

Connect. Respond.

Enhanced situational awareness for land-based C4ISR



Our strengths

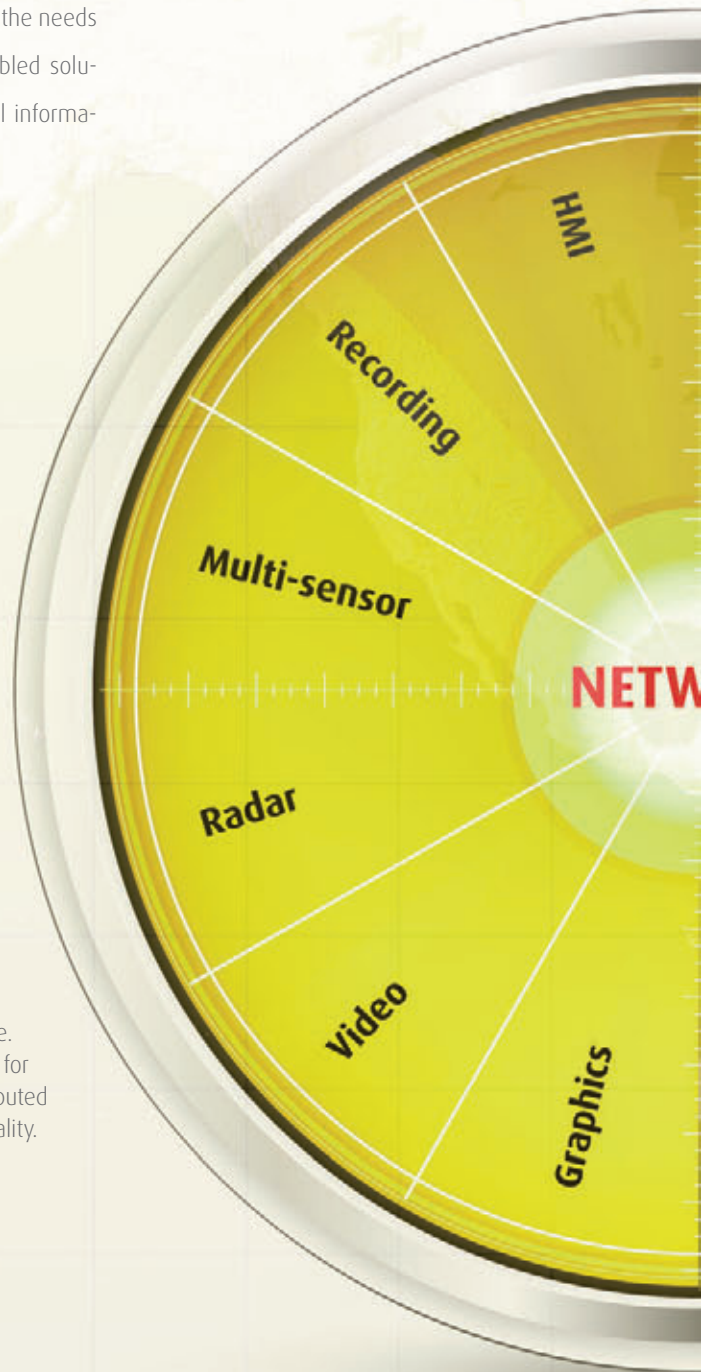
For more than 30 years, we have worked together with land forces to meet the needs of an ever-changing battlefield. Still today, our risk-free and network-enabled solutions provide operators and decision-makers with the ability to see critical information for increased situational understanding and mission effectiveness.

Solutions for advanced C4ISR

We provide both the hardware and the software to deliver a dedicated visualization system that best fits your needs, whether you are retrofitting, refurbishing or building an entirely new platform. Our offering ranges from displays, smart displays, HMI consoles and rugged computers to advanced image processing capabilities, high-resolution recording and networked sensor distribution solutions. All vigorously tested, field-proven and MIL-qualified.

Networked radar, video and graphics distribution

Because operators and decision-makers need immediate access to visual information from a wide variety of sources, networked systems are on the rise. We offer a network client application, built on our best-of-class components, for access to real-time information - be it video, radar, graphics or other - distributed over a secure network, ensuring minimal latency and the highest image quality.





