



INMM **BIO**ISOLATION



What is INMM®: Bio Isolation Eco-System

INMM® Bio Isolation Eco-System will provide a seamless, highly controlled care pathway for patients with high consequence infectious diseases. **INMM®** can provide proven, agile, high grade, bio-isolation capabilities for the air, land and sea integrated within an electronic ecosystem.

This unique and innovative benefit is a proven, patient triage, monitoring and electronic coordination system with containment space and clinical monitoring. As an ecosystem these capabilities provide an unparalleled synergy to improve patient outcomes by combining outstanding bio-isolation with enhanced clinical and organisational control.

Innovation in Healthcare assistance

Innovative research and development projects, along with existing patents



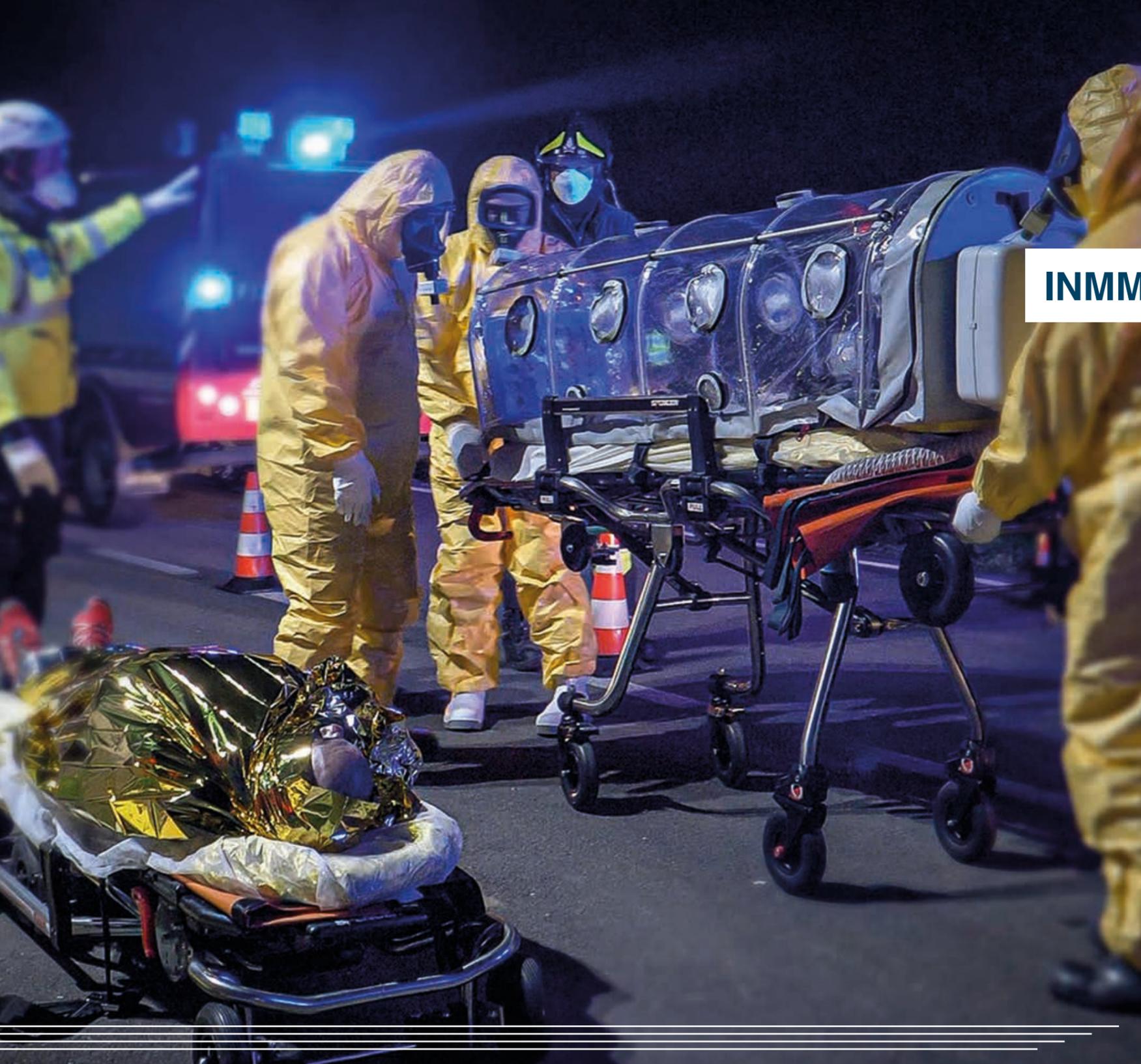
Registered NATO supplier



Training Facilities for up to 100 scholars

Continuous and stringent testing on field before release





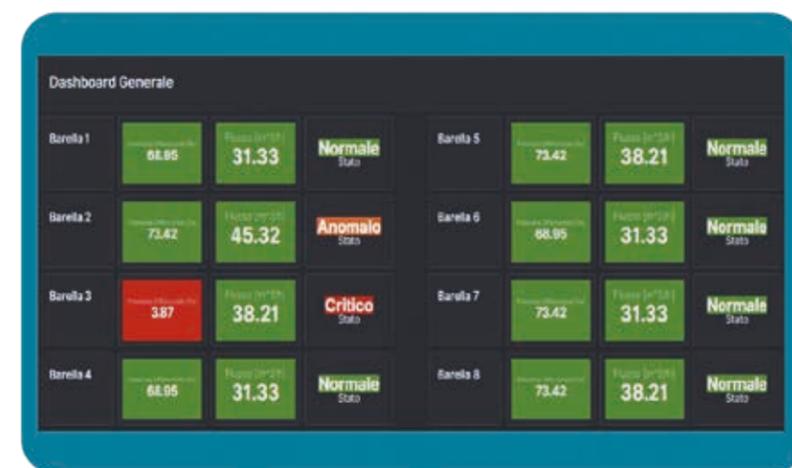
INMM® Bio Isolation

A wide range of innovative bio-isolation products can be rapidly deployed providing a safe, seamless service for patient and staff in any situation.

The technology is designed and customised in Italy for biocontainment. In both emergency and care settings, it helps with maintaining control over the risk of cross-contamination, in fact, patients are fully isolated and the staff are guided to change the PPE at each access-point via the Airlock. Medical monitoring equipment can be kept outside.

All equipment is remotely controlled on site with SAI BIO System to track bio-isolators within ambulances whilst in transit.

This monitors the crucial elements of the system, including the batteries and filters. Information collected by the sensors are sent to the Control Room to ensure the ambulance can finish its mission without problems.





