Midsize Sotas systems
Network-Enabled Operations
The midsize configurations of the innovative Sotas systems are aimed at programs/vehicles that require extensive networking capabilities. For these vehicles, a Sotas Tactical Network Node (TNN) is added to the network of user stations. The TNN offers a very wide range of interface types to provide connectivity for high numbers of external equipment and user stations. Midsize Sotas systems support voice communication and the exchange of multi-media data in the vehicle, between vehicles and with other elements in the Network-Enabled Operations environment. Offering high performance routing and a comprehensive set of routing protocols and supporting services for wireless and wired networking, Sotas seamlessly integrates the various transmission systems that have wildly different characteristics.

The highly scalable TNN can be configured to offer a wide range of services and interface types, including 10/100/1000 Mbps Ethernet (PoE+), USB 2.0, video, serial data, analogue audio and general purpose I/O. User stations provide interfaces for headsets, radios, data terminals, sensors and other equipment. Every user station offers independent Human Machine Interfaces and audio channels for 2 users. Where required, the user stations are configured with additional interface modules, e.g. additional audio ports, (10/100) Mbps Ethernet (PoE+) and USB 2.0 interfaces.

Sotas systems are based on a high performance open architecture that is modular, scalable and future-proof.
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 simple 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 development 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 approximately 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 Battalion Commander’s IFV, providing voice, data, IP and platform management services to 5 users
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.