

Next Generation Aviation Research and Technology Park

Overview Briefing For:

GALLOWAY TOWNSHIP BUSINESS ASSOCIATION'S SUMMER SUMMIT AT STOCKTON

Ronald J. Esposito

Executive Director

Introduction

- Industry, Academia, and Government collaboration dedicated to the advancement of aviation sciences through private and public research and development activities
- State-of-the-Art, high technology, integrated, dynamic research environment
- Focused on technologies and innovations for domestic and global aviation
- Work closely with the FAA William J. Hughes Technical Center
- Integrate with the FAA research facilities and laboratories



Stakeholders

Congressman LoBiondo

Aviation Research & Technology Park Board of Trustees

- ★ Stockton College
- ★ Atlantic County
- ★ South Jersey Economic Development District (SJEDD)
- ★ Casino Reinvestment Development Authority (CRDA)
- ★ New Jersey Economic Development Authority (NJEDA)
- ★ South Jersey Transportation Authority (SJTA)
- ★ Private Members

Federal Aviation Administration (FAA)

- ★ Advisor to ARTP, Inc. Board

NJ Congressional Delegation

Large and Small Companies in Aviation and Related Industries

Technical Workforce

Aviation Technical Specialists

Computer Scientists

Computer Specialists

Research Psychologists

Air Traffic Control Specialists

Engineers

Mathematicians

Operation Research Analysts

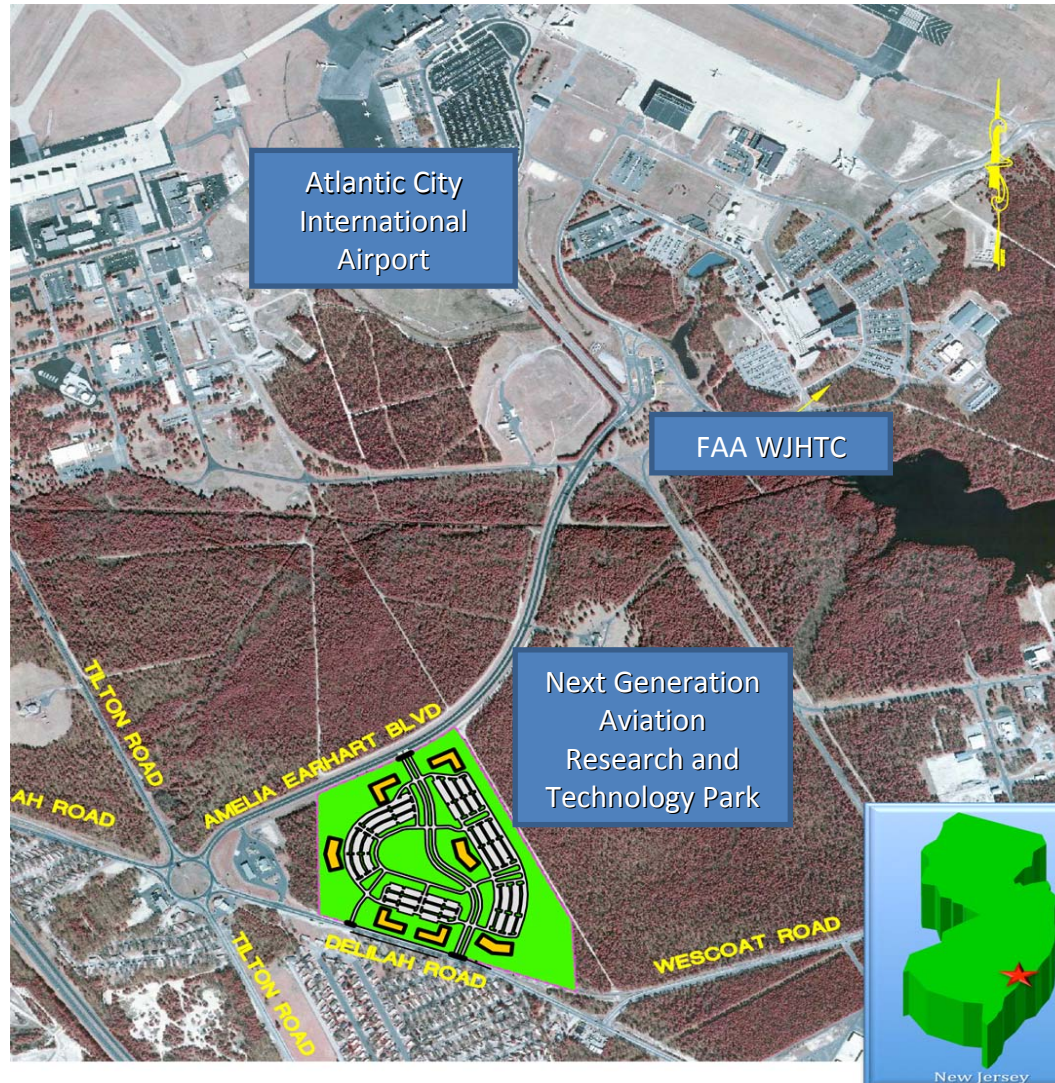
Statisticians

ARTP Features

- 55 acres leased from the FAA William J. Hughes Technical Center
