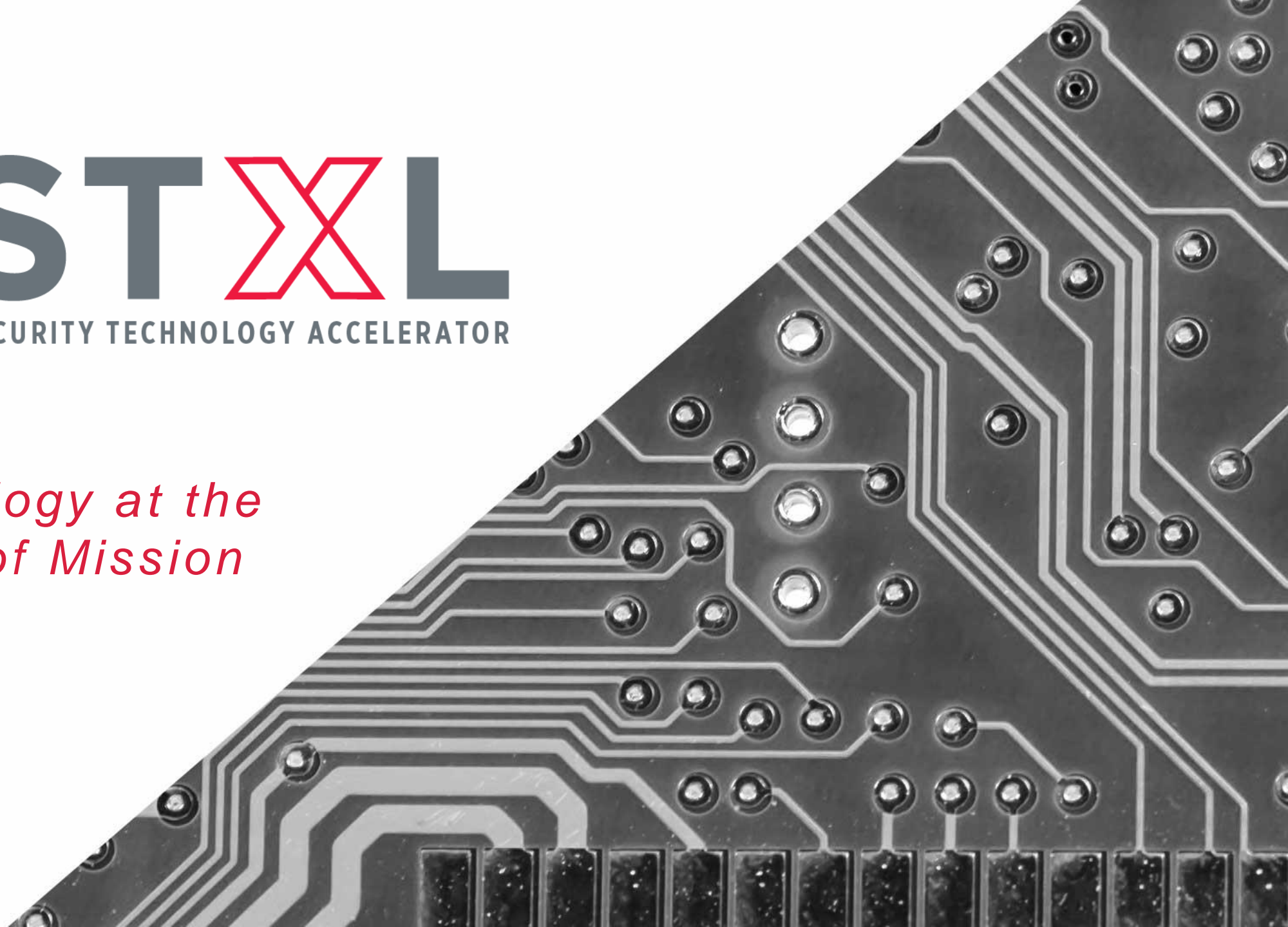


# NSTXL

NATIONAL SECURITY TECHNOLOGY ACCELERATOR

*Technology at the  
Speed of Mission*

[nstxl.org](https://nstxl.org)







