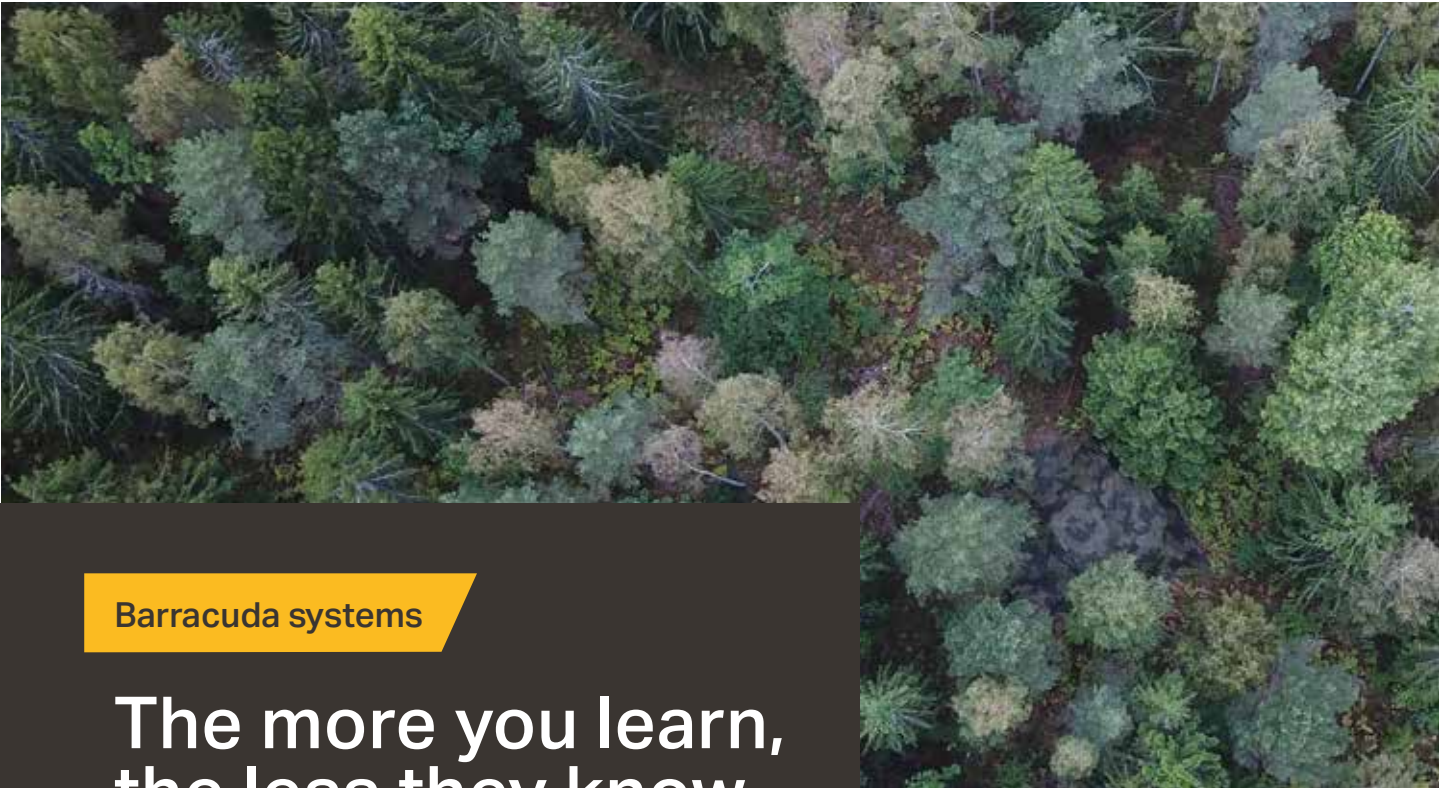




Barracuda systems

The more you learn, the less they know

HANDBOOK



SAAB

For your survivability

Barracuda systems combines unique skill, extensive industry experience and a flexible product development approach to create advanced camouflage systems that provides pre-conditions to win.





