

PTi

PHILLIPS TECHNOLOGY INSTITUTE

Academia | Industry | Government

Email: PTi@kirtland.af.mil

Web: <http://prs.afrl.kirtland.af.mil/PTi>

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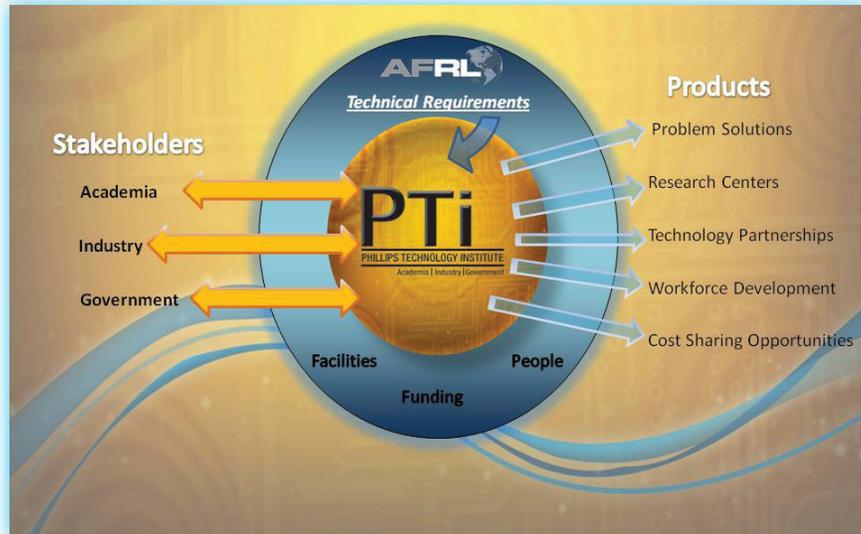


Energize and facilitate a community of
innovation for AFRL

AFRL 

What is PTi?

The Phillips Technology Institute, or PTi is part of the Air Force Research Laboratory (AFRL) and serves the Lab by bringing in collaborative partners from Academia, Industry, and Government and applying AFRL resources (funding, people, and facilities) to develop products that meet both Air Force and partner needs.



Goals

- Educate** the local community about AFRL needs and business opportunities.
- Energize** the local S&T environment to meet Air Force needs.
- Collaborate** with academia, industry, and government to develop innovative solutions to Air Force requirements.
- Create** the physical and business environment for mutually beneficial collaborations with academia, industry, and government.
- Leverage** the Air Force's strategic investment in science and technology.
- Develop** a well qualified workforce for AFRL and its collaborative partners.

PTi Collaboration Center

The PTi Collaboration Center's Mission is to provide a comfortable, neutral environment to support the nation's professionals in brainstorming, problem solving and creative design.

The PTi Collaboration Center offers modern meeting facilities to collaborative partners. The Center's space is flexible; through the use of folding partitions and movable furniture the center can transform to accommodate your function. It can simultaneously provide individual work space to varying configurations of teams (up to four 10 to 30-person teams). The Center can also operate as a space to conduct courses, or to support large meetings and conferences of up to 260 people.

The Collaboration Center is located in Building 1900 at Kirtland Air Force Base, near the Air Force Research Laboratory Directed Energy and Space Vehicles Directorates. It is approximately two miles from the Albuquerque Sunport and its surrounding hotels.

To make your reservation please contact the Collaboration Center Manager:

Jennifer Donaldson
(505) 853-7676

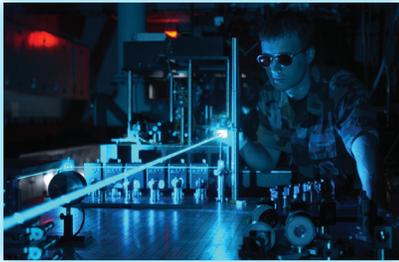
Email: pti.collab.ctr@kirtland.af.mil



Government

State and Local Government

PTi works actively with state and local government agencies from New Mexico and surrounding states involved in economic and workforce development and education. These interactions are intended to make these agencies aware of AFRL needs and business opportunities and to energize the local and state environment to meet those needs.