- 7 multi-story buildings with over 400,000 square feet of research facilities at an estimated cost of more than \$300 Million
- Expected to employ 2,000 workers (multiplier of 2.5 outside park)
- Advanced communications infrastructure throughout the park
- Connectivity to FAA data, systems, and laboratories
- Small business incubator facilities
- Will become part of the FAA WJHTC campus that includes
 - ★ Department of Homeland Security Transportation Security Lab
 - ★ Federal Air Marshal Services Training Facility
 - ★ United States Coast Guard Station Atlantic City
 - ★ Atlantic City International Airport (ACY)
 - ★ NJ Air National Guard 177th Air Wing



Location



Aviation Research and Technology Park, Inc. → 501 Tilton Road → Egg Harbor City, NJ 08215 www.NextGenAviationPark.Org

Vision

The Next Generation Aviation Research and Technology Park will emerge in New Jersey as a collaborative, full-service, aviation research facility capable of supporting advanced R&D, product commercialization and innovation, and operations research for the international aviation community.

Some of the Research Activities

Collaborative Activities

- ★ Advanced Technology Assessments
- ★ Product Incubation and Innovation
- ★ Prototype Development and Assessments
- ★ Product Commercialization
- ★ Operational Readiness Assessments
- ★ Proof-of-Concept Studies
- ★ Operations Research



Planned Laboratories

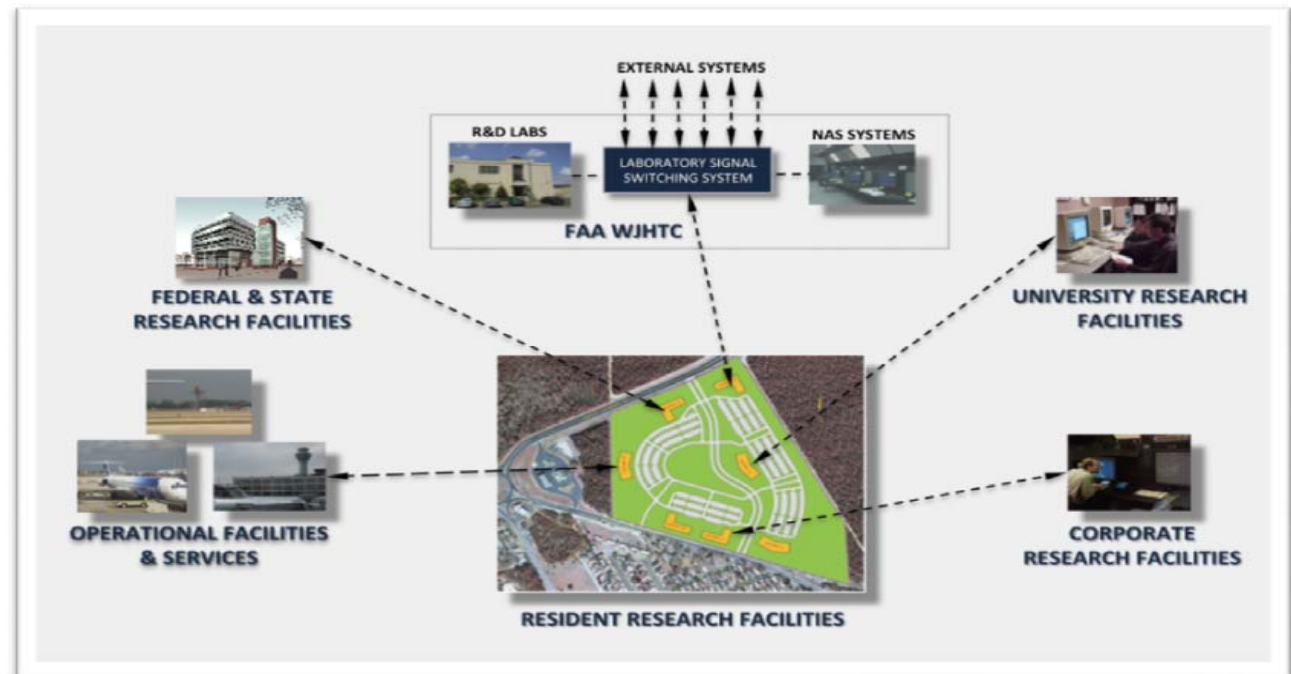
- ★ Gate-to-Gate Simulation Lab
- ★ Airport Simulation Facility
- ★ Cyber Security Lab
- ★ Airport Integrated Data Fusion Lab
- ★ Member Proprietary Labs



