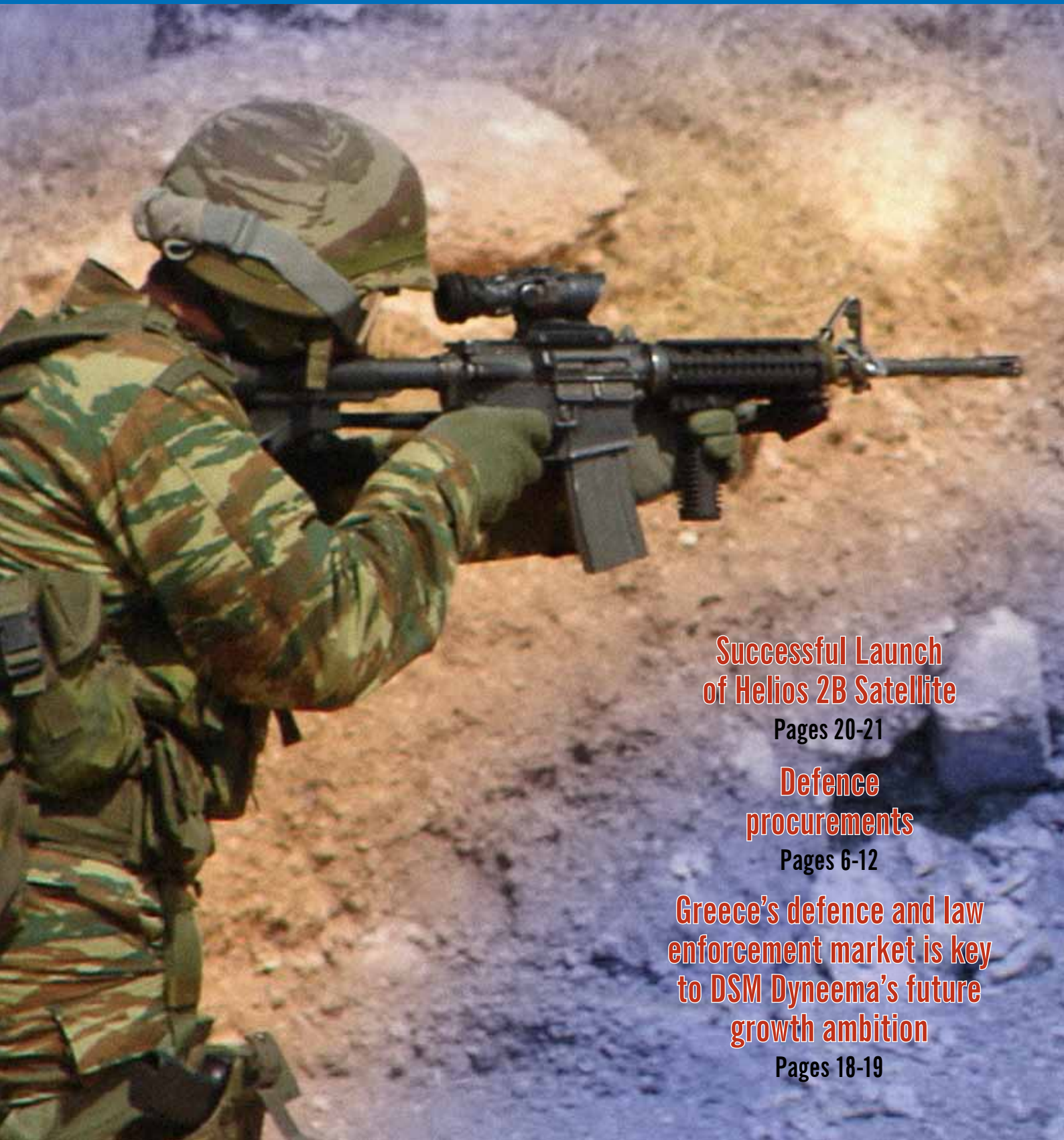


# Greek Defence News

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## DSM Dyneema Delivers Spartan-level Protection for Hellenic Police

As part of a drive to upgrade protection levels for Greek police, army and security personnel, 1,500 new vests made with Dyneema® SB21 have been put into use by the first-response special units of the Greek police force. Ballistic protection performance levels of the vests have been validated by an accredited independent test-laboratory. And exceed the test-performance requirements stipulated by the Greek authorities. The latest development reflects the growing demand for Dyneema® with Greek protective clothing manufactures and security forces, as lighter, more comfortable and higher-protection vests are being specified to replace existing equipment. Dyneema® SB21 delivers exceptional performance on multi-hit, angle and edge

shot protection. It allows vests to be made that are more comfortable for the wearer, affording more manoeuvrability for soldiers and police officers. It is highly durable, and has excellent water, UV, chemical and abrasion resistance. The vests in use by the Greek police units conform to NIJ level IIIA vests, particularly performing against a 9 mm parabellum full metal steel jacket, and magnum bullets while being lighter weight compared to typical aramid vests for the same protection levels.

