



ARMY FUTURES COMMAND- DEVCOM FORWARD ELEMENT (AFC-DFE) ATLANTIC

How to work with U.S. Army & DoD

2024

AFC-DFE ATL | COL CHARLES SEABERRY

WHAT WE DO



- **Enable cost sharing**
- **Enhance capacity**
- **Foster interoperability**
- **Promote innovation**
- **Build trust**



“Don’t ditch soldiers for machines, combine them”

- GEN Rainey, Commanding General, U.S. Army Futures Command

INTERNATIONAL POSTURE



MISSION

Drive international defense innovation by cultivating S&T partnerships, ensuring seamless ally integration, and nurturing foundational and progressive research.

VISION

Surpassing the pinnacle of global defense through breakthrough innovations and elite strategic alliances.

DIRECTOR'S INTENT

Foster global partnerships, Drive Innovation, and Scout cutting-edge technology.

END STATE

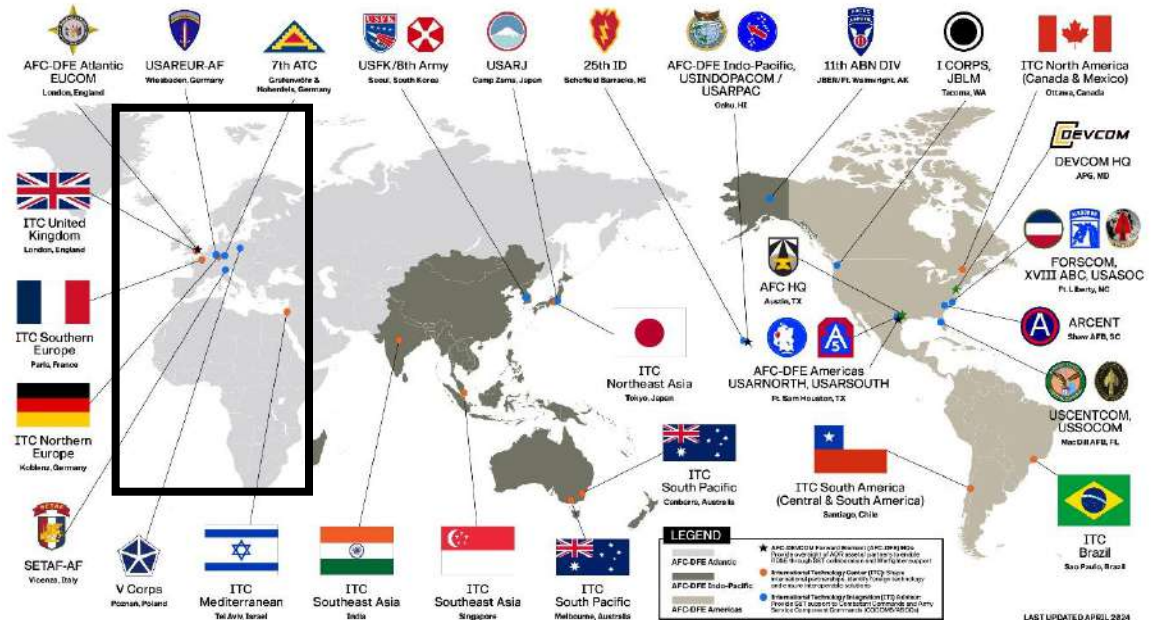
Establishing a culture of continuous innovation.

PEOPLE

Covering the globe with **65 DFE employees in 26 locations** with the direct support of **46 DEVCOM employees** in HQs and DEVCOM Centers/ARL.

