CONNECTED
AND PROTECTED:
SUPPORTING SERVICE PERSONNEL
IN THE MOMENTS THAT MATTER

MOTOROLA SOLUTIONS
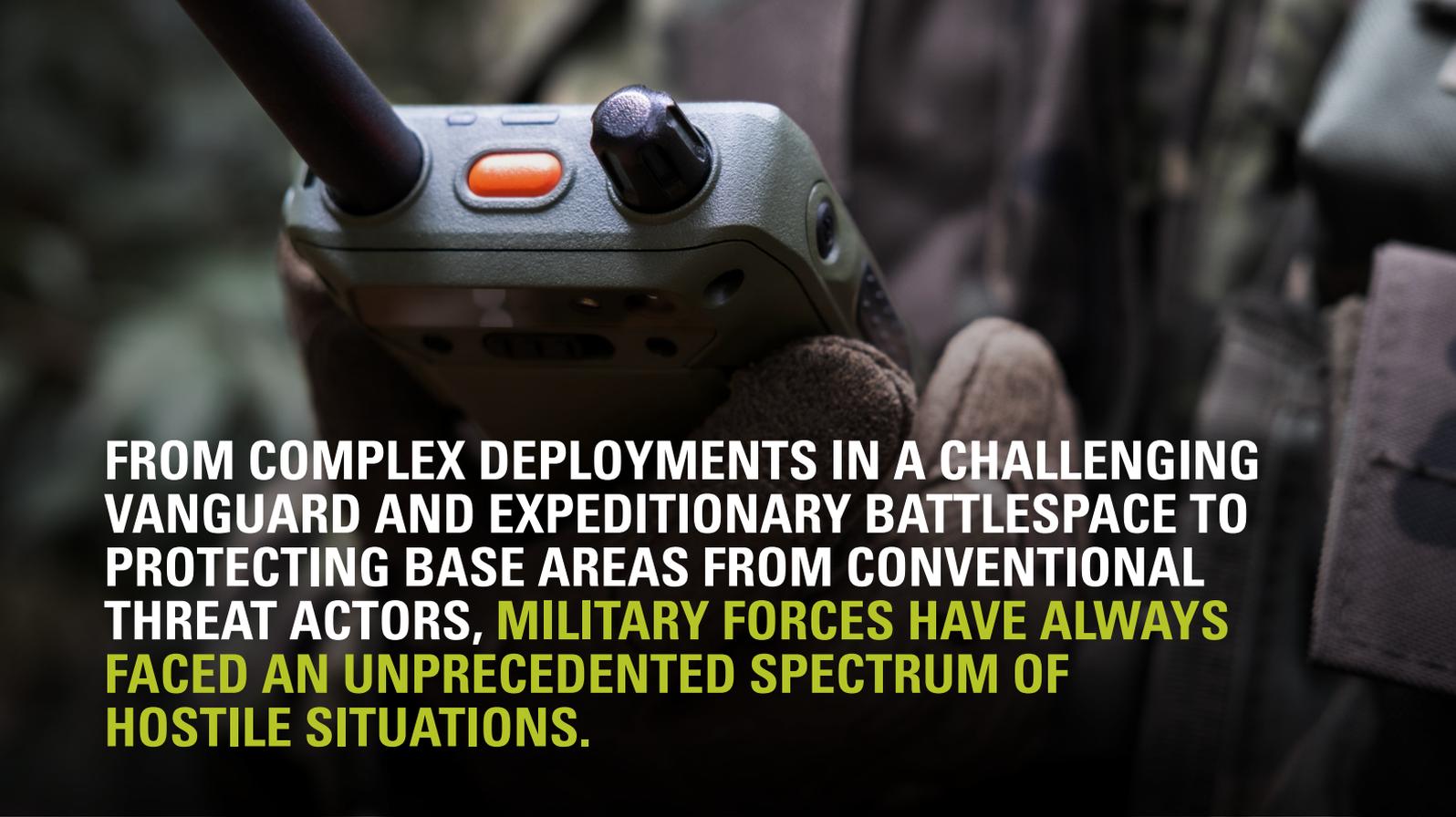
FROM COMPLEX DEPLOYMENTS IN A CHALLENGING VANGUARD AND EXPEDITIONARY BATTLESPACE TO PROTECTING BASE AREAS FROM CONVENTIONAL THREAT ACTORS, MILITARY FORCES HAVE ALWAYS FACED AN UNPRECEDENTED SPECTRUM OF HOSTILE SITUATIONS.

TODAY, DIGITAL TRANSFORMATION AND THE MIGRATION TO NETWORK-ENABLED OPERATIONS ENGENDER NEW CHALLENGES:

cyber attacks on command and strategic communication assets, breaches of classified information, and risks to national security. Often reliant on outdated technologies, defence organisations are growing more vulnerable to these evolving threats.