Research Environment

Members will also have the opportunity to have private research facilities

Integrated Laboratory will consist of many integrated systems within the global aviation system that can create a realistic operational environment.



Strategic Priorities

Create and sustain high paying professional jobs in New Jersey

Advance aviation sciences

Promote membership in the Research Park

Foster lasting relationships between Industry and University partners

Offer students the opportunity to work and interact with aviation research teams

Target Members

Academia

Aviation Engineering Industry

Aviation Support Industry

Commercial Airlines

Business Aviation

General Aviation

Pilot Organizations

Airports & Airport Organizations

Government Organizations

Aviation-Related Associations

Business Support Organizations

Membership

Membership will be a cooperative team of academia, industry, and Government organizations engaged in or supporting aviation research

Members will support the evolution of the park

Members may act as management and technical advisors

There are several levels of membership, each with specific benefits and costs

Only members may be tenants

Members are not required to be tenants

Membership Benefits

A “seat at the table” and the chance to contribute to the future of aviation

Increased visibility and business opportunities

Realistic aviation research environment

State-of-the-art laboratories integrated with FAA labs

Collaborative research opportunities

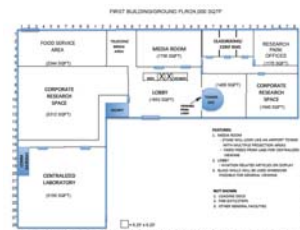
Product commercialization opportunities

NJ research and business grants, loans, and tax incentives

Front row seat at research symposiums and conferences held in the park

Tenants

- Tenants must be members of the Research Park
- The FAA has final approval of all tenants
- Tenants must sign a multi-year lease
- Tenants may meet with architects and developers to customize facilities
- Members may develop, own, and/or operate a building
- Real estate development will be based on demand for research facilities
- Tenant Conference to be held in Washington D.C. in July



Current Status

Casino Reinvestment Development Authority (CRDA) approved 2 grants valued at more than \$4M for the park
South Jersey Economic Development District (SJEDD) received more than \$15M in bonds created as part of the Stimulus Bill of 2009

Site work is underway and will be completed by October 2010

Building program will begin immediately afterwards



Current Status (cont.)

Architect selected for the first building

- ★ Award of construction contract mid October
- ★ Construction expected to begin in early 2011
- ★ First building will be completed in fall of 2011 or early 2012

Currently Seeking Industry, Academic, & Government Members and Tenants

Actively submitting Grant Requests for infrastructure and research projects



Infrastructure Work in Progress

← William J. Hughes
Technical Center



Contact Information

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