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Platform



Barracuda systems offers multispectral protection for any platform. They can be integrated to fit any environment, vehicle and object.

MCS

Barracuda Mobile Camouflage System

- Customised to enhance any vehicle
- Reduce detection up to 90 %
- Gloss and hot-surface prevention
- Dust prevention
- Logistics efficiency
- Silent-watch capability
- Modular load carrying

FEATURE

Barracuda Adjustable MCS

Adjustable panels for different environments

Properties



UV
ULTRA
VIOLET



VIS
VISUAL



NIR
NEAR
INFRARED



SWIR
SHORT WAVE
INFRARED



TIR
THERMAL
INFRARED



RR
RADAR



CoolCam

Barracuda CoolCam

- CoolCam reduces the heat penetration through the hull into vehicles operating in extremely hot climates, to protect personnel, sensitive equipment and ammunition. The system minimizes the effects of solar loading and radically lowers the vehicle inner temperature.
- Improves fuel efficiency by up to 25 %
- Lowers internal temperature of the vehicle
- A flexible solution for vehicles, tents, shelters and containers

Properties



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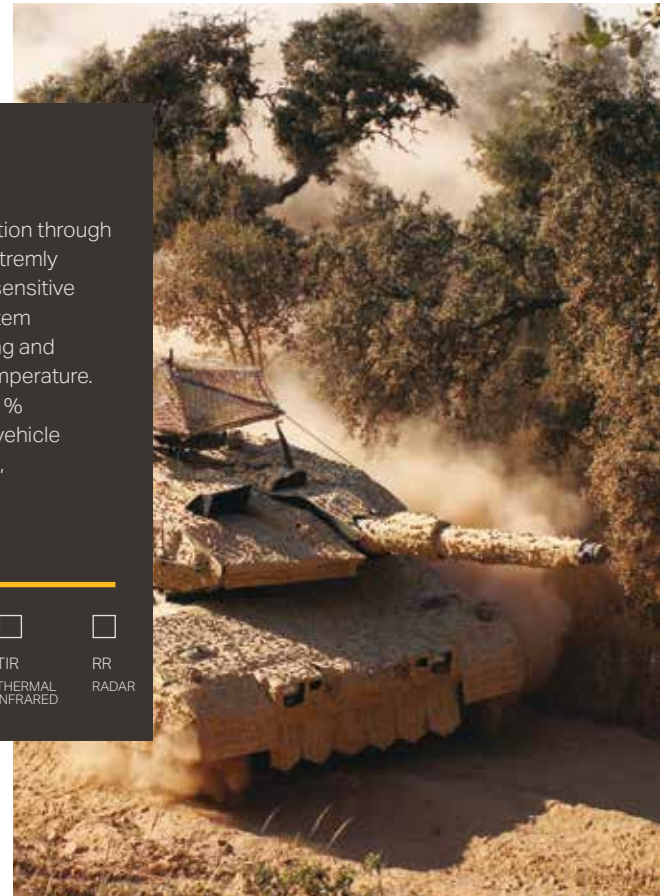
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Break Away System

Barracuda Break Away System

- Rapidly deployable
- Unique system for immediate exfiltration
- Reduces gloss, glint and glare to diminish detection at distance in visual spectrum
- Integrated system that attaches to the vehicle for storage and transportation
- Colors and augmentation kits are available for regionally specific situations