Supported by approx. **300 DEVCOM Center/ARL SMEs** lending their expertise to **over 250 International Cooperative Activities**

LOCATIONS

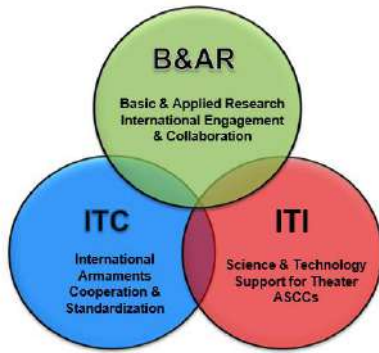


PROXIMITY BUILDS TRUST, TRUST BUILDS COLLABORATION

- Bringing the global ecosystem to bear on delivering capability for modernization
- Maintaining tech awareness and choosing partners for essential collaboration
- Remain geopolitical “partner of choice”
- “Boots on the ground” providing linkage to Centers/ARL
- Facilitate soldier touch points to shape technology and buy down risk

Enabling Army Modernization Around the World with Our Service Components, Allies and Partners

ORGANIZATION



COL Charles Seaberry
Director
 London, England

Mr. Patrick Badar
Deputy Director
 London, England



Co-located with USACE, USN, and USAF International Research Offices in London, UK

Basic & Applied Research (BAR)

Dr. Jonathan Brame
B&AR Lead Scientist
 London, England

Vacant
B&AR Scientist

- Identify and execute the award of Army relevant extramural basic and applied research overseas
- Provide support to Technology/Scientific Conferences
- Hosting ARO Forward presence

International Technology Centers (ITC)

Incoming:
LTC Robert Mullins
 DIR, ITC
 United Kingdom

Mr. Scott Cawood
 Tech DIR, ITC
 United Kingdom

LTC Erik Quiralte
 DIR, ITC
 Southern Europe

Dr. Paul Sparks
 Tech DIR, ITC
 Southern Europe

LTC Ben Hormann
 DIR, ITC
 Northern Europe

Mr. Alex Jimenez
 Tech DIR, ITC
 Northern Europe

COL Mike Fleming
 DIR, ITC
 Mediterranean

Dr. Darrin Carter
 ITI CENTCOM
 (ITC-MED)

- US to Partner Government, Academia, and Industry Collaboration
- Support ESEP Opportunities for DEVCOM Centers/Lab
- Link to Industry Overseas
- Facilitate Joint Projects and Exchange of Scientists

International Technology Integrators (ITI)

