MORE THAN 50 YEARS OF EXPERIENCE IN DESIGNING AND MANUFACTURING ADVANCED ROCKET MOTORS AND SPACE APPLICATIONS. THE PRODUCT PORTFOLIO ALSO INCLUDES A FAMILY OF ROCKET WARHEADS.
MISSILE PROGRAMS

**AMRAAM®**
- Rocket Motor for Air-to-Air Missiles, also used in NASAMS
- Prime Contractor: Raytheon Missile Systems

**SIDEWINDER**
- Rocket Motor for Air-to-Air Missiles
- Prime Contractor: Diehl BGT Defence

**IRIS-T**
- Rocket Motor with TVC for Air-to-Air Missiles
- Prime Contractor: Diehl BGT Defence

**ESSM**
- Rocket Motor for Ship Self Defense Missiles
- Prime Contractor: Raytheon Missile Systems

**IDAS**
- Rocket Motor for Submarine launch
- Prime Contractor: Diehl BGT Defence

**IRIS-T SL**
- Rocket Motor with TVC for Air Defence
- Prime Contractor: Diehl BGT Defence

**EXOCET**
- Anti-Ship Missile Booster Motor with TVC
- Prime Contractor: MBDA

**NSM**
- Anti-Ship Missile Booster Motor
- Prime Contractor: Kongsberg

**PENGUIN**
- Anti-Ship Missile Booster Motor
- Prime Contractor: Kongsberg
ROCKET WARHEADS

**MPP (70 MM WARHEAD)**
- Multi-Purpose Penetrator (MPP)
- Insensitive Munitions (IM)
- Light and heavy targets

**ELECTRONIC FUZES FOR WARHEADS**
- Increased accuracy
- For guided applications
- Programmable delay

SPACE PROGRAMS

**ARIANE-5**
- Separation &Acceleration Motors and Safe & Arm Devices
- Prime Contractor: Airbus–DS

**HYBRID ROCKET PROPULSION**
- Development of Green Propulsion for ESA
- Solid Fuel & Liquid Oxidizer (H2O2) Technology

**HOT GAS THRUSTERS**
- Development of Green Propulsion for ESA
- Monopropellant utilizing H2O2 technology

**NORTH STAR ROCKET FAMILY**
- New generation environmentally friendly sounding rockets
- Modular, safe and affordable orbital launcher
TECHNOLOGY AREAS

THRUST VECTOR CONTROL (TVC)
- Advanced design capabilities
- Thousands of units delivered

THROTTLEABLE ROCKET MOTORS
- Monopropellant Thrusters
- Hybrid Motors
- High energy
- Minimum smoke

NEXT GENERATION PROPELLANTS
- High energy
- Minimum smoke

CARBON-CARBON/SIC MANUFACTURING (C-C/SIC)
- Advanced design capabilities
- High capacity manufacturing facility

STEEL MOTOR CASE MANUFACTURING
- Forging, EB welding, machining, CMM and NDT
- Large sizes and complex geometry