



## FOR IMMEDIATE RELEASE

### MEDIA CONTACT

Lily Galleo (321) 631-3550

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

## **Mainstream Engineering Awarded a Contract from the Department of Energy for Advanced Heat Exchangers for Fuel Cells**

ROCKLEDGE, FL — September 13<sup>th</sup>, 2023 – The relatively low operating temperatures of proton exchange membrane fuel cells necessitate large thermal management systems. For fuel cells to be a viable replacement for diesel engines in heavy-duty vehicles (100-450 kW power range) novel compact heat exchangers must be developed to reduce the size, weight, power, and cost of the fuel cell assembly. Mainstream is leveraging their experience in advanced compact heat exchangers to develop an advanced fuel cell heat exchanger. The direct result of Mainstream’s advanced technology is an improvement in overall efficiency and reduced total costs of heavy-duty fuel cell powered electric vehicles, which will pave the way for greater adoption of fuel cell technologies and reduce our dependence on fossil fuels. In addition to enabling large fuel cell powered heavy duty vehicles, our compact radiator technology is widely applicable to the automotive industry.

### **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.

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