Another level of rugged
Saab Vetronics equipment does not need external dampening or to be suspended in wires to survive shocks inside a wheeled or tracked vehicle. Bolt it directly to the metal and it will survive, even directly attached to the gun-barrel of a grenade launcher thanks to its solid design.

All equipment is prepared for use in the most extreme environmental conditions, including vibration, shock, humidity, moisture, temperature and EMI.
Situational awareness is essential to save lives. On the battlefield, a clear grasp of the tactical situation is crucial. Without it, a vehicle’s weapon systems and armour become irrelevant. At least as important as the tactical situation is the safety of anyone moving in the vicinity of the vehicle. Be it war or peace, no driver ever wants to risk hurting his fellow servicemen while manoeuvring. Camera systems enhancing the situational awareness of the driver adds a layer of security when operating vehicles with poor line of sights.

The imagery can also be used by mounted soldiers to obtain visuals on what is happening outside the vehicle – and beyond – before deploying.
Being a system integrator in military vehicle electronics, Saab’s extensive product portfolio allow us to tailor a solution to suit your needs.

We have the experience and expertise to assist you, whether you want to upgrade a single component in an existing 4 x 4, or design a complete vehicle electronic system for a whole fleet of new APC:s.

Our philosophy in vehicle integration of Rugged Vetronics is quite simple. Every component and every function is based on a common, expandable and scalable architecture. Seamlessly integrated, all sub-systems and elements understand each other and share hardware and network structures.

The advantages are obvious: any kind of information can be directed to any user. So several users can share real-time information and you can also, for instance, show HUMS data, camera images and BMS data on the same screen.

The systems are modular and scaleable, so if for instance you need to upgrade computers, sensors or displays in the future, the same cabling and fixtures can be utilised saving time and money in the process.
Combat vehicles are cramped, so all installed equipment needs to be efficient and flexible. As Saab Vetronic displays and systems do not rely on external dampening or cooling systems, they can be placed wherever needed, saving valuable space inside vehicles.

It is also possible to reduce the number of installed units as the flexible design allows information from other systems to be integrated and displayed on the same screen, eliminating the need for multiple displays.

The system can be split up with computers installed separately, to allow for the smallest possible display unit in the crew compartment.
Delays are **costly** on the battlefield

Start up the system and the external video feed is instantly active, no need to boot. There is a very low latency between when the image is captured and it when it is displayed inside the vehicle, enabling high speed driving using only the video feed.

This offers a better situational image in poor weather or at night via infrared cameras.
Modern digital communications systems can be sensitive to interference of nearby electronic equipment. All Saab Vetronic equipment is heavily shielded and will not affect or degrade the performance of other systems installed in the vehicle, nor is it sensitive to external interference.

The Saab military electronics product range is qualified according to applicable military standards including MIL-STD-810G and MIL-STD-461F to handle a wide range of operating and storage temperatures.

Being a systems integrator, we design all individual components to exceed Mil-specs in order to meet our committed system specs.
Rapid and reliable information networks are essential for today’s highly mobile and dynamic military operations. Vehicle-mounted information technology is changing the battlefield, providing capabilities vital for both force projection and force protection.

Saab offers a wide range of rugged vehicle electronics (Vetronics). Solutions that ensure that the harsh environmental requirements for battlefield use are met and that performance remains high, while keeping lifecycle costs to a minimum.

Whether your need is minimum space or maximum capability, Saab provides a rugged system that meets your exact application and secures your operational capabilities.
You can rely on Saab’s thinking edge to deliver innovative, effective products and solutions that enhance your capabilities and deliver smarter outcomes.

Visit us for more info and product details

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