

A Focus on Technological Advancements in Warfare

TECHNOLOGICAL LESSONS FROM THE UKRAINE CONFLICT

JUPITER, FL, UNITED STATES, February 2, 2025 /EINPresswire.com/ -- Learning from the ongoing conflict in Ukraine, valuable lessons have emerged about the role of technology in modern warfare. AGIS Inc. has been at the forefront, adapting their technologies based on real-world experiences and challenges.

The Ukraine conflict has highlighted the significant impact of advanced technologies such as drones and enhanced surveillance. These innovations have changed the nature of warfare, making it crucial to understand and adapt to new battlefield conditions.



AGIS 3D on Handheld

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The Ukraine conflict has significantly changed the way wars will be fought. It is essential that U.S. Command, Control, and Communications systems reflect this fact.”

Cap Beyer, CEO

Addressing GPS and RF Jamming

One major lesson learned is the need to combat GPS and Radio Frequency (RF) jamming. AGIS has enhanced its systems to ensure accurate positioning and reliable communication even under these challenging conditions. For maintaining operational effectiveness and safety for troops, this is vital.

Importance of Secure Communication

The conflict has underscored the necessity of secure and efficient communication. By leveraging satellite

technologies and improving RF transmission methods, AGIS has learned and made improvements on how to maintain situational awareness and command effectiveness in [disrupted environments](#).

Integrating Multiple Data Sources

Another key takeaway is the integration of various data sources. By combining [satellite imagery](#), [sensor data](#), and [ground truth information](#), AGIS has demonstrated how a comprehensive view of the battlefield can improve decision-making and response times.

Real-Time Updates and Tracking
 Real-time updates and tracking have proven essential. Technologies like [UAV swarms](#) and lightweight biometric smartwatches provide conduits of critical information, enhancing everyone's situational awareness and operational coordination.

The conflict in Ukraine has provided significant insights into the use of technology in warfare. These lessons are essential for future conflicts, to keep our military better prepared and equipped to handle the challenges of modern warfare.

See a video of AGIS capabilities here <https://www.agisinc.com/videos/SFA-2024.mp4>

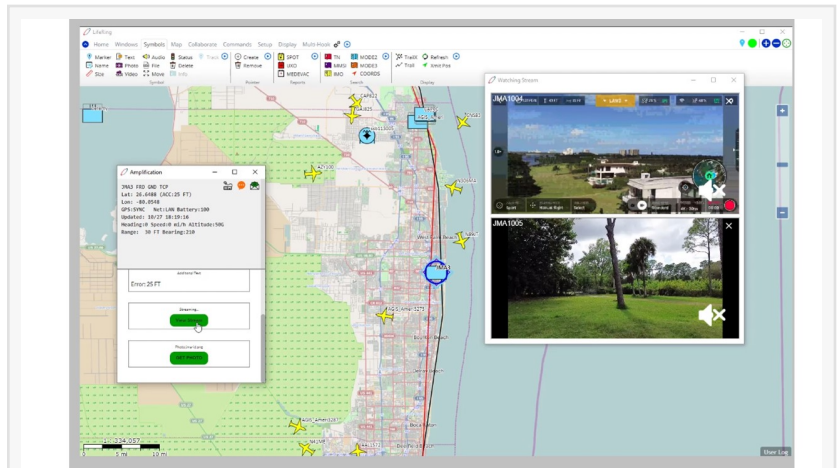
For information, contact Cap Beyer at beyerm@agisinc.com or at 561-744-3213.

To get the latest version of any Thick client apps, go to www.agisinc.com/download

To try the AGIS Web client system, go to either www.liferingmilitary.com _or_ www.liferingfirstresponder.com

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Small Drones on COP at the Command Center

#	FEATURE CHANGE	AGIS RESPONSE
1	GPS Jamming	Developed an independent location determination system based on use of LifeRing software and satellite maps
2	RF Communications Jamming	Teamed with Cloud WAN Solutions to provide a transport communications layer that rapidly shifts data exchange to non-jammed communications paths
3	RF Targeting	Developed software that substantially lessens the ability of hostile forces to RF Target our transmissions,
4	UAV Swarms	Developed software to track UAV swarms using relatively low cost Echodyne Radars and McQ sensors.
5.	Notify all of UAV attack	Send UAV ATTACK data to individual Soldiers Biometric Smartwatch so that they are aware of the UAV Locations relative to their location.
6.	Small Low cost Satellite Communications	Integrated our software to operate using StarLink and StarLink Mini systems
7.	Enhanced Multi Domain Common Operational Picture (COP)	Integrated Commercial Satellite ELINT, Imagery and SAR processing and Aircraft and Ship Location data with the COP enabling the operator to amplify received Friendly and Hostile tracks with imagery and ELINT information
8.	Satellites and their overpass times.	Integrated in a manner that permits the operators to easily view all satellite locations and determine their overpass times of Friendly, Unknown and Hostile Forces

Ukraine Lessons and Features Implemented

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