



## **FOR IMMEDIATE RELEASE**

### **MEDIA CONTACT**

Molly Leggett (321) 631-3550

[mleggett@mainstream-engr.com](mailto:mleggett@mainstream-engr.com)

## **Mainstream Engineering Awarded a Contract for Caseless Ammunition Research.**

ROCKLEDGE, FL — June 1<sup>st</sup>, 2023 — Mainstream Engineering Corporation has been awarded a contract from the US Naval Air Warfare Center to further refine Experimental Techniques for Caseless Ammunition Studies.

Developments of new propellant formulations, propellant ignition methods, and ammunition concepts for caseless ammunition require greater understanding of the ignition and propellant combustion process. Mainstream successfully designed, manufactured, and demonstrated an ammunition characterization and evaluation (ACE) test system that monitors and records projectile's start of motion in the chamber and position along the barrel. Mainstream has experimentally demonstrated the ability to observe combustion phenomena and projectile start of motion. Combustion gases and projectile position data along the barrel can be recorded. As part of this continuing effort, Mainstream will demonstrate a second-generation ACE system that incorporates in-chamber and in-barrel pressure and temperature measurements.

### **About Mainstream Engineering Corporation**

[www.mainstream-engr.com](http://www.mainstream-engr.com)

Mainstream Engineering Corporation is a 37-year-old Brevard County, Florida manufacturer with a history of leading-edge research and development that has resulted in advanced cost-competitive products, which are made in the USA. Founded in 1986, Mainstream's mission is to transition advanced R&D into high-quality, environmentally-safe, green, commercial products using lean manufacturing techniques. Areas of research include thermal control, energy conversion, power electronics, biomass conversion, chemical technology and materials science.

### **UNSUBSCRIBE**

If you no longer wish to receive press releases from Mainstream Engineering Corporation please click [here](#).

Mainstream Engineering Corporation - 200 Yellow Place - Rockledge, FL 32955