Fit for use in extreme environments

We adopt commercial COTS components, such as LCDs and processors, and ruggedize these to allow deployment in the most extreme conditions. In addition, we offer a unique Integrated Logistics Support plan for a period of no less than 20 years to reduce the overall cost of ownership and safeguard your product against obsolescence.

Innovative visual technology

At the core of our business is our expertise in GPU programming. We use the latest GPU technology to provide video, radar, multi-sensor, recording and HMI capabilities that help you connect and respond to mission-critical information. The result? Better situational awareness, faster decision-making, and improved operational efficiency.

Our capabilities

Our high-level capabilities not only facilitate access to information, they also speed effective decision-making. By enabling users to control how and where information is displayed, you can collaborate in the most efficient way.

Barco's rugged displays and visualization solutions have years of proven lessons and qualifications built in to ensure the highest performance and the lowest risk possible on the market today.



Networked collaboration

With our advanced software solutions, which support Service Oriented Architectures (SOA), you can push and pull data, video, screen content and graphics from anywhere, to anywhere. It helps you turn information into intelligent knowledge to ensure fast and effective decision-making.

- Connect to multiple information sources
- Control how & where sources are displayed
- Collaborate in the most efficient way
- Build on a scalable solution



Networked radar processing

We offer a networked radar rendering system with true multi-radar fusion, eliminating the need for expensive radar scan conversion hardware. Our software provides an open framework for networked radar processing and custom designing software when third-party or legacy modules need to be integrated.

- Reduce ownership and maintenance costs
- Get the latest CPU/GPU technologies
- Scale to your own needs and requirements



High-resolution mission recording

Our mission recorders offer the best image replay rendering for legal recording, post-mission analysis, and training and simulation applications. They feature high-resolution video recording, voice recording synchronization and Metadata tagging.

- Record on local or remote sites
- Manage mission-critical audio & video data
- Replay while recording



Multi-sensor processing

Our programmable video processing software enables low-latency video streaming, display recording and visual mixing, whether your architecture is networked-based or based on direct video feeds. Multiple video sources can be stabilized, fused, and stitched into panoramas.

- Enhance information interpretation & evaluation
- Optimize local situational awareness
- Speed decision-making
- Deterministic multi-sensor processing

Our products



Human Machine Interface

The Vista console series is the latest generation of network-capable modular console design, including the MicroVista series for bulkhead mount.

- Optimize integration with a compact design
- Allow customizations to be compliant with platform constraints
- Rely on a MIL-qualified & low-risk design



MIL-qualified displays

We have developed unique technologies that facilitate the presentation of video data, like LCD Flicker Compensation and optical filtering technologies to ensure compatibility with night vision goggles. Equipped with advanced dimming and ruggedization features, Barco displays ensure the best optical performance in all conditions.

- Count on clear, crisp graphics & video
- Assess fast-moving images smoothly
- Meet shock, temperature and vibration requirements
- Leader in multi-touch



Visualization software

Turning mission-critical information into knowledge typically requires customization on the client's application programs. With the CommonSENSE software toolkit, we offer an application programming interface to help system designers with the rapid development of visualization applications. We also provide networked radar visualization and mission recording software.

- Software toolkit for image processing
- Software for networked radar visualization
- Software-based mission recording

Rugged computers

The DPMs (Display Processing Module) are rugged computers suited for extreme environments. These computers are fully optimized for SWAP-C considerations.



- Optimize integration with a compact design
- Get the latest multi-core processor technologies & network interfacing
- Have access to live video processing capabilities

Our commitment



You know us for our rugged and MIL-qualified display solutions. It's their dependability that helps you complete your missions successfully. But we provide more than just a system.

With our global presence and local expertise and service, we help you get the most from our products. Additionally, we offer a unique Integrated Logistics Support plan to safeguard system performance and continuity for a period of no less than 20 years.

We also make the difference by delivering the services that best suit your needs, no matter where you are. And by customizing our support activities to meet your unique requests.

We have gained your trust by providing reliable, high-quality solutions. We maintain it by ensuring the highest level of support.