LTC Kevin Smith
 Director, ITI-Atlantic
 Wiesbaden, Germany

Dr. William Diehl
 ITI USAREUR-AF
 US Army
 Wiesbaden & Grafenwoehr, Germany

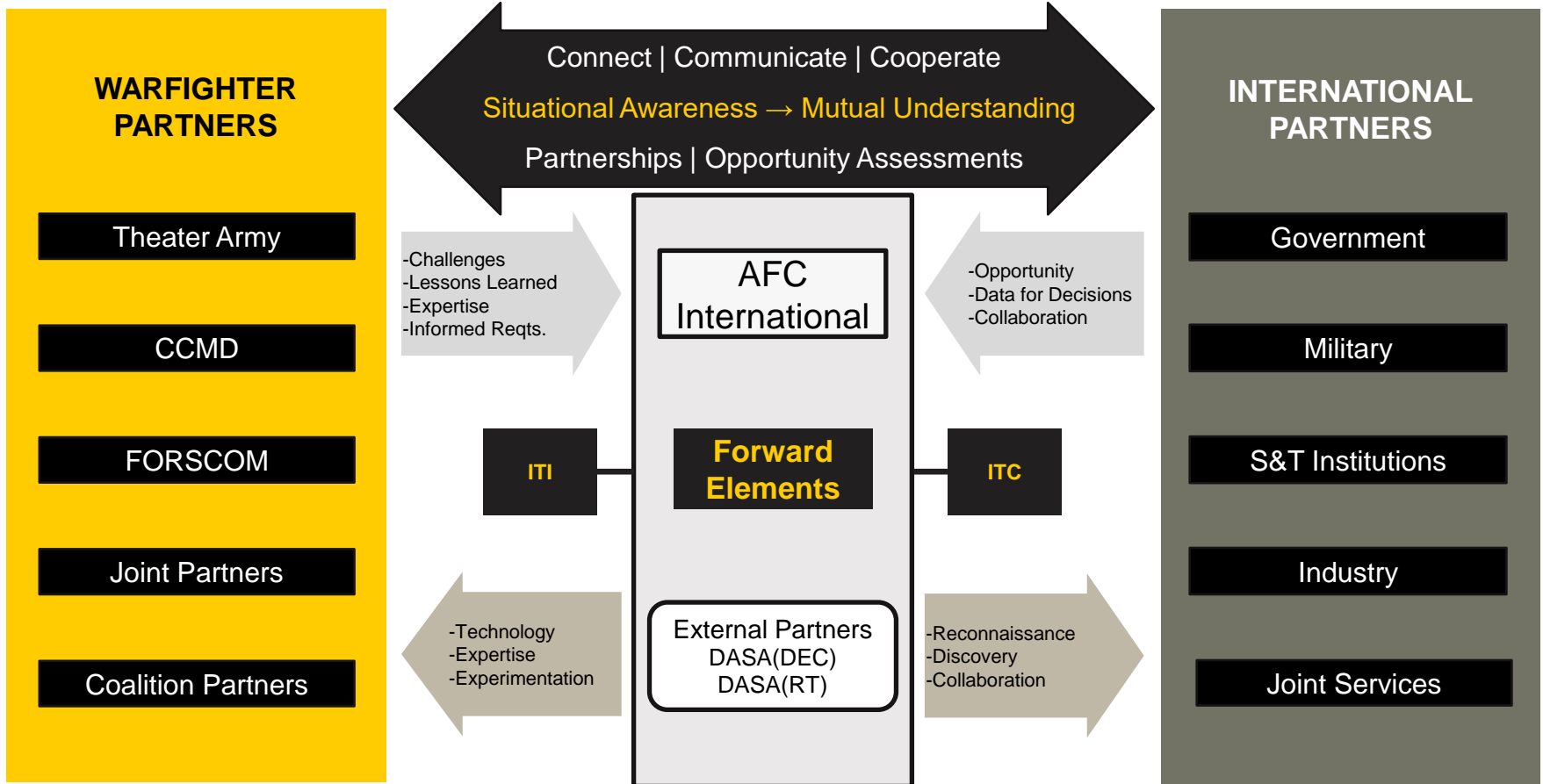
Mr. Forrest Ruble
 ITI 7 ATC
 US Army
 Europe & Africa

Dr. Hollie Ryan
 ITI SETAF-AF
 Southern European
 Task Force-Africa
 Vicenza, Italy

Vacant
 ITI V CORPS
 Fort Knox, KY

- ITI MISSION:**
- Support to ASCC needs / Integrated Priority Lists and RFIs to R&D Community
 - ASCC Link to DEVCOM Centers/Lab
 - ASCC Link to Acquisition Enterprise
 - ASCC Link to REF and RCCTO
 - ASCC Link to DoD RDT&E Community
 - Support ASCCs with exercise planning, RFI and Assessments, and insertion of DEVCOM technology

ENGAGEMENT STRATEGY




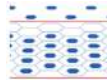








- Army Futures Command (AFC)
- Combatant Command (CCMD)
- Deputy Assistant Security of the Army for Defense Exports and Cooperation (DASA(DEC))
- Deputy Assistant Security of the Army for Research & Technology (DASA(RT))
- International Technology Integrator (ITI)
- International Technology Center (ITC)
- Science and Technology (S&T)

FACILITATE ARMY S&T INVESTMENTS



~\$6.4B annually ARMY RDTE	30K+ Scientist & Engineers	> 200 S&T Whitepapers	111 Investments with International Partners	98 of Top 200 Academic Institutions Worldwide	26 Staff in 9 locations	1 Team
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Accelerating Development of Critical Technology Areas

	Biotechnology		Advanced Materials		Integrated Network Systems-of-Systems
	Future Gen Wireless (FutureG)		Trusted AI & Autonomy		Space Technology
	Quantum Science		Microelectronics		Human-Machine Interfaces
	Renewable Energy Generation & Storage		Advanced Computing & Software		Directed Energy
	Hypersonics				Integrated Sensing & Cyber

