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Shell Shock Technologies' Groundbreaking Study Reveals Lighter Ammunition Enhances Combat Readiness, Mobility, and Troop Safety

New findings demonstrate that lighter ammunition makes for stronger forces, enhancing mobility, efficiency, and safety for warfighters.

Eubank, KY (March 2025) – In December 2024, [Shell Shock Technologies](http://www.shellshocktech.com), LLC. (SST), a leading innovator in the ammunition industry, released groundbreaking findings in its study, *Weight Reduction of Lighter Weight Ammunition & Its Impact on Troops and Aircraft / Vehicles*, demonstrating that a 30 percent reduction in ammunition weight significantly enhances combat readiness. By improving mobility, reducing fatigue, and increasing operational efficiency, SST's innovative [lightweight casing](#) provides troops with a critical advantage on the battlefield.

Reducing the weight of carried ammunition directly impacts troop survivability and mission success. SST's advanced casing technology offers multiple benefits:

- **Enhanced Mobility and Agility:** Lighter ammunition allows troops to move faster, maneuver more effectively, and respond swiftly to threats in dynamic combat environments.
- **Reduced Fatigue, Increased Endurance:** Carrying less weight lowers physical strain, helping soldiers sustain energy and peak performance over longer missions.
- **Greater Load Capacity and Readiness:** With a reduced combat load, troops can carry additional critical supplies, such as medical kits, extra munitions, or advanced communications equipment, improving mission adaptability.
- **Improved Long-Term Health and Safety:** Reducing the weight burden minimizes the risk of chronic injuries, such as joint and back strain, leading to a healthier, more capable fighting force.

"Combat readiness is about speed, endurance, and effectiveness in high-stakes environments," said [Peter Foss](#), Managing Partner and CEO of Shell Shock Technologies. "Our lightweight casings give warfighters the mobility and stamina they need to outmaneuver threats, sustain peak performance, and carry essential gear without added burden. We're proud to equip the modern soldier with the tools to fight smarter and more effectively on the battlefield."

SST's cutting-edge technology has drawn strong interest from both U.S. and allied military forces. Over the past several years, the company's lightweight ammunition has contributed to multiple successful military Requests

for Proposals (RFPs), demonstrating superior performance in rigorous testing environments. While many specific military programs remain undisclosed due to non-disclosure agreements (NDAs), SST has confirmed it has received multiple Indications of Interest (IOIs) for 7.62 rifle and machine gun rounds, totaling over \$200 million in potential contracts. To meet growing demand, SST is actively engaging with leading defense contractors to scale production.

While SST's primary focus remains military applications, the company has also introduced its [Shell Tech ammo](#) line for civilian use. Manufactured and sold directly to consumers, Shell Tech offers military-grade performance at a cost comparable to traditional brass-cased ammunition.

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](#).