Online services

e-helpdesk

Log on to eSupport at www.barco.com/support for:

- Technical questions
- Return Material Authorization (RMA)
- Service requests status tracking



Professional helpdesk

Our dedicated helpdesk hotlines are run by trained product specialists who ensure immediate and real-time assistance in your local language, and are committed to delivering excellent customer service.

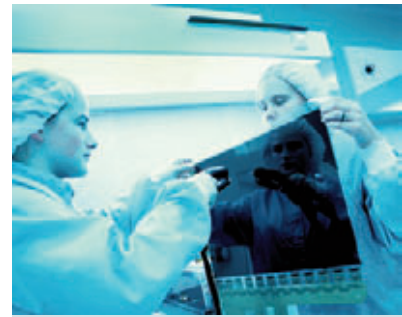
- Local point of contact
- Inquiry handling
- Emergency coverage
- Problem resolution



Hard and software maintenance

Our engineers have an in-depth knowledge of your Barco product and offer the highest level of repair services. For obsolete products, we provide a 7-year servicing period starting from the end-of-life date.

- Repairs and upgrades
- Occurrence and reliability reporting
- Software support
- Obsolescence management



Customized support

Besides our standard service offering, we provide a wide range of additional services customized to meet the extremely high demands of defense communities.

- Extended warranty
- Extended support beyond the standard 7 years
- Expedited Turn-Around-Time
- Obsolescence management beyond the standard 7 years
- Occurrence / reliability reporting

On-site assistance and training

My.barco.com

My.barco.com is our 24/7 online self service portal that gives access to:

- Driver and software downloads
- Service requests platform
- Warranty and EOL information
- Compatibilities matrices
- Online training tools & webinars

On-site support

Our team of service professionals offer the expert assistance you need at your facility.

- Maintenance and consultancy
- Preventive or remedial assistance
- Acceptance testing
- Consistency checks

Training

Our service offering includes a variety of training programs brought to you by competent instructors with extensive product experience.

- On site or remote
- Customized or standard

Our references



We have many years of experience in providing rugged systems and components to the military market. We have earned the trust of the armed forces by always succeeding in meeting - and even exceeding - program-specific requirements.

As a proud supplier to the land-based community, you will find us on board of these armored vehicles, air defense systems, artillery systems, and UAV ground control stations:

AIV • Arthur • Astros II GCS • Bionix • Bowman • Boxer •
Bronco • Caesar • Cobra • Crotales GCS • FRES SV • Fuchs •
GEFAS • Giraffe • Hermes GCS • IBCS • KZO GCS • Leopard
II • M-109 • MCP • MPCV • NLOS-C • Pandur • Patriot GCS •
Predator GCS • Puma • SKY Ranger • Shadow GCS
• Starstreak • Terrex • Terrier • Titan • Trojan
• VAB • VBCI • VBL Source • Vulture GCS •
Watchkeeper • Wiesel



About Barco

Barco, a global technology company, designs and develops visualization products for a variety of selected professional markets: medical imaging, media & entertainment, infrastructure & utilities, traffic & transportation, defense & security, education & training and corporate AV.

In these markets, Barco offers user-friendly imaging products that optimize productivity and business efficiency. Our innovative hard- and software solutions integrate all aspects of the imaging chain, from image acquisition and processing to image display and management.

Barco for defense and aerospace

At moments of decision, Barco is there to enhance mission effectiveness and bring critical sensor information to the operator. As no other visualization company, Barco gives operators and decision-makers the power to see their high-resolution images in real time, wherever they need them. Barco has been serving the defense and aerospace community for over 30 years, providing reliable and high-performance software solutions, high-quality rugged displays, deployable workstations, advanced imaging platforms, and Common-Operational-Picture solutions.

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M00005-R02-1111-MB November 2011

Photo courtesy of AAI Corporation, BAE Systems, Krauss-Maffei Wegmann, MBDA (Daniel Lutanie), Northrop Grumman, Raytheon Company, Rheinmetall Landssysteme GmbH, Saab Microwave Systems, SIN Atlas, U.S. Air Force Photo, US Army

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