MODERNIZATION AND RESEARCH PRIORITIES INTEGRATION



ARMAMENTS CENTER

C5ISR CENTER

AVIATION & MISSILE CENTER

SOLDIER CENTER

CHEMICAL BIOLOGICAL CENTER

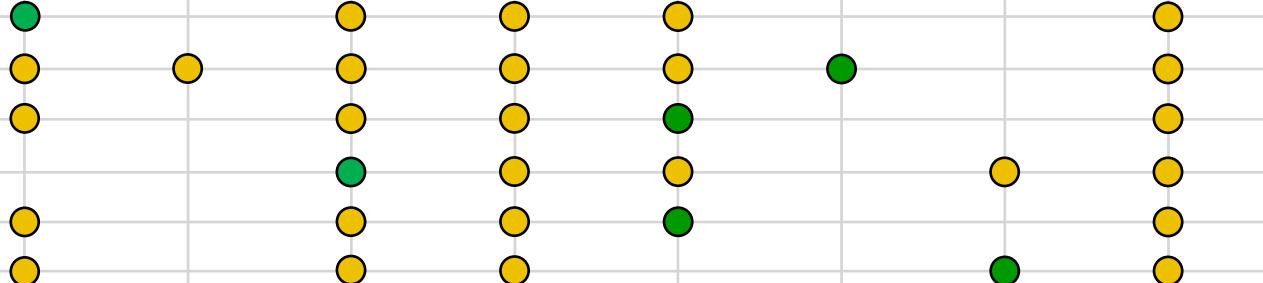
ARMY RESEARCH LABORATORY

GROUND VEHICLE SYSTEMS CENTER

DEVCOM ANALYSIS CENTER

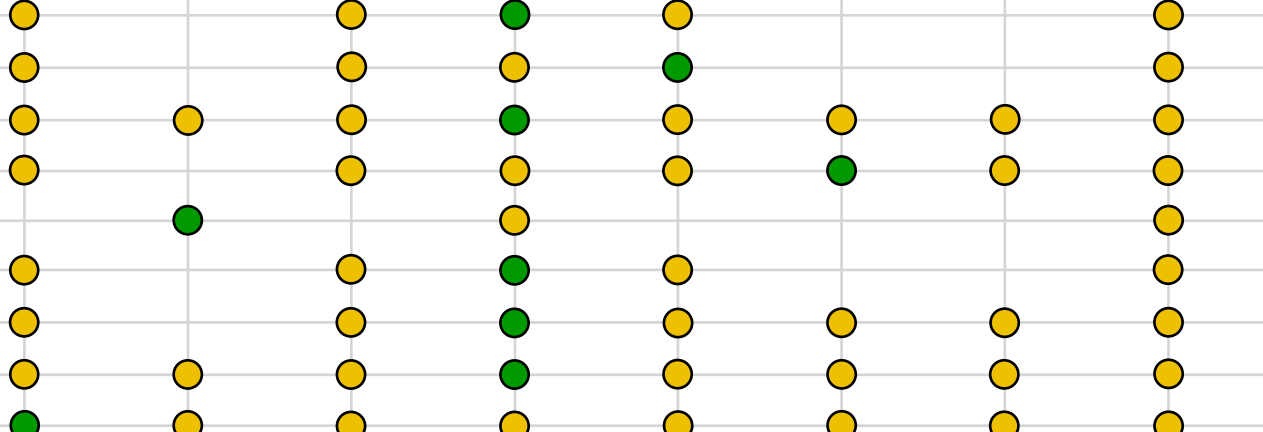
MODERNIZATION PRIORITIES

- LONG RANGE PRECISION FIRES
- NEXT GENERATION COMBAT VEHICLE
- FUTURE VERTICAL LIFT
- NETWORK C3I & A-PNT
- AIR & MISSILE DEFENSE
- SOLDIER LETHALITY



RESEARCH PRIORITIES

- QUANTUM
- HYPERSONIC FLIGHT
- ARTIFICIAL INTELLIGENCE
- AUTONOMY
- SYNTHETIC BIOLOGY
- DISRUPTIVE ENERGETICS
- RF ELECTRONIC MATERIALS
- MATERIAL BY DESIGN
- SCIENCE OF ADDITIVE MANUFACTURING