The state and local Governments benefit through:

- Economic development
- High paying jobs
- Increased tax revenue
- Research Recognition

The Lab contracts out approximately 80 percent of its \$700 million annual research and development budget. Contracted dollars from AFRL and other Kirtland-based organizations can support economic development through creation or expansion of high tech businesses, growth of high tech jobs and increased tax revenue.

Air Force, Other Government

PTi actively promotes collaborations with other Government research organizations including: other AFRL Directorates, other DoD and Service Laboratories, and other Federal research organizations such as NASA, NSF and the DOE Labs. These other Government stakeholders benefit by:

- Research amplification
- Resource leveraging
- Faster, more effective technology transition/transfer

How to work with PTi

PTi makes strategic investments to facilitate the creation and execution of collaborations. The institute prefers to work at the intersection zone between AFRL and the private sector. It principally invests in areas where there are both AFRL needs (Directed Energy and Space Vehicles) and private sector interest.

PTi Collaborative Project Criteria

Required:

- Has a military customer and clear transition path
- Satisfies technology needs/gaps for the Air Force and has a strong AFRL Stakeholder
- Return on investment (e.g. accelerated technology development, new capabilities, enhanced workforce)

Desired:

- Cost sharing opportunities
- Applicability outside of DoD – commercial, Other Government
- Supports N.M. and regional economic development
- Benefits from academia/industry (small and large) /government (local, state and federal) teaming



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Academia

PTi actively promotes increased interactions with local, regional, national and minority academic institutions. PTi offers research opportunities for professors and students on real-world problems. It also helps university researchers gain access to AFRL test facilities and equipment. PTi promotes and sponsors research opportunities for professors and students, as well as encourages development of new curriculum and degree programs in areas of interest to AFRL.



Academic partners benefit through:

- Increased research opportunities on real world problems
- Access to Phillips Research Site facilities and equipment
- Additional students/course offerings
- Student employment opportunities

One of PTi's major goals is to help provide a well-qualified pool of job applicants for AFRL and its collaborative partners. PTi ties into AFRL's extensive university outreach programs. On-site summer internships are offered each year to high-school through college graduate students under the Phillips Scholars and Directed Energy and Space Scholars programs. For younger students, the AFRL La Luz Academy works to interest 5th-12th graders in science, technology, engineering and mathematics through a variety of hands-on activities. Additionally, the University Nanosat Program encourages the next generation of space professionals, namely U.S. university students, to competitively design, build, test, launch and operate a small-satellite.

Industry

PTi initiates, develops, manages, and transitions innovative collaborations with Industry. Collaborations can generate required technologies for the Air Force and expedite transition of new technologies to operational use.



Industry partners benefit through:

- Early access to and influence on emerging AF technologies and system concepts
- Resource sharing
- Commercialization opportunities
- Qualified workforce

PTi can get you in touch with AFRL subject matter experts and help you gain access to AFRL test facilities and equipment. Finally, the extensive education outreach and workforce development programs will provide a ready source of qualified job applicants. Through collaboration, the hope is to produce required technologies for the Air Force more rapidly and at lower cost while helping grow collaborating businesses.

PTi works closely with the AFRL Technology Transfer Office and the Small Business Innovative Research (SBIR) Program.

The Technology Transfer Office has multiple ways to accomplish the transfer of technologies to the private or public sector and to work with the Air Force, especially Cooperative Research and Development Agreements, Educational Partnership Agreements, Patent License Agreements and Commercial Test Agreements.

The SBIR program funds early-stage research and development at small technology companies and is designed to stimulate technological innovation, increase private sector commercialization of federal research and development, increase small business participation in federally funded research and development and foster participation with minority and disadvantaged firms in technological innovation.