Motor Ignition Capabilities
CAPABILITY SHEET

DESCRIPTION:
EBAD’s Arm/Fire Device (AFD) and Ignition Safety Device (ISD) products prevent unintended functioning of the rocket or missile motor. Motor Ignition capabilities include a Thru-Bulkhead Initiator (TBI) which provides for solid rocket motor initiation, while maintaining a robust barrier to the high pressure gases created during motor burn. The motor initiation is ultimately accomplished through the shock initiation of an energetic material through a stainless steel bulkhead. EBAD has extensive pedigree with these components, having manufactured volumes in excess of 10,000 units.

KEY FEATURES:
- Demonstrated nearly 100% reliability (99.95%)
- No moving parts, barriers or motors on all electronic ISDs that feature Low Voltage Input architecture
- Reduced weight, cost and complexity by replacing expensive Safe & Arm and transfer line systems
- AFDs/ISDs are MIL-SSTD-1901-A compliant
- Electromechanical AFDs/ISDs have proven performance on multiple platforms
- Hybrid AFDs/ISDs merge electronic controls with classic robust electromechanical design

PROVEN PEDIGREE WITH SUCCESSFUL FLIGHT PROGRAMS:
- GMLRS
- Hellfire
- SM-3
- AMRAAM