SEMAWORLD NEW EOD BAG:
A REVOLUTIONARY SOLUTION FOR MODERN EXPLOSIVE ORDNANCE DISPOSAL

INTRODUCTION: MEETING THE DEMANDS OF EOD OPERATIONS

Explosive Ordnance Disposal (EOD) operations demand specialized equipment, meticulous planning, and an unwavering commitment to safety. Whether responding to a suspected explosive device, assessing a suspicious object, or supporting a controlled disposal operation, EOD teams rely on equipment that meets their operational requirements and performs reliably in demanding environments.

Every piece of equipment must be practical, reliable, and suited to the professionals who depend on it. Before being introduced into service, it must also be assessed against established operational requirements to ensure its suitability for its intended application.

PRODUCT DEVELOPMENT: SHAPED BY OPERATIONAL REQUIREMENTS

The new Semaworld EOD Bag was developed to address these challenges. Through a development and evaluation process involving Australian police, the bag was assessed for its suitability for professional EOD applications. Following a successful evaluation, it was selected to replace older equipment previously used by the police organization involved.

This development marks an important step in the evolution of practical support equipment for specialist teams. It highlights the value of listening to operational users, translating their requirements into a purpose-designed product, and evaluating the result against the expectations of its intended users.

Even relatively small design considerations can have a meaningful impact on the user experience. Handling, portability, efficiency, and compatibility with established procedures can all influence whether a product is suitable for operational adoption.

The Semaworld EOD Bag reflects a straightforward principle: specialist professionals need equipment designed around their real-world requirements, rather than having to adapt their working methods to the limitations of outdated solutions.

Its development involved a process of evaluation, modification, and further testing, with the objective of meeting the client's expectations. This process highlights the importance of continuous refinement and user feedback in the development of specialist equipment.





TECHNICAL CHARACTERISTICS

Dimensions	*Length*	*Width*	*Height*	*Weight*	*QR Code*
Internal Box	0.98 ft 30 cm	0.56 ft 17 cm	0.59 ft 18 cm	53 lb 24 Kg	
External Bag	1.90 ft 58 cm	0.79 ft 24 cm	0.92 ft 28 cm		
Overall Height (hand protection included)			2.30 ft 70 cm	56.8 lb 25.77 Kg	
STANAG 2920 – 1.1102g V50 > 700 m/s					

KEY FEATURES AND DESIGN BENEFITS

Patented by Semaworld, the EOD Bag is designed for explosive ordnance disposal units tasked with handling and evacuating explosive devices and suspicious objects.

Intended for use by specialist teams across police forces, military units, and civilian organizations, the EOD Bag is designed to help contain the effects of an explosion, including fragmentation, thereby providing an additional layer of protection for personnel carrying it.

Constructed using multilayer composite fibres engineered for high mechanical strength, the EOD Bag offers the following features:

- Shockwave absorption capability
- Fragment containment
- Enhanced protection for operators and the immediate surroundings
- Compatibility with X-ray inspection of the suspicious object inside
- A design suitable for use with robotic systems
- Hand protection for operators

Its ergonomic design is intended to facilitate rapid deployment and straightforward handling in demanding operational environments.

The EOD Bag is designed to support established EOD safety procedures, counterterrorism operations, and missions involving the protection of sensitive infrastructure.









TESTING AND EVALUATION: A CRITICAL STEP TOWARDS OPERATIONAL ADOPTION

For specialist EOD equipment, successful product development is only one part of the process. Testing and evaluation are equally important in determining whether a product is suitable for its intended application.

A product may show promise during the design and manufacturing stages, but its suitability must ultimately be assessed against the operational requirements and evaluation criteria established for its intended use.

Testing provides an opportunity to assess the product against these criteria and determine whether it meets the expectations of the professionals who will use it.

The Semaworld EOD Bag was developed and tested in collaboration with Australian police. Following a successful evaluation, during which no blast damage or fragmentation was observed on the panels positioned at 2, 3, and 5 meters, the EOD Bag was selected to replace the equipment previously used by the organization involved.



SEMAWORLD: A USER-FOCUSED APPROACH TO SPECIALIST EQUIPMENT

The development of the Semaworld EOD Bag illustrates the importance of aligning product design with the practical needs of professional users.

Specialist equipment must do more than meet design brief. It must be appropriate for its intended application and capable of meeting the requirements against which it will be assessed.

Several police forces have already equipped themselves with the EOD Bag. For Semaworld, this milestone provides a foundation for introducing the product to a wider audience of specialist users and procurement organizations seeking equipment designed around the practical demands of their work.

By placing operational requirements and user feedback at the centre of product development, Semaworld demonstrates its commitment to developing specialist equipment that responds to the needs of the professionals who rely on it. ■

ABOUT SEMAWORLD

Leader in blast and ballistic containment solutions against C-IEDs, HB-IEDs, and VB-IEDs for both public and private sectors, SEMAWORLD is a French company renowned globally and committed to providing sustainable solutions in the fields of security, safety, and protection against terrorist threats worldwide.

Website: www.semaworld.com
E-mail: contact@semaworld.com
Telephone: +33 (0)1 47 81 95 21
Address: 9 rue de Lens
92000 Nanterre, France

SEMA WORLD
COUNTER TERRORISM SAFETY SECURITY

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