Bio-Avio Stretcher (BAS)

The bio-containment system N 36, upgraded with a specific AVIO kit, facilitates the Avio transportation of patients infected by COVID-19. It is equipped with its own negative pressure filtration system, to provide maximum protection and operational safety for both the contaminated person or item and the crew and medical staff. It guarantees multiplatform transport and transfer (land-air, sea) and was EASA certified in July 2021.

The integration of bio-isolation information systems and communications system enables the rapid recording of patient details and location, while checking safety and security of assets.

Assisted with artificial intelligence, it incorporates treatment guidelines that prompt the desired sequence and interventions for clinical management even when communications are off line.

The data is shared with the evacuation asset and coordination centres.



Evacuation Assets – Helicopters and Aircrafts

Bioshell

Bioshell provides an isolated environment in a room or vehicle or stretcher, car, bus or aircraft. Up to 4 seats can be included into the bioisolation volume on business jets dedicated to EMS services. The structure is manufactured in aeronautical aluminium and the airworthiness is guaranteed by a certification process ongoing for military use.

Biopallet

A new development to provide a palletised module for aircraft based on standard NATO pallets with 4 seats in bio-isolation, where stretchers are not required. This is well suited to the transportation of asymptomatic patients. Possibility of multiple installations on same aircraft or helicopter.





Evacuation Assets – Vehicles

Special rescue vehicle equipped with a biocontainment chamber, specifically designed to isolate and safely transport highly infectious patients to a suitable healthcare facility for their treatment.

- Bio Car
- Bio Van (9-20 seats)
- Bio Bus (50 seats)





