Hot surfaces along with large radar cross sections make military vehicles highly exposed to sensors and target acquisition systems. Vehicles therefore require advanced signature management equipment in order to achieve sufficient protection against detection and identification. Saab Barracuda Mobile Camouflage System is a flexible solution providing multispectral protection for vehicles when moving or when in a static position.
General
Saab Barracuda Mobile Camouflage System (MCS) is intended primarily for protection of vehicles during movement and in combat. The Mobile Camouflage System is a flexible solution which can be applied in a number of configurations using different types of materials.

Signature Management Properties
Visual and Near Infrared. The non-glossy and 3-dimensional surface structure of the MCS helps the vehicle blend in with the surroundings and obstructs visual detection. Colours, near infrared values and pattern can be adapted to the environmental conditions of the intended region. Conspicuous parts of the vehicle can be furnished with additional contour disrupters.

Thermal Infrared. The thermal infrared properties are adapted to obstruct thermal reconnaissance and reduce the risk of detection in all climate conditions. The thermal properties provide protection against thermal imagers and other related threats, such as heat seeking missiles.

Radar. The radar characteristics are customised depending on operational environment and customer-defined threats. MCS provides protection against radar reconnaissance and homing missiles in the range of 1-100 GHz.

Options
HTR CoolCam. Any configuration of MCS can be complemented with Heat Reduction CoolCam. The HTR CoolCam system is designed to reduce heat penetration through the hull into vehicles operating in extremely hot climates, such as desert and tropical regions.

Ballistic Protection System. MCS can also be complemented with a Ballistic Protection System for improved blast and shrapnel protection. The Ballistic Protection System is made of layered aramid material and foam, combined with our signature management material.

Shading Umbrella. The multispectral Shading Umbrella obstructs thermal and visual reconnaissance by enemy forces, including snipers, while allowing outward observation by the user. The system also offers shade and significantly reduces solar heating. Additionally, the Umbrella is lightweight, offers rapid deployment and stowage, and has been proven on a variety of vehicles.

Vehicle Load Carriage System. The Vehicle Load Carriage System offers an easy way of stowing extra material such as ammunition, water or personal equipment on the outside of the vehicle. The system consists of a series of straps that are sewn on the MCS, and to which pouches and bags of all different sizes can be attached.