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Mainstream Engineering Awarded a Contract from the Army for an Improved Autoinjector

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Chemical agents, such as organophosphorus nerve agents (OPNAs) and other non-traditional chemical agents of concern, can exert life threatening effects within a short period of time after exposure. Exposed individuals require immediate delivery of medical countermeasures to improve the chances of survival. Medical countermeasure autoinjectors are critical medical devices that allow timely delivery of lifesaving medications in austere environments. Military autoinjector devices must be sufficiently robust to ensure the device is functional when needed. Hence, improvements are needed in autoinjector device design, to increase reliability and ruggedness. Currently available designs can be damaged either in shipment, or when the autoinjector is being deployed and will result in a failure of the fielded device. Mainstream's improved design is resistant to these failures and will be tested to military standards to quantify the improvements.

About Mainstream Engineering Corporation

www.mainstream-engr.com

Mainstream Engineering Corporation is a 39-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. 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 autonomous operation, AI, robotics, thermal control, energy conversion, power electronics, biomass conversion, chemical technology and materials science.

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