● DEVCOM Lead ● DEVCOM Investment

XTECH INTERNATIONAL 2024



<p>Part 1: Concept White paper January – February</p>	<p>xTech International Accelerator March – April</p>	<p>Part 2: Finalist Pitches May</p>
<ul style="list-style-type: none"> Eligible entities were invited to submit a short concept white paper and an optional 3-minute video outlining: <ul style="list-style-type: none"> Potential impact/ Revolutionary for DOD Technology and Concept Viability Commercialization and Potential <p> Up to 10 participants per topic selected</p>	<ul style="list-style-type: none"> The xTech International Accelerator provides an opportunity for the finalists to receive educational programming and strategic exposure leading up to the finals. Provides networking opportunities to help grow their companies for military and commercial users. <p></p>	<ul style="list-style-type: none"> Finalists will have an opportunity to conduct an in-person to a panel of DoD and international experts. The finals event will occur in May and will consist of a 20-minute pitch followed by a 10-minute Q&A session with the panel of judges. <p> \$500,000 (approx.) in prizes to be awarded</p>

Additional Benefits

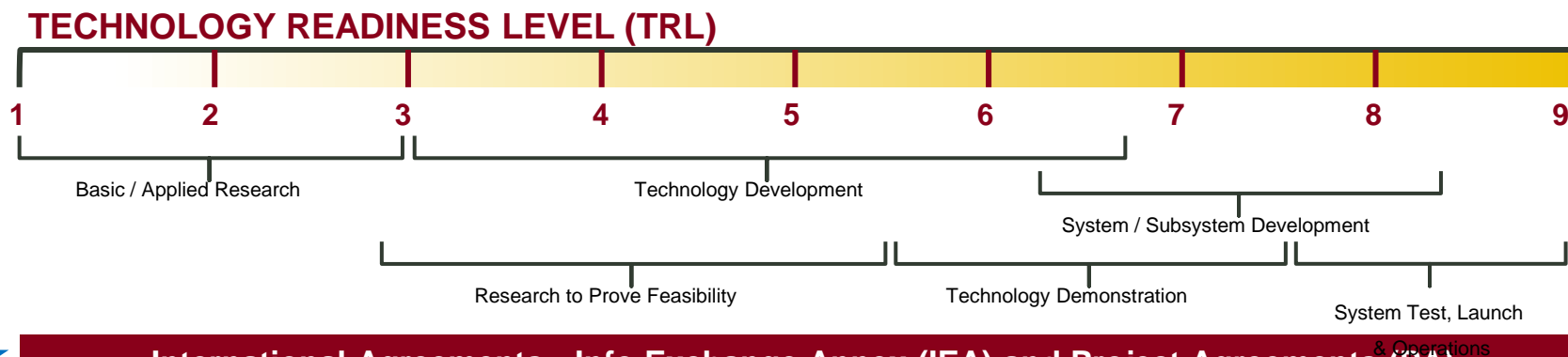
<p>Transparent and Detailed Feedback from Multi-Disciplinary Expert Networking</p>	<p>Direct access to DoD and Foreign International Stakeholders</p>
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Partner Agencies:

The Office of the United States Assistant Secretary of the Army for Acquisition, Logistics, and Technology (ASA(ALT)), U.S. Army Futures Command (AFC), U.S. Army Combat Capabilities Development Command (DEVCOM), ATL, GVSC, ARL, Soldier Center (SC), U.S. Army Corps of Engineers, Engineer Research and Development Center (ERDC), U.S. Office of Naval Research Global (ONR-G), U.S. Department of Homeland Security (DHS), NATO Defense Innovation Accelerator North Atlantic (DIANA)

COLLABORATION TOOLS



★★ International Agreements - Info Exchange Annex (IEA) and Project Agreements (PA)

★ Engineer and Scientist Exchange Program (ESEP)

★ Basic and Applied Research Grants

★ Foreign Technology Assessment Support (FTAS)

★ Foreign Comparative Test (FCT)

★★ Coalition Warfare Program (CWP)

Cooperative Research And Development Agreements (CRADA)

Cooperative Agreements (CA)

Funding

★ OSD ★ ARMY ★ ATL ★ Int Partner

■ Gov-Gov ■ Academia ■ Industry / Academia ■ Industry



THANK YOU.

Charles M. Seaberry
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U.S. Army Futures Command
U.S. Army Combat Capabilities Development Command

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