

Runner-up Partnership
Scott Deiter, Naval Surface Warfare Center Indian Head
Solid Gas Generator

A Cooperative Research & Development Agreement (CRADA) between Halkey-Roberts and the Navy Surface Warfare Center – Indian Head is developing BTAZ as a solid gas generator for inflation devices. Currently, life vests and life rafts used by the U.S. military are inflated using very heavy CO₂ cylinders. The cost savings to the military in terms of weight reduction alone are in the thousands of pounds per ship if BRAZ, packaged as 1.75 inch cartridges, replaces the 60-year old CO₂ technology.

In the collaboration, NSWC-Indian Head will develop formulations based on BTAZ, with the appropriate parameters provided by Halkey-Roberts. There is need for an additional collaborator for an appropriate ignition device and need for another collaborator in the camping and boating industries.

For more information, contact Scott Deiter at john.deiter@navy.mil.