# ADDRESSING EMERGING THREATS THROUGH INNOVATION

Emerging

Threats

Known

Technology  
Development

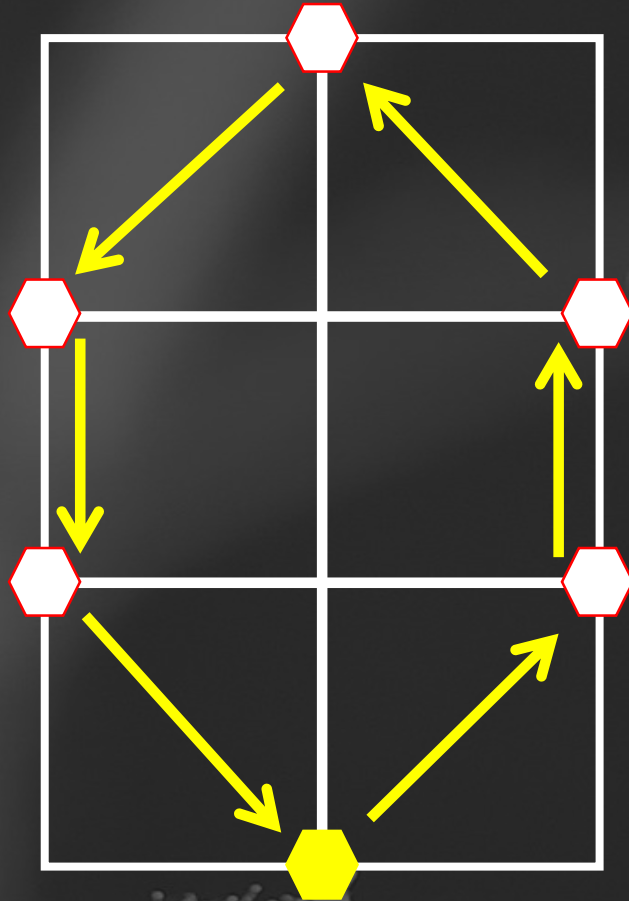
Existing

Ideation

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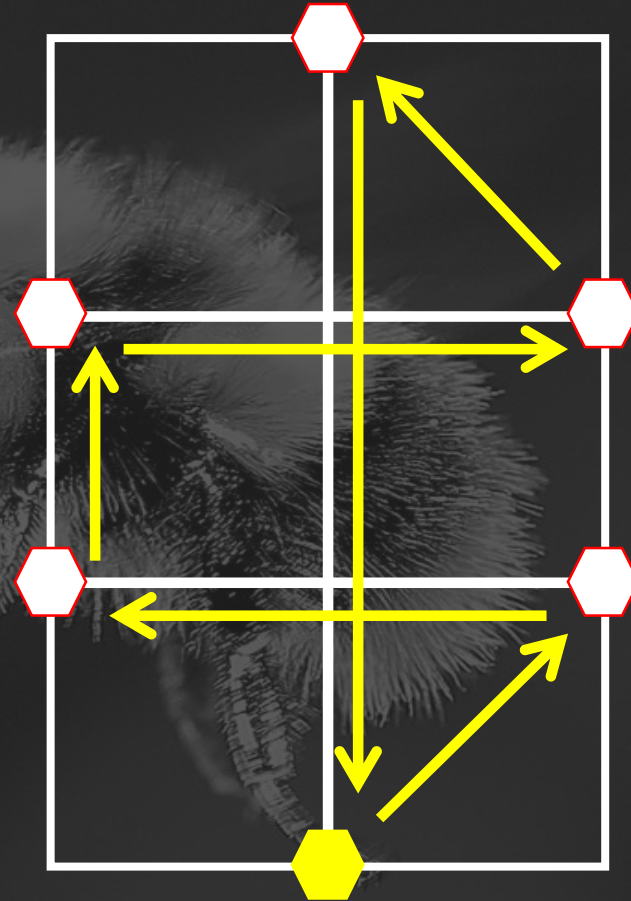


