

## DEFENCE

# DynaSEALR X12-VMR



## Performance features

DynaSEALR X12 mounted on a vehicle forms a heavy first response system.

Remotely operated opening and closing, pressurizing and decompressing of seals.

Rated explosive capacity of 8 kg TNT-equivalent.

Gas-tight with total containment of chemical and biological agents as well as the effects from explosions and toxic materials, such as shock wave and light fragments.

Optional extra equipment: manipulator arm, vision system, and either heating or fragment shield. Gas sampling equipment, decontamination equipment on separate trailer.

## Gas-tight protection

Use the DynaSEALR X12-VMR as a first response vehicle to collect personnel and equipment in one unit and quickly get close to identified dangerous objects.

Equip the vehicle with further protection equipment (not included), e.g. protection clothes and EOD robot, to make sure everything needed is available in a difficult situation.

Once a suspected toxic or explosive threat is present, the unit can drive to the threat location, deploy and perform suitable procedures for finding, identifying and collecting suspect items, bombs, etc.

If the decision is to bring the suspect item from the threat location, an EOD robot can pick up the item and bring it to the vehicle, place the item in the containment vessel and then secure the threat by closing the vessel.

The vessel is remotely operated. The operators panel is wirelessly connected to the control cabinet. Add the optional vision system to get full usage of the remote range, enabling you to be positioned up to 600 m (free line of sight) from the vessel during loading and unloading. There is also a backup possibility to use a 50 m cable available.

## Available options *not included in the standard version*

- Remote controlled manipulator arm for loading and unloading.
- Vision system to support the remote control.
- Separate gas sampling equipment to take air samples out of the closed DynaSEALR.
- Decontamination equipment on a separate trailer, to treat contamination inside the closed vessel.

### **And either heating OR fragment shield:**

- Fragment shield to protect against fragmentation bombs.
- Heating system, capable to heat the loading tray to approximately 350°C. This will cause explosives to burn, deflagrate or detonate.

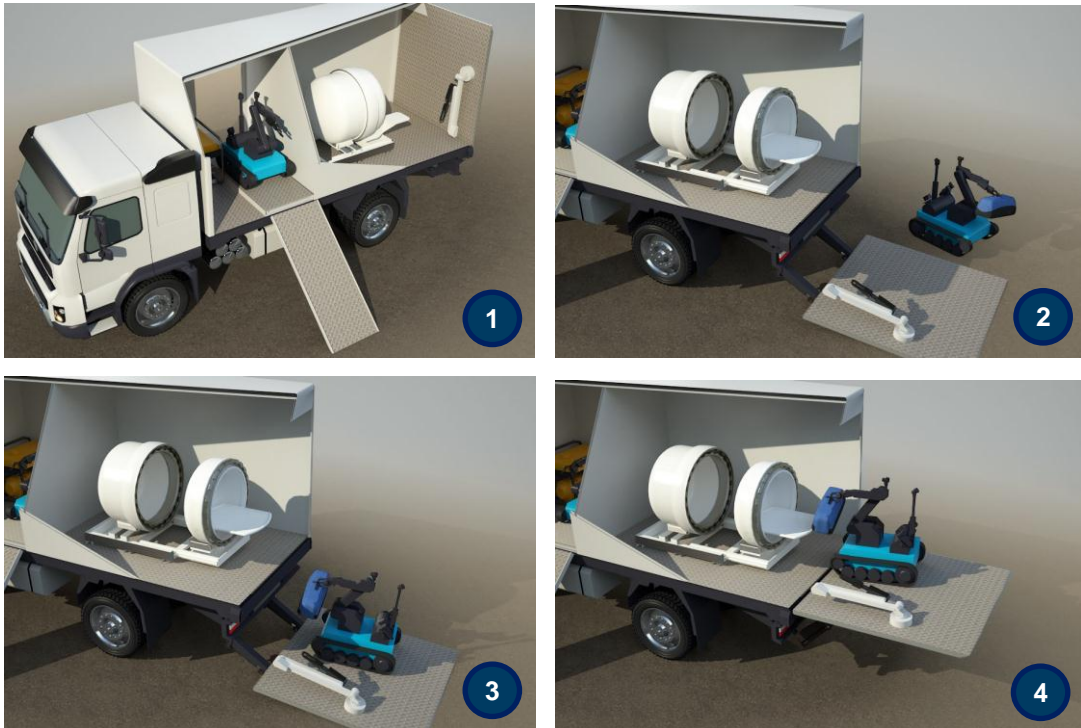
## Technical characteristics

Characteristic	Value	Condition/Comment
<b>Explosion capacity</b>		
Rated explosion capacity	8 kg TNTeq	
<b>Weight and dimensions</b>		
Operating weight	~ 18 tons	
Width	2550 mm	Equals 100.4 inch
Max height	4000 mm	Equals 157.5 inch
Length, taillift raised	8700 mm	Equals 342.5 inch
Length, taillift lowered	11250 mm	Equals 442.9 inch
<b>Loaded object</b>		
Maximum size of loaded object (LxWxH)	800 x 800 x 650 mm	31.5 x 31.5 x 25.6 inch (less with heating)
Maximum weight of loaded object	70 kg	Manipulator arm capacity, at 3 m outreach
Loading height	~ 2200 mm	86.6 inch, from ground to loading tray
<b>Vehicle</b>		
Volvo FMV truck 4x4, 400 hp		Control room built in behind the chairs

Note: All technical data is indicative only. The final numbers will be shown on the drawing.

### Scenario visualisation, with optional manipulator arm shown, and EOD robot (not included) in action

- 1) The vehicle is deployed near the threat.
- 2) The doors are opened, the vessel is opened and the robot is unloaded.
- 3) The robot brings the suspect item and drives up on the lowered platform.
- 4) The platform is raised and the item is loaded into the MECV.



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