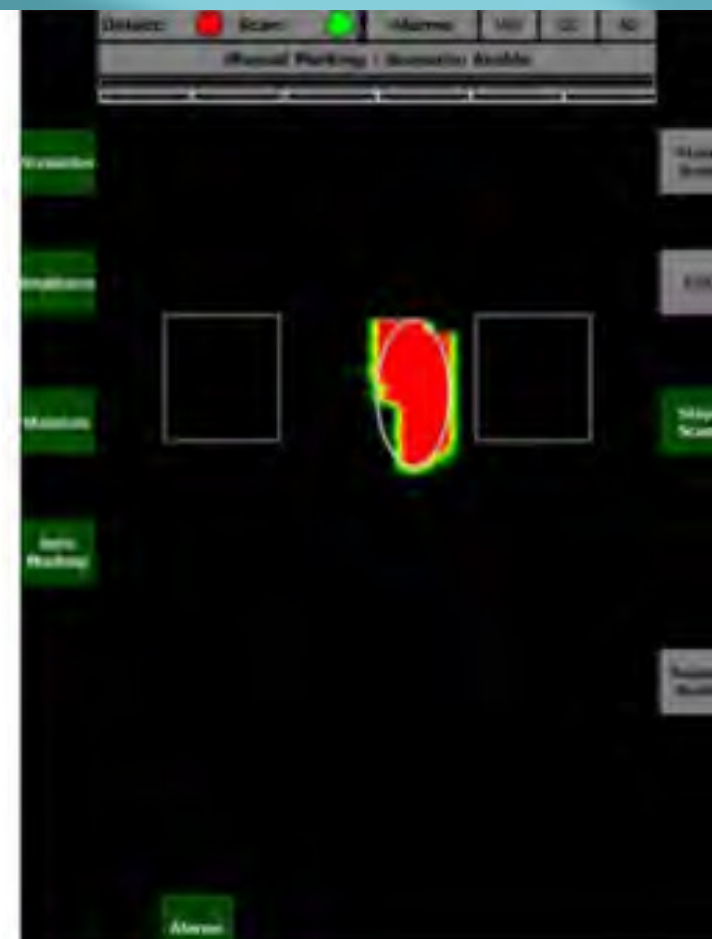
BETTER GPR

The Mk. III setup was designed to pace on hot spots and roads where danger is the highest. In these types of scenarios, the convoy is not concerned with speed but rather with safety to it's maximum degree.



1st GEN GPR

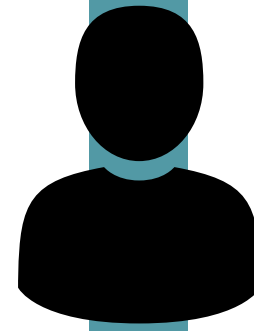
- Old version
- ITAR component
- Poorer display : vertical slices of the ground, changing as the vehicle moves ahead
- USA/South Africa made



OUR GPR

- Best GPR up to date
- Compact antennas : reduces weight and inertia, improves toughness and eases ground leveling
- User friendly MMI
- ITAR free
- Top view display with 8m map
- CE made

OPTIMAL PILOT SAFETY



ONE BEATS TWO

- Our GPR requires but one user thanks to its simplified and user friendly MMI
- Believing that blasts will never occur is a myth. Therefore, exposing one life instead of two is always better (as advocated by French Armed Forces and their 10 years expertise clearing IEDs in Sahel with 0 casualties using SOUVIM-XP)



THE HIGHER THE SAFER

- Higher hulls means lesser damage potential (4 times less damage dealt than to regular, ground level hulls)
- 40% tighter hulls amounts for less damage dealt to pilot



OVERALL PERKS



COMPARED TO REGULAR SYSTEMS...

- Better modularity, several kits
- Better metal detector
- Steel and ceramics armor
- Possibility to implement newer technologies
- No CTIS needed means more durable tires and less maintenance

