

Propulsion Test Technician

Advanced Mobile Propulsion Test (AMPT) is seeking a Propulsion Test Technician to be a key member of the team responsible for maintaining and operating the AMPT hot-fire propulsion test facility. This technician will be the primary person responsible for cold-flow laboratory test execution and critical hardware management with an emphasis in rocket engine assembly, disassembly, and decontamination. The technician will be a hot-fire test team member, deploy test facility improvements, and maintain and improve key operational processes.

Advanced Mobile Propulsion Test is a space propulsion testing and engineering services company located in Durango, Colorado. AMPT was founded in 2009 to support development and qualification of spacecraft boost and attitude control propulsion systems. AMPT was founded on the belief that we could provide a level of customer service, innovation, efficiency, and responsiveness unparalleled in the aerospace industry. AMPT has performed over thirty thousand hot-fire tests for commercial and government customers including Aerojet Rocketdyne, Boeing, Raytheon Missile Systems, the Air Force Research Laboratory, NASA, the Missile Defense Agency, and others.

AMPT offers employees a challenging and varied work environment, enabling them to take on a variety of roles and make a substantial impact on company success. The Propulsion Test Technician will be critical to AMPT's program success and customer satisfaction by providing well-executed and managed test operations.

Our headquarters and primary test facility are located in Durango, Colorado, a beautiful small town in Southwest Colorado. Durango is an outdoor-lover's paradise, being at the foot of San Juan Mountains and near the desert of Southeast Utah, and offers easy access to some of the best skiing, rafting, camping, hiking, mountain biking, climbing, and fishing in the country. Despite being located far from any large cities, Durango is a vibrant community boasting an impressive array of local restaurants and businesses.

Job Details

The Propulsion Test Technician will perform as a member of the project and test team for program execution:

- Support test program facility buildup and test equipment upgrades
- Manage the test articles (engine), including test article buildup, disassembly, and decontamination at program completion.
- Perform laboratory cold flow tests on thruster hardware, summarizing the resulting data and providing reports.
- Act as a core member of the hot-fire test operations team, eventually able to cover all major operational roles including Procedures and Controller.

The technician will own select test facility and operational processes in support of our quality system and maximizing operational efficiency:

- Create, follow, and improve processes for managing test equipment maintenance, instruments requiring external calibration, customer hardware, and spare parts.
- Contribute to the definition and ongoing improvement of test operations methodologies, including procedure updates and process improvements.

The technician will perform ongoing test equipment and facility maintenance to keep the equipment in optimal operating condition.

This position reports to the General Manager.

Required Competencies

A well-qualified candidate will have an associate's or bachelor's degree in a science or engineering-related discipline along with at least 3 years working in a laboratory environment or maintaining chemical handling equipment.

The ideal candidate for the Propulsion Test Technician will:

- Possess excellent attention to detail, being able to follow strict procedures when dealing with sensitive engine hardware and perform precise laboratory experiments with extensive data gathering.
- Have solid mechanical skills and ability to build and maintain chemical handling equipment such as pumps, valves, regulators, etc.
- Have excellent computer skills and ability to understand and operate the hot-fire test data acquisition and control system.
- Approach work with a process mentality, being able to develop, follow, and improve processes within a disciplined quality environment.

This position will require the ability to work extended shifts (12 hours) during test programs. The Propulsion Test Technician's duties will involve performing physical work around hazardous chemicals that require personal protective equipment such as Self-Contained Breathing Apparatus (SCBA).

AMPT Benefits

In addition to providing competitive wages, AMPT offers a competitive benefits package that includes:

- Paid holidays and vacation
- Health, Dental, and Vision Insurance
- SIMPLE IRA retirement plan with company match
- A flexible work schedule
- A challenging and dynamic work environment