



Newsletter #9, March 2022  
[TheSophieClub.com](http://TheSophieClub.com)  
**Co-design and Eco-design**

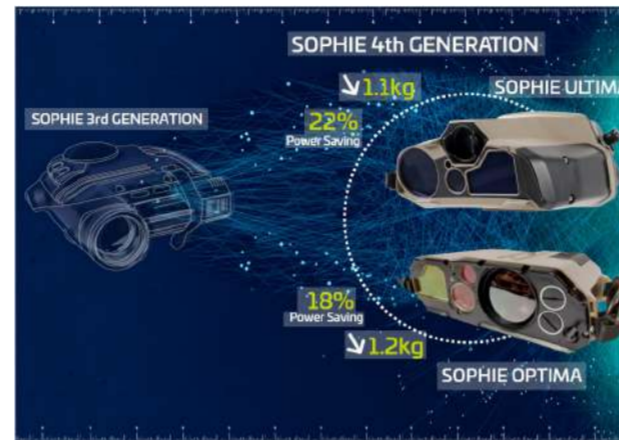
Best-in-class equipment is more important than ever for gaining and maintaining a tactical advantage. But what constitutes best-in-class equipment today ?

It optimises **Size, Weight and Power (SwAP)** performance without compromising technical capabilities or reducing functionality. And above all, it is systematically co-designed with customers to meet their exact mission requirements in the most demanding conditions.

Read on to find out how [Sophie](#) and [XTRAIM](#) qualify for best-in-class status!

**Sophie Ultima and Sophie Optima: the best allies in the field**

Smaller, lighter, more energy-efficient products offer the best response to operational requirements, reducing the burden on the soldier, simplifying logistics and helping to minimise the use of natural resources.



Discover how Sophie 4th generation are eco-designed

**What is eco-design?**

Eco-design is the integration of *environmental aspects* from the earliest design and development phases in order to *reduce negative environmental impacts* throughout the product life cycle with equivalent or superior service. The principles of eco-design support the use of *sustainable resources* and materials that are *less harmful to users*, production staff and the environment. For new equipment developments, weight is reduced as much as possible to limit greenhouse gas emissions, and end-of-life dismantling and recycling procedures are an integral part of this approach.

Through its commitment to eco-design, Thales is seizing the opportunity to design products that respect the principles of *sustainable development and environmental protection*, which is "a national concern", as French Armed Forces Minister Florence Parly recently emphasised.

**XTRAIM: designed by users, for users**

The Thales design approach involves close collaboration with operational users so that our engineers can understand the issues encountered in the field and establish a clear set of requirements for future products and services.

Thanks to Image'Inn, Thales's technical and operational co-innovation laboratory for optronics systems, the teams from [Saint-Héand](#) were able to meet twice a month with future users to produce the first virtual prototypes of the new XTRAIM weapon sight. This allowed them to develop a mock-up of the new product and produce a demonstrator based on the virtual prototype in record time.

*"Personnel from a range of conventional forces and special forces units worked with the demonstrator from the earliest design phase. Thales was able to capitalise on their feedback, both inside the Image'Inn environment itself and in highly realistic firing conditions outdoors. Once we had fully understood their requirements and constraints, we were able to offer them solution that exactly matches their actual operational needs."* Xavier Gonon – Product Design Authority



XTRAIM view with Image'Inn



XTRAIM view in operation

Learn more about the co-design of XTRAIM

**Lucie, a pioneer in night vision**

The *Lucie* night vision goggle, the big sister in the growing family of Thales *night vision goggles*, came into the world in 1995 at Saint-Héand. Since then, more than **70,000 units** have entered service around the world.

**But why the name Lucie?**

[> Find out here](#)



**Upcoming Events**

Thales will have the pleasure to meet you:

**16-19 May**  
**SOFIC, USA**

**01-02 June**  
**CANSEC, Canada**



**CONTACT US**

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Visit our dedicated website : [thesophieclub.com](http://thesophieclub.com)

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