Properties



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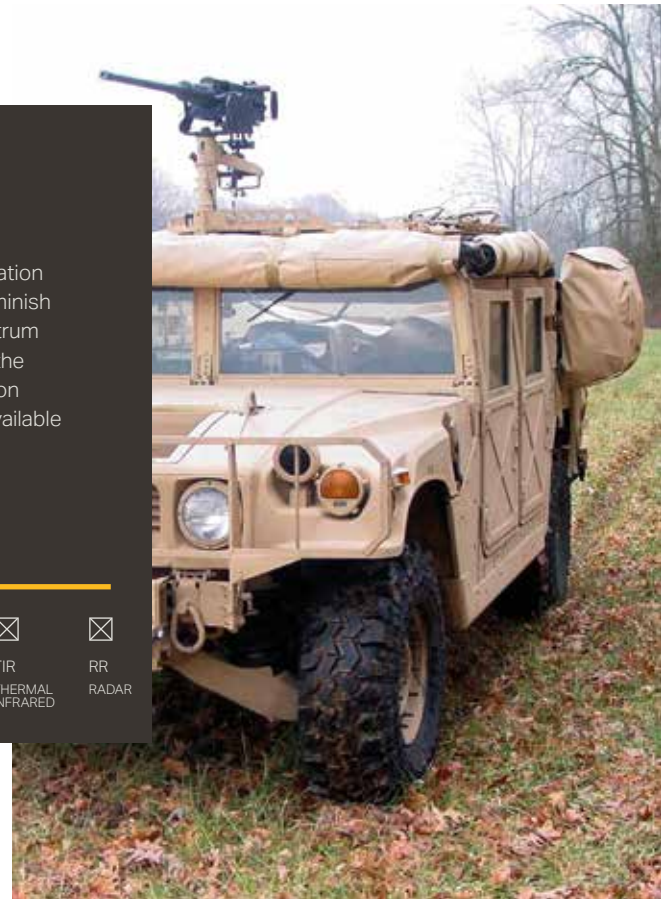
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Features

Barracuda's platform integrated systems also include nets, mission-specific features and other add-on applications that offers quick and effective camouflage, for even greater protection from detection and identification.

- Ultra Lightweight Camouflage Screen (ULCAS)
- Advanced Reversible Camouflage Screen (ARCAS)
- Arctic Net
- Bag system
- Top protection
- Shades
- Track Nets





Soldier

During stealth operations, the need to stay hidden is even greater, as the ability to blend with the surrounding can be the difference between mission failure or mission success.

Personal Net

Barracuda Personal Net

- Blocks up to 70% of the thermal energy transmitted by the soldier
- Available in two different designs 3D and 2D
- 2D Net with reversible design

Properties 2D net



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Properties 3D net



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Camosphere

Barracuda Camosphere

- The Camosphere is quick to release and quick to close allowing for flexible and efficient operational use
- Giving the soldier the ability to see from the inside but not be seen from the outside
- Covers various missile systems e.g. RBS 70 and Bill 2
- Provides a working area with a 360° view
- Weighing no more than 8 kg, the Camosphere is easy to carry and manipulate in field

Properties



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Poncho

Barracuda Poncho

- Blocks up to 70% of the thermal energy transmitted by the soldier
- Lightweight, weighs no more than 1,5 kg
- The 3-dimensional garnish disrupts the contours of the soldier
- The water repellent fabric ensures that the Poncho maintains its ultra lightweight, even in humid or wet weather conditions

Properties



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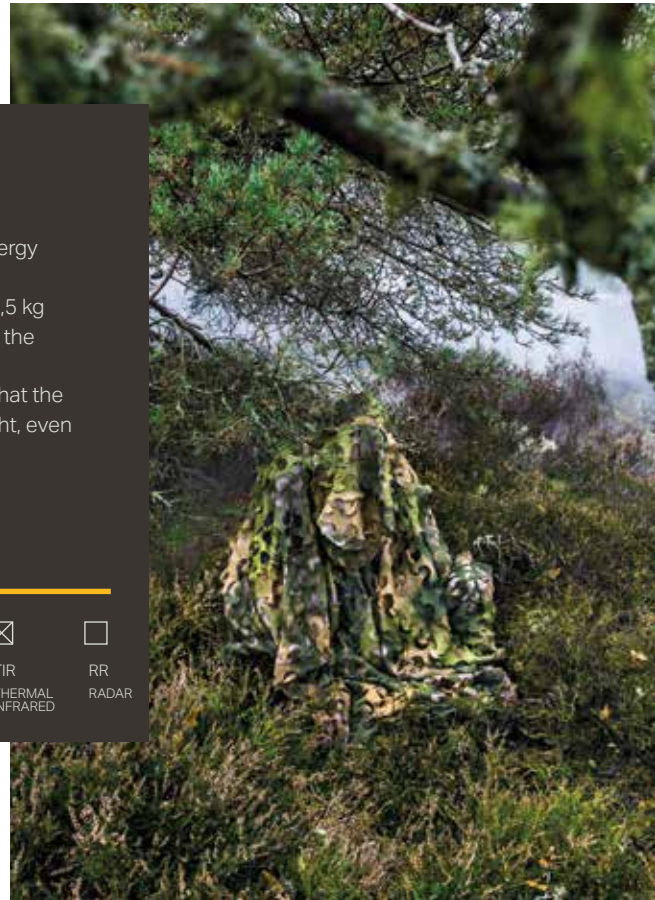
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Unit



