

Nammo

THE POWER BEHIND TOMORROW'S TECHNOLOGY
MISSILE PRODUCTS



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



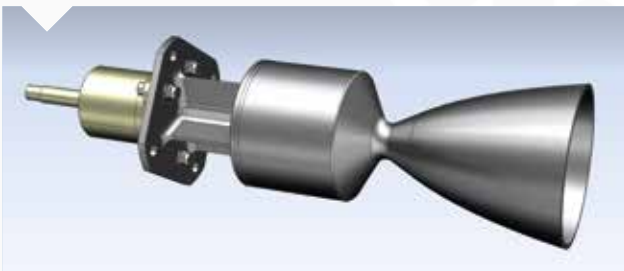
- Separation & Acceleration Motors and Safe & Arm Devices
- Prime Contractor: Airbus-DS

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

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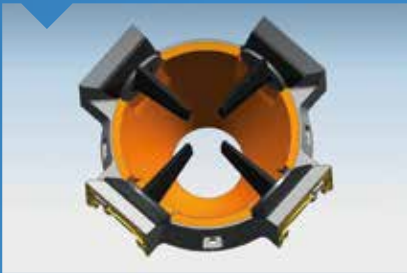
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TECHNOLOGY AREAS

THRUST VECTOR CONTROL (TVC)



- Advanced design capabilities
- Thousands of units delivered

THROTTLEABLE ROCKET MOTORS



- Monopropellant Thrusters
- Hybrid Motors

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