

CUSTOMER STORY

How a leader in satellite operations protects its datacenters

AEROSPACE

To protect their datacenters, firms specialising in the design and development of space services must disconnect from the Internet. Yet online access remains essential for updating such security equipment. But how can their effectiveness be maintained? This is the challenge being tackled by Stormshield teams.

60 years
of existence

535
million euros of
turnover

3,000
employees in 9
countries

Geoinformation, the operation of space, telecommunications and navigation infrastructure; the company provides high added-value services and satellite applications in all key areas of the space sector.

Protecting and upgrading. Even offline.

Its activities involve several datacenters around the world, all connected to one another via a secure private network. However, the customer wished to set up a second layer of protection, independent from the one offered by its network provider. But because these datacenters are not connected to the Internet, the challenge was to set up security equipment without being able to provide updates to them – a particularly difficult issue to solve. A number of design constraints were even more decisive, because they required strong integration capabilities.

“When you’re working in an isolated, non-dynamic environment, static routing is the best option. Our router objects enable customers to benefit from a resilient network without the vulnerabilities created by dynamic routing.”

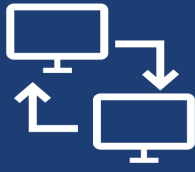
Our answer:

A robust, high-throughput solution that could be integrated into the existing infrastructure without disrupting it. This required a very high level of trust – hence the requirement for Common Criteria (EAL) certified products.

Stormshield Network Security (SNS) is the perfect solution to this issue, as the product is designed to be the cornerstone of the architecture. It offers all the prerequisites to make it fully operational in an offline environment.

Preventing intrusions by detecting anomalies

Another key point: adopting an approach of security through compliance. This is a crucial requirement in a highly regulated environment. Our intrusion prevention system (IPS) satisfies this requirement: the system guarantees a high level of protection and detects anomalies linked to failures or configuration errors.



RADIUS integration

Two-factor authentication (2FA) was one of the customer's requirements. Our SNS solution supports the RADIUS protocol on which this system is based. This has enabled us to integrate SNS with a third-party solution, thanks to the advice provided by the pre-sales team.

Our IPS operates offline and performs extensive compliance checks to detect anomalies that may impact network and service availability. It is designed to follow the protocol defined in RFCs and to identify security issues. How? Via a signature-based mechanism that is updated offline. Protocol controls are customised, which improves the network protection offered by the solution.

THE SOLUTIONS USED

- [Stormshield Network Security](#)
- [The Intrusion Prevention System \(IPS\)](#)