Back at base, there is a focus on providing a safe and secure space to live, and deliver immersive training to enhance the personal improvement of service personnel. Their efforts can be compromised by a lack of appropriate technology: they require systems that offer protection and deliver insights day and night to heighten situational awareness, helping personnel to triage, assess and monitor potential threats. Immersive training can be achieved by providing dynamic after-action reviews, and assessing the performance of an exercise in slow-motion, in the appropriate learning environment.

INTEGRATED SOLUTIONS
FOR BETTER OUTCOMES

A PROUD PARTNER TO ALLIED NATIONS ACROSS THE WORLD, AT MOTOROLA SOLUTIONS WE'VE DESIGNED AND BUILT DEFENCE TECHNOLOGIES FOR **THE UK ARMED FORCES, GERMAN ARMED FORCES, THE US NAVY, THE US OFFUTT AIR FORCE BASE, THE POLISH ARMY AND THE US FEDERAL GOVERNMENT.**

Our innovative solutions deliver technology at the forefront of expeditionary deployments, and in pursuit of interoperable technologies, we've driven multiple innovations across P25, TETRA and DMR Land Mobile Radio (LMR), 4G and 5G LTE, tactical HF and VHF radio, Wi-Fi and tactical deployable communications.

We leverage AI-enabled advancements in video solutions to establish interoperability between disparate systems and improve communication. This helps to solve security and tactical operation challenges, delivering comprehensive situational awareness and providing enhanced levels of protection - resulting in better outcomes across the whole force.

UNIFIED MISSION-CRITICAL VOICE COMMUNICATIONS WITH INTEROPERABLE LMR

MOBILITY AND TACTICAL COMMUNICATIONS

VIDEO SURVEILLANCE AND INFORMATION MANAGEMENT SYSTEMS
(including access control solutions) leveraging AI, both on-premise or accessible via the cloud

COMMAND AND CONTROL SOLUTIONS

INTEGRATED CYBERSECURITY SERVICES

FORCE PROTECTION ON-BASE AND IN THE FIELD

DEPLOYABLE (HYBRID) COMMUNICATIONS SYSTEMS

COMMUNICATIONS IN EXTREME TACTICAL ENVIRONMENTS

SHIP-WIDE COMMUNICATIONS

This diverse portfolio of solutions meets various high-level certifications including JITC, NIAP, CSfC, and FIPS.

JITC CERTIFIED

NIAP

CSfC
TRUSTED INTEGRATOR

FIPS VALIDATED 140-2

DEFENCE | CONNECTED AND PROTECTED

LAND
MOBILE RADIO
COMMUNICATIONS

CUSTOMERS
—
CITIZENS

VIDEO
SECURITY &
ACCESS CONTROL

COMMAND
CENTRE
SOFTWARE

MANAGED &
SUPPORT SERVICES

UNIFYING VOICE, VIDEO, DATA AND ANALYTICS, OUR INTEGRATED MISSION-CRITICAL TECHNOLOGY ECOSYSTEM IS THE FIRST OF ITS KIND, PROVIDING A LIFELINE THAT SERVICE PERSONNEL DEPEND ON TO SUCCESSFULLY INFORM, LEAD AND CONDUCT THEIR MISSION.

INTELLIGENCE FOR EVERY STAGE OF YOUR MISSION

IN TIMES OF CONFLICT, OUR TECHNOLOGY IS DESIGNED TO HEIGHTEN YOUR INTELLIGENCE GATHERING CAPABILITIES - WHEREVER DUTY TAKES YOU.

WE CAN HELP YOUR DEFENCE TEAMS STAY CONNECTED AND PROTECTED, AND SECURE YOUR MISSIONS BY ENABLING YOU TO:

INFORM

LEAD

CONDUCT

INFORM YOUR MISSION

GAIN VALUABLE INTELLIGENCE TO SUPPORT YOUR OPERATIONS AND YOUR COMMUNITY

Detect, identify, classify and track people and items of interest with our advanced sensor systems, designed for integration across your community. Use our broad range of tools to map your personnel and resources, ensuring the right intelligence reaches the right people.

LEAD YOUR MISSION

VISUALISE AND RESPOND TO INTELLIGENCE WITH MAXIMUM SITUATIONAL AWARENESS

Our suite of Command Centre solutions help you to map your intelligence for a thorough visual picture, and can be leveraged as standalone solutions or alongside existing applications.
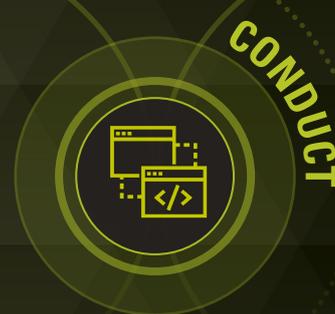
CONDUCT YOUR MISSION

SHARE INTELLIGENCE ACROSS ANY DEVICE, NETWORK OR APPLICATION

Leverage a variety of networks with our portfolio of secure communications systems and devices - including P25, TETRA and DMR Land Mobile Radio (LMR), 4G and 5G LTE, tactical HF and VHF radio, Wi-Fi and tactical deployable communications. In the cloud or on-premise, our solutions seamlessly integrate with your existing situational awareness applications.