The vests made with Dyneema® performed better when compared to other materials on water and UV resistance and were also more comfortable to wear thanks to the lower weight.

ΑΣΤΥΝΟΜΙΑ  
POLICE

# Greece's defence and law enforcement market is key to DSM Dyneema's future growth ambition

## Interview with Mr. Dirk Louwers, Marketing Manager, Personal Protection, DSM Dyneema BV

**DSM Dyneema is the inventor and manufacturer of Dyneema®, the world's strongest fiber™. Which are the main applications in the military and homeland security sector?**

DSM Dyneema is part of Royal DSM NV, a company on the Amsterdam Stock Exchange (AEX), and very well known for its innovation track record. DSM Dyneema is the inventor, and manufacturer of Dyneema® fibre, and Dyneema® UD material. Dyneema® is used in a range of market segments where the combined properties of strength, durability, lowest weight, and reliability are key. The Dyneema® has applications in military, law enforcement and civil markets, and used in both body armour (vests, insert, helmets), as well as in vehicle armour. Well known applications include the US Army protective insert (E-SAPI & X-SAPI). Extensive testing was done by the US Army, and Dyneema® was selected as the ballistic armour material of choice. Another example is the recent success with vehicle armour in various NATO countries where Dyneema® is used to stop the most severe IED threats, including EFP. Dyneema® is well known for multi-hit capability, light weight solutions, as well as its high-quality commitment. Other industries and respective applications are: commercial marine industry (mooring ropes, fish farming nets); the medical industry (sutures); the sports market (fishing lines, sailing ropes and sails); as well as the high protective textiles (cut resistant gloves).

**What is the next major step for DSM Dyneema in meeting the ballistic protection design challenge?**

DSM Dyneema is continuously working

together with end users (military and police), as well as with armour manufacturers to find the lightest weight solution available. As the requirements become more and more strict, the challenge is to provide a better protection level, and a lower system weight solution. We continuously innovate and are in the forefront of product innovation. With the recent introduction of Dyneema® HB80 material, we have again launched a material grade that reaches an even higher level of protection.

**DSM Dyneema has recently delivered material for Spartan-level Protection used by Hellenic Police. Would you like to further comment on that?**

DSM Dyneema successfully developed dialog with a local Greece producer of protective vests. This company has won a recent tender for the Hellenic Police. In addition, other end-users have tested and approved the material. For example, the Special Delta Force (a special police unit), the Presidential Guard, and the Hellenic Post Bank are currently being equipped with body armour manufactured in Greece. All vest concepts were developed by the local Greek company, and extensively tested and certified both in Greece, as well as in international testing laboratories such as TNO. Testing was done according to international standards, such as NIJ.

**How big are the future business opportunities for DSM Dyneema in Greece's defence and law enforcement market?**

With the threats continuously chang-

ing, depending on the country of operations, the military capabilities are being adapted. DSM Dyneema is well positioned to enable further protection in Greece and privileged to contribute in helping the Hellenic Armed Forces better protect its people, and thus save more lives. Examples are in military vests, inserts and helmets as well as vehicle armour. With the extensive coastal area of Greece, and being the EU border, one example could be the armouring of navy boats. The lightest weight concept, in combination with the best-in-class protection will help the H.A.F. to even better fulfill its missions. All in all, Greece's defence and law enforcement market is important to DSM Dyneema's future growth ambition.

**Over the years, your company has established a strong relationship with the international protective manufacturers. Has this been a mutually beneficial relationship? What about the case for Greece?**

DSM Dyneema has worked for many years with international companies in the armour industry. Some of these companies are specialized, for instance in the production of helmets or vests only. Others manufacture a full range of armour solutions. By closely working together, the latest innovations are delivered to the market in a rapid sequence. So, this has been a mutually beneficial relationship for all parties. The same applies in Greece, By continuing building relationships with customers and end-users in Greece, mutually beneficial relationship will enable improved product design and armour performance.