SEATTLE OPERATIONS

Pyrotechnically Driven Device Development

OTS FACILITIES | SEATTLE, WA

LOCATIONS

North Creek Development Center

- 11714 North Creek Parkway North, Suite 200 Bothell, WA 98011-8250
- 425 420 9300

Moses Lake Production Center

- 9256 Randolph Road NE Moses Lake, WA 98837-9397
- 509 762 5381

FAST FACTS

- Precision pyrotechnically driven systems for inflation and dispense applications
- Parachute deployment systems for planetary and interplanetary missions
- Fire suppression systems for aviation platforms
- Guidance, Navigation and Control Systems for munitions
- Airframe, Aerodynamics and Propulsion
- Captive prototype machine shop, GN&C, electronics and pyrotechnic test labs with skilled, experienced machinists and technicians
- Experience in a lean, entrepreneurial environment

LOCATION OVERVIEW

Seattle Operations primary area of expertise is the development of unique pyrotechnically driven devices for a wide variety of commercial, military, and space applications where solutions to technically challenging problems are needed. One of our major product lines are gas generators, where hot gas produced from solid propellant is used to perform mechanical work, typically by providing thrust, driving a piston, or inflating an airbag.

Our portfolio of products includes solid propellant gas generators, inflators for Mars landing attenuation bags, parachute deployment systems for Mars and Earth entry spacecraft, crash protection airbag inflators, submunition/kinetic dispensers, fire suppressors, and buoyancy systems to recover practice torpedoes.

Since 2003, Seattle Operations has made significant advances in Guidance, Navigation and Control technologies for use on low cost precision guided munitions (PGMs) including a variety of mortar rounds. These technologies have been successfully demonstrated on the 81mm RCGM, 120mm APMI, 120mm HEGM and 155mm PGK-AJ. We have assembled a highly skilled engineering team to support these programs including systems engineering, modeling and simulation, electrical and software engineering.

Propellant manufacturing and production assembly is performed at our Moses Lake production center. The 250 Acre facility has the capacity to support large production programs with modular production lines that can be adapted for specific program needs.

The Moses Lake facility is also ideal for outdoor testing that can support pyrotechnic and solid rocket motor development.

KEY PROCESS CAPABILITIES

- Design, systems engineering, electrical, structural, aeroballistic, thermal, materials and manufacturing engineering capability
- 40 Multi-Discipline Engineers / 13 Advanced Degrees
- Rapid product prototyping and development
- Secret facilities in support of classified data and meetings
- Manufacturing of multiple propellant configurations for numerous customers using wet and dry processes
- Assembly, Inspection and Lot Acceptance Testing
- Missile, Munitions and Projectile system development testing (indoor and outdoor)

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