## Market Ideal



Optimal

## Mission Reality



Sufficient



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# HURDLES TO EFFICIENT PUBLIC/PRIVATE SECTOR ENGAGEMENT



## Misaligned incentives

- Market vs Mission

## Difficulty accessing the broad innovation ecosystem

- Distributed innovation (from national labs to garages)
- Global marketplace

## Disjointed programs and funding

- Differing sources for R&D, innovation and commercialization
- Valleys vs Cliffs

## Vastly different environments

- Different timelines and pace
- Different appetites for risk

# BARRIERS FOR GOVERNMENT



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- The expanding innovation base increases difficulty in technology discovery
- Lack of an honest broker to distinguish between good and bad technology
- Difficulty getting solutions on contract in a timely manner
- Non-traditional entities do not know how to perform effectively on government contracts



# BARRIERS FOR INDUSTRY AND ACADEMIA





- Confusing, complicated and costly process with which to engage
- Poor understanding of 'Defense Marketplace'
- Inability to determine viability of opportunity
- Difficulty getting solutions on contract in a timely manner

# OVERVIEW

- Non-profit membership organization
- Open-source network model
- Technology agnostic
- Primary functions
  - Prospect, vet, and develop technology
  - Mentor non-traditionals
  - Facilitate dual-use opportunity



## OUR PLATFORM

NSTXL bridges the public and private sectors to accelerate the discovery, development and deployment of innovative technology solutions for operational missions and installations of the U.S. Military at home and abroad.





AIR MOBILITY COMMAND

# Other Transaction Authority

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# BENEFITS OF OTA INCLUDE:

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- Ability to incrementally fund projects
- Easier collaboration among offices
- Low fees
- Easier teaming among performers
- Flexible IP and data rights
- Bridge to procurement



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## Our Process

### Proposed Prototype Project Description Form

- 500 Word Description
- Reviewed by ACC Orlando and PEO STRI

### Request for Solutions (RFS) or Request for Whitepapers (RWP)

- Solicitation
- Released to Consortium

### Finalize Objectives, Terms and Conditions

- Project Details
- Draft Award Package

**D-30**

**D-DAY**

**D+60**

**PRE-SOLICITTION (30-DAYS) – PROGRAM OFFICES**

**CONTRACTING (60-DAYS) – PEO STRI & ACC ORLANDO**

### Outreach

- Ideation
- Design
- Project Development

### Prototype Acquisition Approach (PAA)

- Project Details and Objectives
- Form 1144 / MOA

### Assessment of RFSs or TWP

- Review Offers
- Technical Evaluation by Government Customer
- Notify Performer(s)

### Modify OTA

- Negotiate Performer Agreement
- Start Work!

**\*The 60-day contracting timeline is triggered when initial project funding is received**



# NSTXL OTA INNOVATIONS:

- Utilize open source platform
- First OTA designed to be DOD-wide
- Ensure funded opportunities
- Create environment for teaming
- Sustained program management
- Execute customized contracts



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# Sourcing Mission and Operational Training & Readiness Solutions



Gaming  
Technology



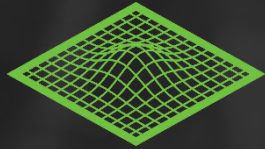
Artificial  
Intelligence



Cybersecurity



Cloud  
Computing



Synthetic  
Terrain



Virtual  
Reality



Medical  
Simulation &  
Training



Cross Domain  
Simulation



Instrumentation  
& Testing



The Training and Readiness Accelerator (TRex) expedites development, demonstration, and delivery of advanced technologies to increase Warfighter readiness.

[www.trainingaccelerator.org](http://www.trainingaccelerator.org)

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A grayscale photograph of a modern office interior. The scene features a glass-walled staircase and a glass-enclosed office space. The ceiling has recessed lighting. A large white diagonal graphic element is on the right side of the image.

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