Patient treatments

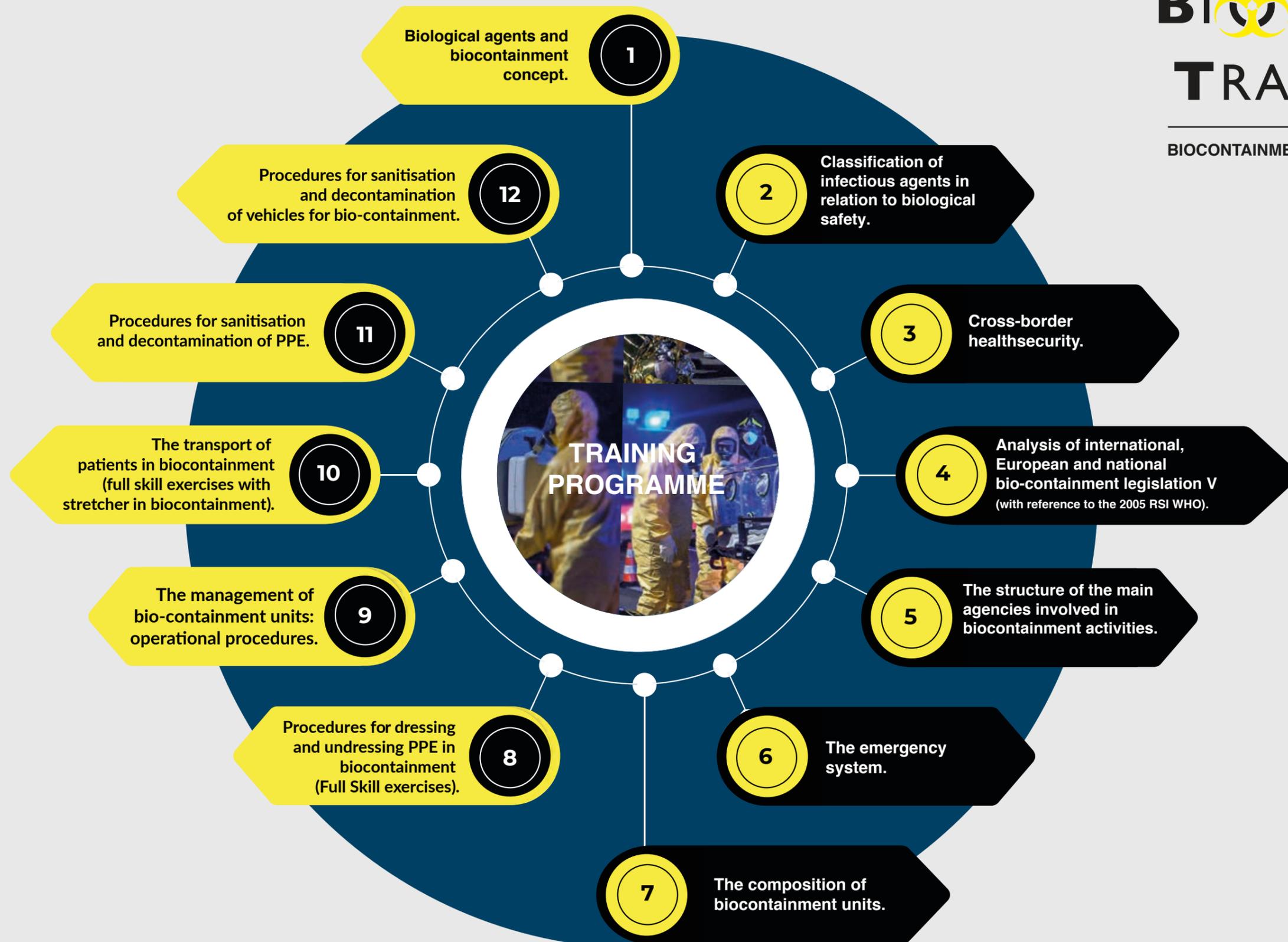
Bio Hub

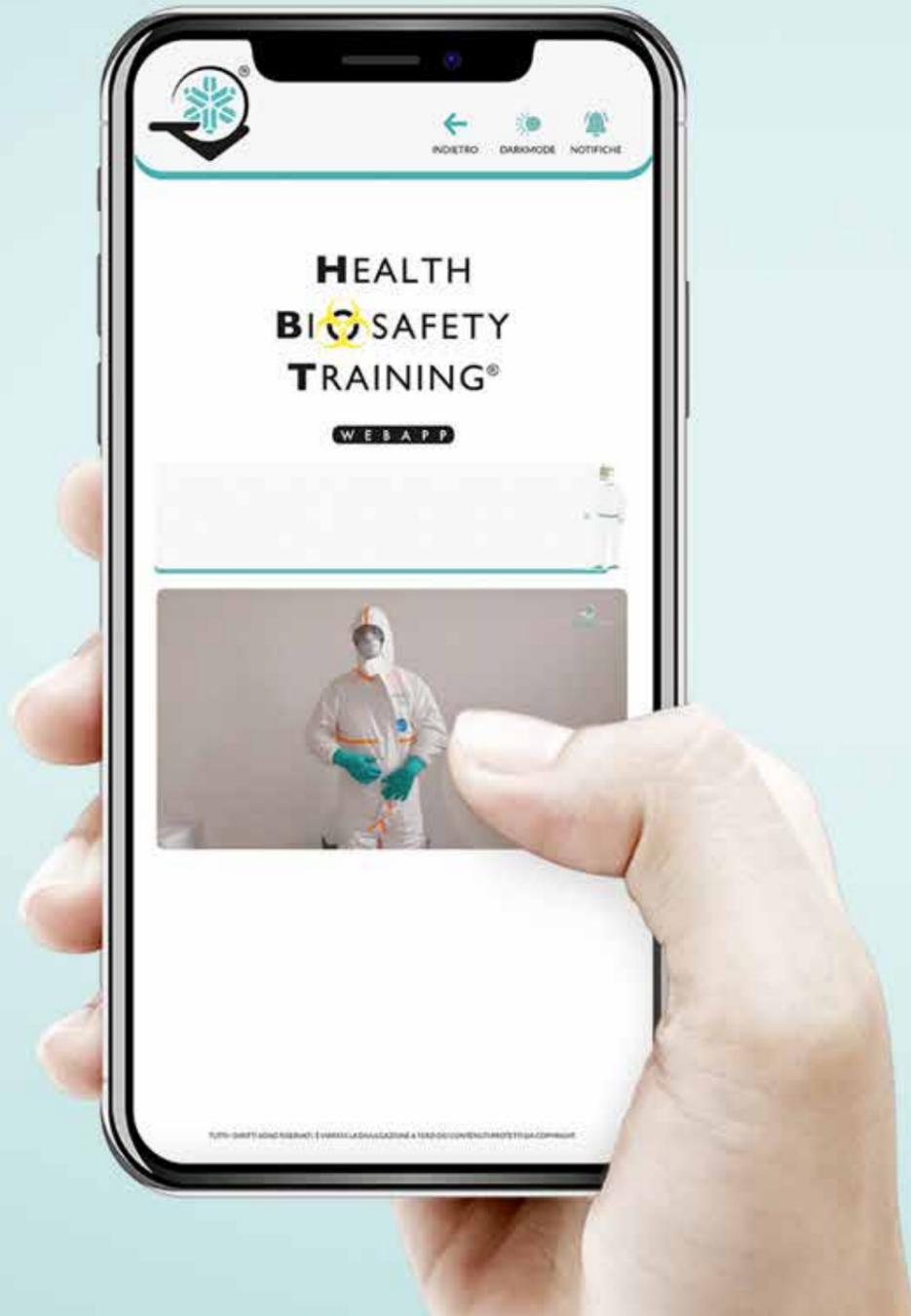
Containment system for the initial or suspicious epidemic phases, with the capacity to protect the assistance operators and the surrounding community. It comes equipped with an internal compartment structure that could provide logistical decision support to operations.

Chambers

The patient with infectious disease or who must be protected from the risk of infection as in the case of immunodeficiencies, can be safely and methodically managed thanks to the devices, both in the emergency phase and during hospitalisation.







HEALTH BIOSAFETY TRAINING WEBAPP

- Security** patient management
- Surety** functioning in critical and complicated conditions
- Safety** protection of operators

- E-learning training simultaneously supports  **7,000 users**
- The web app provides videos and photos for training on the use of the system and the correct dressing and undressing methods on different levels of biological threat
- Management in real time.
- Help desk for assistance or in-depth analysis



INMM BIOISOLATION

What makes INMM® Bio-isolation different is:

Mature Evergreen Capabilities

The products are certified to the highest standards clinically, for safety and for cyber security.

All products have a sound foundation of academic engagement with leading universities and sector leaders in defence and health services. We are constantly improving systems and developing new and complimentary parts of the Bio Isolation eco-system.

Operationally Tried and Tested

Unlike many in this field INMM products are in daily use. Both the bio-isolation and digital systems are in daily use with the Italian Navy, Red Cross and Health Services.

Monitoring of Bio-Isolation

The close monitoring of the systems themselves for battery life, whether an ambulance can sustain the patient during transit and the transmission of this information to a central control who supports the ambulance crew. This monitoring takes place in all environments e.g. hospital.

Enhanced Situational Awareness and Decision Support

INMM digital systems provide situational awareness at all levels with big impacts for example so the ED lead can brief prepare and calm their team.

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