Thales

Thales is a world leader in designing and building mission-critical information systems for defence and security, aerospace and transportation.

Operational in 50 countries, Thales employs 68,000 people all over the world. Thales steps up to the security challenges of its customers in an increasingly complex world: utilizing expertise in the most sophisticated technologies and large scale software systems, and aided by a global network of 22,500 high level researchers. The company has earned particular recognition for its ability to develop and deploy dual civil and military techniques, leveraging international operations to provide an end to end supply chain, from equipment manufacture to systems and services.

Thales Nederland employs about 2,000 staff members.
The company, established in 1922, is one of the leading companies in integrated systems for surveillance, weapon control, combat management and system integration worldwide.

Thales has a comprehensive range of C4ISR products and solutions for air, land and naval forces, joint structures, special forces and homeland security services to achieve full situation awareness and information superiority. The Sotas family of products is just one of an outstanding range of military and civil communications products and services that Thales has to offer. Sotas is a mature, combat-proven system, with 21,000 systems deployed in over 50 vehicle types in 34 countries throughout the world, demonstrating the systems diversity and flexibility. As a leading defense supplier, the products are compliant with the most stringent military requirements. Thales has the highest AQAP and ISO9000 military standards accreditation.
Sotas Lite systems
Small is Beautiful
The innovative Sotas Lite systems are aimed at programs/vehicles that do not require extensive inter-vehicle networking capabilities. Requiring only a minimal installation footprint, Lite Sotas systems are typically used in space constrained vehicles, to provide up to 10 users with a comprehensive set of tactical voice and data services. Lite Sotas systems do not have a central unit. The smallest Sotas system consists of a single User Node (S-TAUS / TAUN). Larger systems are created by simply connecting additional User Stations or Nodes using Ethernet.

The Sotas user stations provide the in-vehicle network and the interfaces for headsets, radios, data terminals, sensors and other equipment. Every user station offers independent Human Machine Interfaces and audio channels for up to 3 users. Where required, the user stations are configured with additional interface modules, e.g. additional audio ports, (10/100) Mbps Ethernet (PoE+), USB 2.0 interfaces and a MIL-STD 1275 power supply.

**Minimal footprint - Packed with services**

Sotas systems are based on a high performance open architecture that is modular, scalable and future-proof.

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**Overview of User Stations and Nodes**

- Tactical User Station (TUS)
- Tactical User Node (TUN)
- Tactical Advanced User Station (TAUS)
- Tactical Advanced User Node (TAUN)
- Tactical Node (TN)

Note: Sotas units not drawn to scale
“The new generation of Sotas Vehicle Systems is designed to bring real operational advantages to the highly mobile vehicle domain.”

**No risk solutions**
Exactly meeting your requirements

**Unique Architecture**
Sotas consists of a family of modular components that can be assembled and scaled to provide optimal configurations for all vehicle types and missions. A basic vehicle intercom only requires one single Sotas unit. Larger and more comprehensive systems are created by adding user stations, network nodes, software packages, and hardware option modules.

With this unique building block approach Thales delivers tailor-made solutions to every customer, using proven off-the-shelf Sotas building blocks.

Installed Sotas systems can easily be upgraded when new requirements with respect to system size and functionality emerge. Upgrades are performed with minimal impact on the existing installation.

**Significant benefits**
With a proven history and core competence in vehicle systems development & product (line) engineering and delivery of ruggedized, light-weight, tactical systems Thales offers significant benefits

- **No Risk** - Sotas solutions are based on a proven family of equipment with more than 21,000 systems deployed in over 30 countries in over 50 types of vehicles
- **Flexibility** - A high level of scalability and flexibility to meet the requirements for the full range of tracked and wheeled platforms as well as allow for future evolution
- **Short lead-times** - Based on off-the-shelf standardized building blocks, Thales delivers tailor-made solutions within months
- **Experience** - An established Contractor with proven ISO9001 certified processes, production and support experience ensuring low management risk

A Sotas system for a light vehicle, providing voice, data and IP services to 4 users