

# RESCEU CBRN STOCKPILE - FR >>



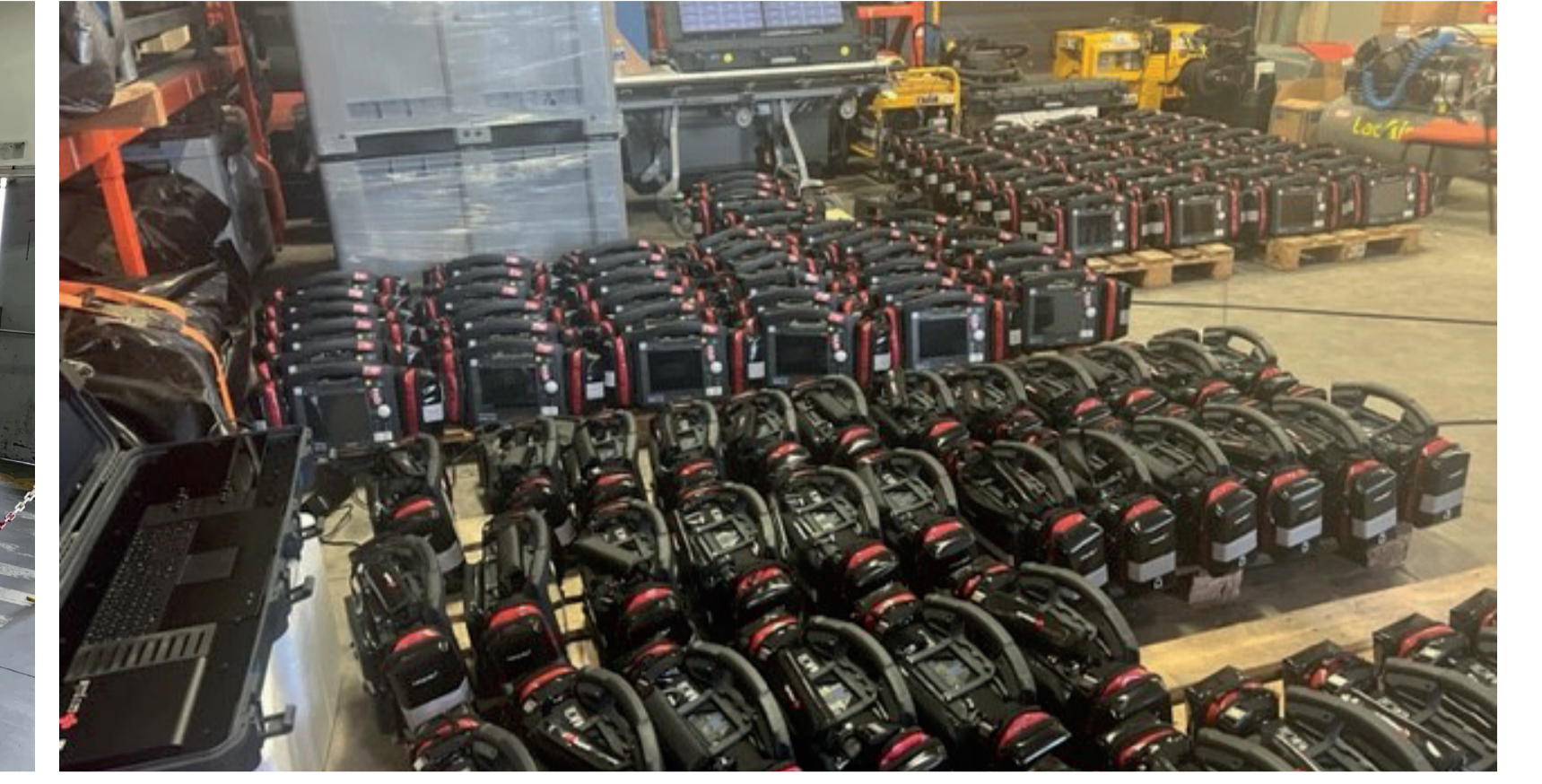
Pallet box ambient storage



RescEU cold-storage rooms



Freezers -70°



Medical monitoring equipment

## 3 PILLARS COORDINATED BY THE GENERAL HEALTH DIRECTORATE:

### FIELD MEDICINE



### HOSPITAL



### NON-MEDICAL CBRN PPE



## >> CBRN HOSPITAL Resources

### FRENCH EMERGENCY MEDICAL SERVICE – AP-HP



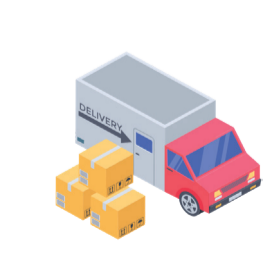
#### EXPERTISE

- Management of exceptional health situations based on the concept of Mobile Medical Units (MMU): an operational turnkey solution, 24hrs - 7/7.
- Enhanced potential for French emergency medical interventions, both inside and outside hospitals >> capacity to provide care for thousands of patients affected by an exceptional health situation.
- The MMU** comprises health products and medical and biomedical equipment. It is regularly updated to ensure it is compliant with international recommendations and able to adapt to new types of threat.
- MMUs have been used many times in France (Bastia, Toulouse, Perpignan, Covid-19 crisis, etc.) and abroad (Honduras, El Salvador, Pakistan, Haiti, Syria, Lebanon, Armenia, Equatorial Guinea, Ukraine, etc.).



#### VERSATILE AND ADAPTABLE

- Organisation of the French MMUs at European scale:** health products (medication, antidotes, medical devices, small medical, surgical and biomedical equipment) providing back-up for hospitals, inter-hospital patient transfers and victims of large-scale CBRN-type exceptional health situations.
- How?** The expertise of the doctors, pharmacists, nurses and logisticians at the French ambulance service makes it possible to:
  - Transpose and adapt French MMUs for RescEU reserves;
  - Establish 3 equivalent reserves (of medication, biomedical materials, antidotes and vaccines) that can be made available on 3 different sites to enable medical teams to provide care for traumatised, contaminated and/or intoxicated patients;
  - Maintain the reserves in permanent operational condition;
  - Ensure optimum levels of environmental quality.



#### RAPID AVAILABILITY

- 24hr - 7/7 >> High operational capacity ensured through daily management, servicing and maintenance by trained and qualified medical and paramedical staff.

## AP-HP'S AGENCY FOR HEALTH EQUIPMENT AND PRODUCTS IS AT THE HEART OF THE SCHEME

### SUPPLY

Within the 6 months following the notification of European funds for the RescEU project, **277 product lines** were analysed and processed in record time, enabling 83% of the target stockpile to be delivered.