A soldier in camouflage gear is positioned in the foreground, holding a rifle. In the background, another soldier is visible near a large, multi-colored camouflage net that blends into the forest environment. The scene is set in a wooded area with tall trees and green foliage.

Every part of a military force requires the ability to operate undetected. Barracuda have extensive experience in creating multispectral camouflage solutions for any mission scenario, no matter how large or small.

ULCAS

Barracuda Ultra Lightweight Camouflage Screen*

- 3-dimensional surface structure
- Reduce up to 80% of solar loading on vehicles, shelters, tents and containers
- Ultra-lightweight, the ULCAS weighs no more than 250 g/m²
- Joining system, individual camouflage screen can be readily linked together
- "Non-snagging" design, easy to use
- The dimensions, shape and colours of the camouflage screen can be customised according to each customer's requirements

Properties



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ARCAS

Barracuda Advanced Reversible Camouflage Screen*

- 2-dimensional system
- Reversible design, two environments in one net
- Lightweight ARCAS weighs less than 300 g/m²
- "Non-snagging" design, easy to use
- Joining system, individual camouflage nets can be readily linked together

FEATURE

Barracuda ARCAS®

- Thermal pattern that lowers the signature

Properties



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*The dimension, shape and colours of the camouflage net can be customised according to each customer's requirements

Arctic Net

Barracuda Arctic Net*

- Reversible in different terrain (lowland/highland) two different colour schemes
- Durable material
- The randomised pattern is used to avoid repeated patterns and identical screens
- The visual and near infrared colour pigments and the pattern are developed to blend into the intended environment

Properties



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Solar Shade

Barracuda Solar Shade

- Reduces up to 80% of solar loading
- Maximizes shelter and container temperature reduction
- Reduces operational energy consumption by 20% on covered shelters
- Snag resistant design for rapid deployment

Properties



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*The dimension, shape and colours of the camouflage net can be customised according to each customer's requirements

Services

Research and Development

- R&D facilities in Sweden
- Environmental studies in order to develop suitable colours and patterns
- In-house advanced sensors and equipment to test, evaluate and measure materials and camouflage characteristics
- In our facility in Sweden we have built our own test methods in cases where international standards are not available or applicable
- Evaluate material characteristics for example: mechanical, fire resistance, adhesion and outdoor performance



Academy

Gain the tactical edge through concealment. Achieve battlefield superiority and improve survivability by increasing your knowledge of modern signature management, through courses led by world-class experts within their fields.

Barracuda Master Class

Reduced visibility means increased survivability and greater flexibility. This Master Class will give you the operational edge in survivability, in theory and in the field.

Barracuda Train the trainer

This course will give instructors the tools and knowledge to train prospective users in signature management. This course provides participants with expertise in signature management and our decades of experience can be applied to maximise survivability of operators in the field.





SAAB

As sensors are becoming more advanced and threats increasingly difficult to anticipate, the demand for advanced signature management technology is constantly rising. With a long history of innovation and superior technical competence, Barracuda systems stands well prepared to meet both current and future challenges.

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* In accordance with the United States International Traffic in Arms Regulations and the U.S. Munitions List, Saab Barracuda LLC strictly adheres to the export control requirements that apply to defence articles.