PROTECT

PROTECT YOUR MISSION

We incorporate video security and access control, body-worn and in-vehicle cameras, and ANPR and analytics to provide heightened levels of protection for each stage of your mission.

DEFENCE | CONNECTED AND PROTECTED

SUPPORTING THE SITUATIONS
YOU ENCOUNTER

CRUCIAL CONNECTIONS

We enable mission-critical connections for service personnel, providing both tactical and deployable communications out in the field - across training estates, when out of range of the core system and back at base. Our technology combines communications, video and analytics to drive efficient event management and help support immersive training.

Personnel can review drills and practises, and contribute to their execution via a live-feed, supporting improved training performance and maintaining a high standard of health and safety.

UNPARALLELED PROTECTION

Our ecosystem embraces the 'whole force' approach, as determined by the Centre for Defence Studies (CDS) in the Department of War Studies, King's College London which: "... was developed to ensure that Defence was able to harness an integrated mix of Regular, Reserve, civilian and contractor personnel to deliver military effects in a resilient, efficient and cost-effective way[1]." We have the relevant technology to deliver a sustainable long-term investment which will benefit everyone, for any given task.

Combining video security cameras, access control, infrastructure management and application software with AI-enabled analytics, personnel can transition from field to base securely.

Efficiently manage fleet entry into base by detecting vehicle number plates with our fixed and mobile Automatic Number Plate Recognition (ANPR) cameras, and blue force tracking.

Our access control solutions manage the entire site security - including granting base access. The data this generates provides powerful insights which allow you to make smarter decisions and drive operational efficiencies.

Using our advanced range of video surveillance cameras - including thermal, multi-sensor and high resolution - monitor critical areas of the base including command and control, and accommodation. Establish perimeters to protect service personnel and respond quickly to suspicious activity and potential threats.

Rapidly triage incidents and accurately classify them using advanced video analytics, including embedded best-in-class algorithms across our technology ecosystem.

Improve the safety, security and accountability of your service personnel with body-worn cameras (BWC) for base security.

USING INTENTIONAL DESIGN TO ENHANCE THE LIVED EXPERIENCE OF SERVICE PERSONNEL

THROUGH INNOVATION, COLLABORATION AND SUSTAINABILITY, OUR SOLUTIONS BREAK DOWN COMMUNICATION AND OPERATIONAL TECHNOLOGY BARRIERS, IMPROVING THE ENVIRONMENT FOR THOSE WHO SERVE.

WE INNOVATE

Market-leaders in defence technology, we prioritise contributing to the advancement and development of future-proof solutions to support our forces. Across borders and between forces, the interoperability of our systems, software and devices is imperative, ensuring consistent compatibility and a long-term investment.

WE COLLABORATE

At Motorola Solutions we design and build defence technologies in partnership with those who serve. Leveraging the experiences of defence teams, we develop solutions to improve operations and transform safety.

WE CHAMPION SUSTAINABILITY

We understand the impact of the supply chain and meet industry best practice at each stage, adhering to human rights, supplier diversity and fair labour practices; we are committed to working both sustainability and fairly.

By 2050, we aim to achieve net zero emissions. To reach this target we have adopted carbon reduction targets, and completed or implemented several measures and projects since the 2020 baseline, as detailed in the **Motorola Solutions UK Limited Carbon Reduction Plan**.

Our **climate strategy** recognises our responsibility to minimise our carbon emissions, and adheres to science-based methodologies. These include setting the goal to reduce our scope 1 and 2 emissions by 95% by 2031, making greener purchasing decisions and enhancing energy efficiency.

ENHANCING LIVED EXPERIENCES

Each of these components reinforces our ability to build technology that supports operations while enhancing communications during peacetime and in times of conflict. From intelligent security systems that mobilise service personnel across the base - allowing them to access gyms and media rooms freely through smart access control systems, to leveraging thermal cameras and AI to detect unauthorised visitors, these advancements create a better, safer working environment.

If you would like to discuss your own requirements please get in touch to:

BOOK CONSULTATION

For more information, visit **motorolasolutions.com/defence**

[1] Gearson, John Dr., Berry, Phillip Dr., Devanny, Joe Dr. and Musgrave, Nina Dr., 'The Whole Force by Design: Optimising Defence to Meet Future Challenges', Kings College London, October 2022, www.kcl.ac.uk/warstudies/assets/whole-force-by-design-serco-institute-kcl-report-final-13.10.20.pdf

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