For the products that were not available, or those only available in insufficient quantities, the teams fell back on their expertise and took some unprecedented initiatives in terms of technical purchases. They participated in a European consortium, negotiated contracts that, combined with the import requests linked to the ANSM, established a dynamic acquisition system for antibiotics in short supply, etc., and were able to negotiate reasonable prices to constitute this strategic stockpile.

### LOGISTICS

The logistics of the project have been carefully studied to ensure that sufficient quantities of products are always available to provide care for several thousand patients in a crisis situation. The reserves of medication and medical devices can be distributed in thirds. A third can be separated from the main stockpile to form two parallel distribution circuits. Another reserve, mainly comprising vaccines and diagnostic tests, can be prepared on request, on a product-by-product basis. All batches are packaged in sealed "pallet boxes", some of which are isothermal, or on standard pallets. These can be easily transported and identified and include a temperature control probe. A dedicated team is responsible for the physical maintenance of the stockpile (expiry dates, supply pressures, health alerts) with computer tracking. Specific installations have been set up for cold or frozen products. The security of the different storage facilities has been reinforced.

### SUSTAINABLE MANAGEMENT

In the interests of sustainably managing the health products, these are transferred to the AP-HP consumption circuits before they expire. When there are too many products to be used by this medical establishment, the possibility of humanitarian donations is considered. The products approaching their expiry date that are recirculated into the hospital system or donated are then replaced in the European stockpile. The stockpile will therefore be maintained in operational condition for the 3 years of the project. The system for releasing the stockpiles is based on the AP-HP's normal alert system and adapted to the specific procedures of the project.

This project is ambitious both in terms of the quantities of products made available and the very short timeframes for their use. The teams have been widely implicated and are proud of having risen to the challenge to improve the health security of our fellow European citizens.