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FOR IMMEDIATE RELEASE

Shell Shock Technologies' Groundbreaking Study Reveals 30 Percent Weight Reduction in Ammunition Can Save Lives and Enhance Military Efficiency

New findings demonstrate that lighter ammunition reduces troop casualties, improves mobility, and increases battlefield effectiveness.



Eubank, KY (March 2025) – In December 2024, [Shell Shock Technologies](http://www.shellshocktech.com), LLC. (SST), a leading innovator in the ammunition industry, released a pioneering analysis, *Weight Reduction of Lighter Weight Ammunition & Its Impact on Troops and Aircraft / Vehicles*, highlighting the life-saving benefits of its innovative lightweight ammunition. The study, based on over 885,000 simulations, confirms that a 30 percent reduction in ammunition weight significantly enhances soldier survivability, mobility, and endurance.

A key finding reveals that for a 13-member Marine Rifle Squad engaging an enemy in a defensive position, rushing across 100 meters of rough desert terrain, a 15 lbs. weight reduction for troops can cut squad casualties from 8.9 to 3.5 per engagement. With ammunition accounting for 8 lbs. per troop, a 30 percent reduction (2.4 lbs. per troop) contributes to 16 percent of the total weight savings—potentially saving one troop per engagement.

Beyond reducing casualties, SST's lightweight ammunition improves combat efficiency by allowing soldiers to carry more rounds without increasing their load, boosting mobility and agility in the battlefield. This improved efficiency allows for faster deployment and reduced physical strain. Lighter loads also lessen fatigue, enabling troops to operate at peak performance for longer durations in high-stress environments.

"Our latest research underscores the critical role that weight reduction plays in battlefield survivability," said Peter Foss, Managing Partner and CEO of Shell Shock Technologies. "By reducing the weight burden on troops, we're not just improving mobility and endurance – we're saving lives. This innovation has the potential to redefine combat effectiveness for military forces worldwide."

Shell Shock Technologies remains committed to developing cutting-edge solutions that enhance operational efficiency and soldier safety. To learn more about the impact of lighter-weight ammunition, visit Shell Tech's [website](#) and social media platforms: [Facebook](#), [Instagram](#), and [YouTube](#).

About Shell Shock Technologies and Shell Tech Ammo:

[Shell Shock Technologies, LLC](#) (SST), headquartered in Eubank, Kentucky, is a leading innovator in advanced ammunition case design and manufacturing. Since 2015, Shell Shock has supplied hundreds of millions of high-performance cases to commercial ammunition companies, U.S. defense contractors, and international defense allies. The company's patented, lightweight, and durable cases are engineered to enhance precision, reliability, and functionality across a variety of applications. Expanding on this legacy, Shell Shock introduced Shell Tech, a new line of factory-loaded, hand-inspected ammunition designed for hunters, sports shooters, and defense professionals. Produced at our Calhoun, Georgia facility, Shell Tech ammo brings unmatched quality, accuracy, and consistency directly to consumers.

Committed to ongoing innovation, Shell Shock's engineers continually develop advanced materials and processes, including pioneering lightweight ammunition links for belt-fed machine guns. With a focus on performance, dependability, and customer satisfaction, Shell Shock and Shell Tech set a new standard in ammunition technology.

For more information, please visit www.shellshocktechnologies.com or follow us on Instagram at [@shellshocktech](#).