



# Partnering with NAWCAD

**22 OCTOBER 2019**

NAWCAD Industry Day

Presented by: Rick Tarr



**"Technology Transfer (T2) is the intentional communication of knowledge, expertise, facilities and equipment, and other resources for application to military and non-military systems.**

It includes:

- ***Spin-off*** activities demonstrating commercial viability of DoD-developed technologies
- ***Spin-on*** activities demonstrating national security utility of technologies developed outside DoD
- **Dual-use** science and technology that develops technologies having both defense and non-defense applications”

DoD Instruction 5535.8



# Technology Transfer Office

## *Inside the Lab*

R&D Staff

Lab Management

Public Affairs

Legal Staff

Procurement Staff

Security

NAWCAD  
Technology  
Transfer Office

### Functions:

- Supports R&D
- Coordinates transfer activity
- Assists non-Navy customers

## *Outside the Lab*

Private Sector

Academia

State and Local  
Organizations

National Networks

Professional and  
Trade Groups

Other T2 Offices

Private Equity Firms



# Agreements for Partnering



# Patent License Agreement

•75+ Patents available for commercialization

•Online listing at TechLink

•Express licensing

## NAWCAD TECHNOLOGIES

NAVY  
**NAVCLEAN DRY – An environmentally friendly formulation that...**

Navy seeking industry partners to commercialize the new dry kit formulation



NAVY  
**High-performance TCP**

Outperforms the Navy’s original TCP by 50% in salt fog tests and overcomes consistency issues with 2XXX series alloys enabling qualification for use in...



NAVY  
**Collecting and analyzing modeling and simulation data**

Faster and more comprehensive analysis leading to shorter development and test cycles



NAVY  
**Combined lidar-radar for medical imaging**

Resolution and sensitivity for

NAVY  
**Aluminum alloy for paints, anodes, and sacrificial coatings**

NAVY  
**Reconfigurable, low-latency, fiber optic LAN**

<https://techlinkcenter.org/labs/naval-air-warfare-center-aircraft-division-patuxent-river-division/>



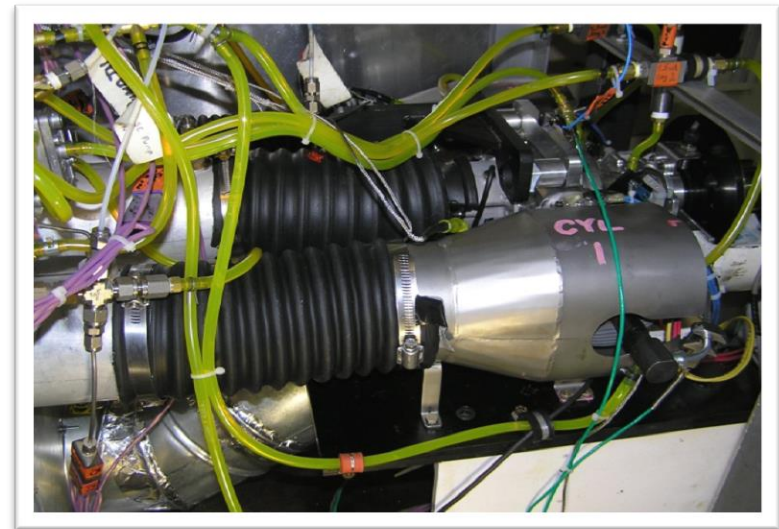
# Commercial Service Agreements



**Canadian Maritime Helicopter Program**



**Aerosonde UAS onboard RELENTLESS**

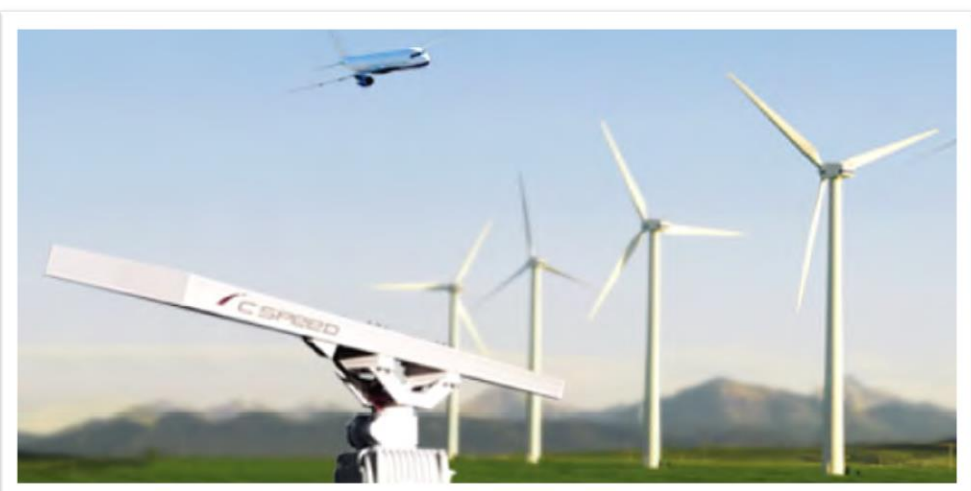


**Heavy Fuel Engine Testing**



# Cooperative Research & Development Agreement (CRADA)

Proprietary	iPhone™	Android™	FACE™
Custom Apps	Open Apps	Open Apps	Open Apps
Custom Middleware	Custom Middleware	Custom Middleware	Open Middleware
Custom OS	Custom OS	Semi-Custom OS	Open OS
Custom Hardware	Custom Hardware	Open Hardware	Open Hardware





# IMPAX

- Partnership Intermediary Agreement (PIA) with Georgia Tech Research Institute (GTRI)
- Neutral Facilitation for rapidly identifying, demonstrating, experimenting with emerging tech
- Innovative & Agile Approach:
  - Tech Scans
  - Capability Assessment Events
  - Prize Challenges / Hackathons
  - Extensive Open to All Ecosystem
- Open Access

**Join the Ecosystem!**

**Visit [HTTP://impax.tech/ecosystem](http://impax.tech/ecosystem)**





# Complementary Role



**IMPAX works in concert with NASC and AIRWorks to enable the optimal transition pathway**



# Naval Aviation OTA Consortium



<https://NASCSolutions.org>



# Questions?

**Rick Tarr**

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