



Creomagic Expands Tactical Communications Ecosystem with the Launch of CreoEdge-Dome at DSEI 2025

Creomagic's new solution delivers wide-area coverage and secure, high-bandwidth performance – keeping deployed forces seamlessly connected across the most challenging environments.

Rehovot, Israel – September 3, 2025. *Creomagic Ltd., a leading developer of advanced communication technologies, will unveil **CreoEdge-Dome**, a new tactical broadband communications solution with full, 360-degree coverage, that merges the resilience of MANET (Mobile Ad-Hoc Networks) technology with the capacity and efficiency of tactical cellular concepts. This milestone in Creomagic's tactical communication solutions addresses one of the most pressing challenges in modern operations – maintaining secure, high-capacity connectivity across broad operational zones without any infrastructure.*

Deployed mission-critical teams, from rescue units to security forces, cannot afford a moment of downtime. They need secure, high data rate connectivity everywhere, all the time. To achieve their mission objectives, they must operate as a single coordinated and effective entity, yet in practice are often spread across challenging terrains or regions lacking in infrastructure, not to mention congested and contested electronic environments. It is no surprise then that traditional comms systems struggle to deliver reliable, real-time connectivity across broad geographic zones, leaving gaps that compromise mission success. That is where Creomagic's new platform comes in. **CreoEdge-Dome** operates as an easy-to-deploy, omnidirectional hub that creates a persistent, AI-assisted communications bubble for high-capacity voice, video and data transmission – regardless of any existing infrastructure.

Inspired by 5G-grade efficiency, **CreoEdge-Dome** features dynamic resource scheduling and sectorized antennas with seamless sector handover. This allows users to move between sectors without interruption or having to re-establish links, delivering full, uncompromised, 360-degree coverage for ground, naval and joint-operation tactical units. Rugged and rapidly deployable, this “*mobile tactical communications tower*” provides throughput of up to 80 Mbps and wide-area coverage, with mast-mounted broadband reach for tactical zones, forward units and HQ links, along with long-range or directional links for bridging dispersed MANET clusters (thereby extending operational range). Capable of being vehicle- or carrier-mounted, CreoEdge-Dome transforms into a mobile broadband hub for surrounding units, seamlessly relaying video and data up the chain of command. CreoEdge-Dome integrates CreoNet advanced technologies, including MIMO technology, high-speed connectivity, dynamic spectrum management, smart power management, as well as frequency hopping capabilities and real-time intelligent interference avoidance – all to ensure stable communications for deployed forces in congested or contested RF environments. In addition, its self-forming, self-healing MANET architecture delivers built-in robustness and adaptability for any mission. Whether on land, at sea, or across multi-domain operations, CreoEdge-Dome delivers more data, less interference and a truly stable connection, enabling close coordination, instant intelligence sharing and enhanced situational awareness – without complex setup or the need for any additional equipment or mechanical tracking.



"CreoEdge-Dome was developed in direct response to operational demands from the field," explained Alexander Shapochnik, CreoMagic's CEO. "Deployed units need broadband connectivity everywhere, all the time – and CreoEdge-Dome delivers exactly that: secure, reliable communications over wide areas, without regard to the limitations of any fixed infrastructure. By seamlessly integrating with our existing systems – from CreoHub for infantry and mission-critical teams to CreoEdge for vehicles and maritime platforms – we are extending Creomagic's tactical communications ecosystem into a complete, end-to-end, multi-domain network. This marks a true leap forward in how tactical networks are deployed and sustained."

Creomagic will be showcasing CreoEdge-Dome along with its full range of advanced communications solutions for ground, marine and aerial platforms at DSEI 2025 (London, United Kingdom, 9-12 September, Stand# N11-216).

About Creomagic Ltd.

Creomagic develops and manufactures innovative communications solutions that form intelligent Mobile Ad-Hoc Networks (MANETs), designed for mission-critical teams and tactical operations. Their radio technology provides users with reliable, secure and resilient on-the-go communication networks for any mission. Operationally proven, their solutions serve key defense players worldwide, including tactical teams, ground robotics, maritime applications and a wide range of UAS manufacturers. Creomagic solutions are engineered and fine-tuned by a highly experienced team, committed to the highest standards across their products and services. With customer needs paramount, Creomagic invests in constant development and innovation, providing tailored tactical solutions and ensuring crucial operational advantages for each mission.

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