



**On Milipol - November 14-17, 2023**  
International event for homeland security and safety  
**DEMGY Group unveils SHAP: its explosive ordnance disposal  
system for indoor use**



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**Press release - Saint-Aubin-sur-Gaillon, November 10 2023**

***DEMGY Group, a French industrial company, designs and manufactures high-performance plastic and composite solutions. DEMGY Group is one of the major players in the Defense sector. DEMGY Normandie is extending its activities to the Homeland Security market. A world where innovation, reliability and rigor are essential to the design of cutting-edge solutions such as the new SHAP product range. SHAP is an Improvised Explosive Device (IED) neutralization device made 100% in France.***

## SHAP (Safe, Hydraulic, Anti-IED, Puncher) device presentation

Already in service in France and abroad, SHAP is designed for two uses:

- dismantling Improvised Explosive Devices (IEDs);
- training demining teams.

This single-use device neutralizes all explosives or suspected explosives (packages, booby-trapped or suspect objects), both indoors in confined spaces and outdoors in urban environments. SHAP, a technologically advanced system, can also be used indoors.

Remote triggering guarantees user safety. It can be used by defense EOD (Explosive Ordnance Disposal) teams, civil security deminers and the Laboratoire Central de la Préfecture de Police (L.C.P.P.).



*"The SHAP system offers greater safety on two levels. Firstly, at the point of use: the shockwave produced by the system is focused on the parcel or luggage to be neutralized, and its detonation is dampened, thus avoiding collateral damage. This makes SHAP particularly interesting for use in confined spaces such as subway trains or buses.*

*SHAP also provides additional safety for deminers, who have to place the explosive charge in the system at the last moment. All the time SHAP is being transported to its place of use, the system is harmless because it is uncharged. These two features make SHAP a unique and innovative product in its sector",* explains Nicolas Jacquemin, General Manager of DEMGY Normandie.

SHAP is available in a complete range, to cope with any type of suspected explosive hazard.

- SHAP Standard for handling small and medium-sized parcels or luggage
- SHAP Perfo for metal objects, gas cylinders and fire extinguishers
- SHAP Super for large parcels (over 80 liters) and vehicle interiors
- SHAP Super GL (liquid or gel explosive) for large packages (over 80 liters) and vehicle interiors
- SHAP Kit Effrac for opening doors

## SHAP is a 100% French product...

SHAP is a 100% made in France product, with all components manufactured by DEMGY Normandie.

## ...and ultra-light

DEMGY's DNA has always been based on lightness, and SHAP has been designed to be an ultra-light anti-IED device. SHAP is therefore easy to store and transport anywhere.

## SHAP benefits from numerous technological advantages.

- Device delivered inert (transport and storage without special standards)
- User-adjustable explosive power
- Quick to use and easy to install
- No flame, no smoke
- Extremely reduced blast effects



*"Within the DEMGY Group, we are always keen to develop new and innovative solutions thanks to our expertise in the plastics industry. With SHAP by DEMGY, we are proud to bring a French solution to security services in the field of mine clearance and neutralization of suspicious packages",* explains Jean-Luc Rabiller, DEMGY Group Business Manager.



SHAP joins the Protectiv product range launched by DEMGY Group in 2020. SHAP's production is also in line with DEMGY Group's TOGETHER 2025 strategy, which includes the development of products designed in full ownership by DEMGY Group.

## A look back at the genesis of SHAP.

The SHAP device was invented by Dominique Saunier, a Gendarme and professional security soldier, who has been a mine-clearing instructor from 1970 to the present day. He came up with the idea for SHAP during his assignment to the EOD (Explosive Ordnance Disposal) Task Force. This activity led Dominique Saunier to use a "Beaulon water cannon" to neutralize explosive devices. Noting the limitations and disadvantages of this system used by the Direction Générale de l'Armement (intense noise, unsuitable for neutralizing large containers, flames and smoke making it impossible to use in confined spaces), Dominique Saunier came up with the SHAP system.

### In 2009, Dominique Saunier joined forces with :

- Jean-Luc Fouco, engineer and CEO of the plastic processing company Plastoniva, to create the injection molds for SHAP's component parts;
- Vincent Truong, Plastoniva's plastics engineer, to create the SHAP models, organize the tests and develop the first sales of the device.

### In 2010, a patent was filed with INPI.

In the immediate aftermath, the first demonstrations were organized for the French authorities, and the first sales were made to the French Army, followed by international sales to the Thai Army.

In 2010, Platinova, holder of the SHAP patent, was bought out by the Effiplast plastics group, which continued to produce and sell 4 models of the SHAP device until 2019, but was ultimately not interested in developing sales. This is why the DEMGY Group became interested in this product range, in line with the development of its strategic markets.

In 2023, DEMGY Group acquired the patent - valid until 2030 - and thus became 100% owner of the product range (which will continue to evolve and develop) and of the brand SHAP.

*"When Dominique Saunier presented me with the SHAP concept, I was seduced by its innovative nature and decided to apply for a patent. Today, it's a great satisfaction to know that a French industrial company like DEMGY, innovative and focused on commercial development in France and abroad, can develop this product from a technical point of view", declares Jean-Luc Fouco.*

### About DEMGY:

Founded in 1947, DEMGY, an innovative plastics technology group, designs and manufactures high-performance plastic and composite solutions that are lighter than metal, to promote energy savings in sectors with a high carbon footprint.

In 2023, its Multiplasturgy® concept, a one-stop shop for its 14 areas of expertise, will become circular: circular Multiplasturgy®. A new cycle begins thanks to eco-design, which enables upstream management of production end-of-life and recyclability.

The Normandy-based Group has five sites in France, including its head office in St-Aubin-sur-Gaillon (27), two in Germany, two in Romania, one in the United States and 3 R&D centers.

In 2023, DEMGY Group will generate sales of 97 million euros, 7% of which was invested in R&D and capital expenditure. DEMGY today employs more than 800 people.



DEMGY Group is a member of the Coq Vert community, a group of managers who are convinced of the need to act and who are already committed to the ecological and energy transition.



DEMGY is an ambassador member of the French Fab.

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