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**THALES**  
Building a future we can all trust



Newsletter #2, March 2021

[TheSophieClub.com](http://TheSophieClub.com)

Discover in preview Sophie family

### Detect sooner, Identify further, Engage faster



As privileged members of the Sophie user's community, we are pleased to introduce the new **Sophie 4 family**, the first collaborative 4-in-1 equipment in only 2.5kg for **night & day** superiority, with **Sophie ULTIMA** (extended ranges - specialized units) and **Sophie OPTIMA** (long range – contact units leaders), launched in June 2020.

[Discover the new promotional video](#), showcasing the unrivalled performances of the new Sophie family!

To find out more about each product's specifications & tactical gains:

- > [Sophie OPTIMA datasheet & digital launch replay](#)
- > [Sophie ULTIMA datasheet](#)
- > [Sophie 4 family innovative Support Solutions](#)

### Sophie, the experience for superiority since 1996

*A true success story*

Thales pioneered the concept of portable optronics. Back in 1996, Thales introduced the concept of Hand-Held Thermal Imager, with the launch of the first Sophie for the French Army. It was the beginning of a global success story: in 20 years, the Sophie family became the reference on the defense market, with **more than 16,000 units sold over 55 countries**. Building on its reputation around the Sophie brand, which has become an iconic product and the equipment "par excellence" for the dismounted soldier, Thales continues to innovate by working and designing closely with its customers new products. The result today, is the launch of the 4<sup>th</sup> Generation of Sophie, always more efficient and adapted to the new challenges of the battlefield.

> [Know more on Sophie family success story](#).



Pierre-Yves GUINET  
Product Line Manager

### Why should you trust Sophie 4<sup>th</sup> Generation?

"Thanks to the first three generations of Sophie, Thales has a proven track record in providing outstanding performances in the hand of the dismounted soldiers facing tough combat experiences. Our engineers have learned to **reduce weight and facilitate the use of Sophie** while being at the top of state-of-the-art technologies.

But those **25 years of experience** have not reduced our determination to be listening to our customers pains and needs. This is why the **Sophie Users community** and its annual events are so important for us : it helps us to humbly take into account new realities of the always evolving battlefields threats.

The 4<sup>th</sup> generation of Sophie is the best example: **Sophie ULTIMA and Sophie OPTIMA are built on your feedback, combined with our expertise**, providing technical breakthroughs like **GNSS denied positioning or cybersecurity** while integrating a **DVO** for rusticity. We hope you will soon experience the result of this long term collaboration."



### Cyber security: An essential asset in tomorrow's battlefield?

**Sophie 4<sup>th</sup> Generation is one of the first cyber secured pieces of equipment ready for collaborative combat. But how does cyber security help to ensure the success of military missions?**

Real-time data exchange between military forces is a key asset on the battlefield, and is now a full component of collaborative combat. However, in recent years more and more cyber threats have demonstrated their powerful impact in several armed conflicts.

#### Are dismounted soldiers cyber protected, all along the collaborative chain?

From the theft of images or videos to the accurate location of troop positions, or the full remote control of equipment, malicious hackers do not lack imagination, when it comes to disrupting their enemy's theater of operations.

Without detection of security vulnerabilities, the consequences could have a disastrous impact on the success of your mission: Hackers could directly disrupt your military operations on the battlefield, by locking your equipment in the field, or even potentially on a larger scale by attaining your entire network without your knowledge.

Cyber-attacks are very difficult to anticipate, unavoidable if you are not fully cyber resilient, and may have terrible consequences. The latest cyber-attacks have shown us that any fault in the global system, may be a potential entry point for hackers. Cyber threats are the new weapon in all theaters of operation and Thales has fully addressed this in our latest Thales Sophie 4 Generation.

> [Know more on cyber threats](#)

## Thales News

### Two Thales lasers on Mars!

With the Perseverance rover landing on Mars, two Thales lasers are now on the red planet

#### Did you know?

These two state-of-the-art lasers come from the same french Thales expertise center as the new Sophie family. A bit of Sophie on Mars...

> [Learn more about this human and technological incredible adventure](#)

> ["Mars in sight" - read Christophe Salomon's - Executive Vice President, Thales Land and Air Systems](#)

> [To see in replay NASA's Perseverance Rover Land on Mars](#)

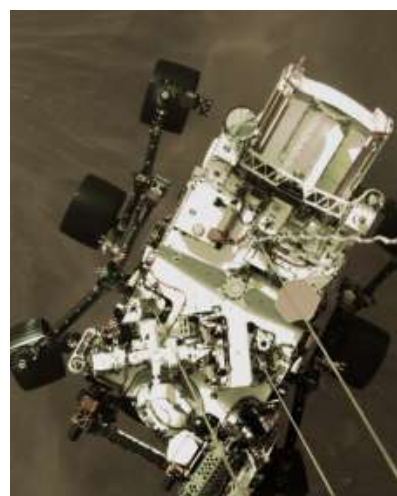


Photo credit: NASA/JPL-Caltech

### Mastering Night Vision

How to choose the right image intensifier tubes for NVGs?



#### Did you know?

Over the past twenty years, Thales has developed and produced [a wide range of Night Vision Goggles](#), incorporating different types of image intensifier tubes. Ultra-compact NVGs such as the O-NYX goggles for French armed Forces, featuring the use of non-inverting tubes with output lens.

> [Download our white paper comparing each type of tubes](#)



### Contacts Us

For any further question, you can contact us at: [marketing\\_optronics@fr.thalesgroup.com](mailto:marketing_optronics@fr.thalesgroup.com)

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