



University of Dayton  
Research Institute

|||  
► CAPABILITIES

# DEPLOYABLE FUEL DESULFURIZATION

## CAPABILITIES

- Point-of-use desulfurization
- Aviation and diesel fuel feedstocks desulfurized to ULS and sub-ULS levels
- Successful ULS desulfurization on 2200 ppm jet
- 300 GPD-scale transportable technology at TRL 6
- Scalable and modular
- Estimated processing cost < 50¢ per gallon
- Product meets composition and property specifications
- Deployable configuration and logistic burden
- Ambient temperature and pressure operation



## APPLICATIONS

- JP-8 for fuel cell reformers; for hydrogen vehicles
- Point-of-use for small-scale fuel cells
- Desulfurization to specification-grade for diesel ground equipment and vehicles
- Desulfurization of marine fuels to meet IMO regulations

