ARTIFICIAL INTELLIGENCE INTEGRATION CENTER

Drivers of Army AI Adoption

★ The emerging operating environment has created an endless stream of information, which has become a burden on the Soldier making critical, timely decisions. AI assistance will be critical to lifting this burden.

Setting a Mental Model

Data Science

A practical discipline that seeks to make data useful for an organization. Leverages techniques developed in academic disciplines such as statistics, optimization, data visualization, and machine learning.

Artificial Intelligence

An academic discipline that seeks to create thinking machines.

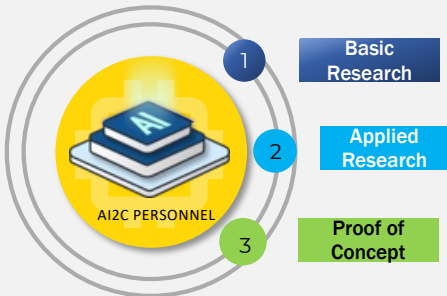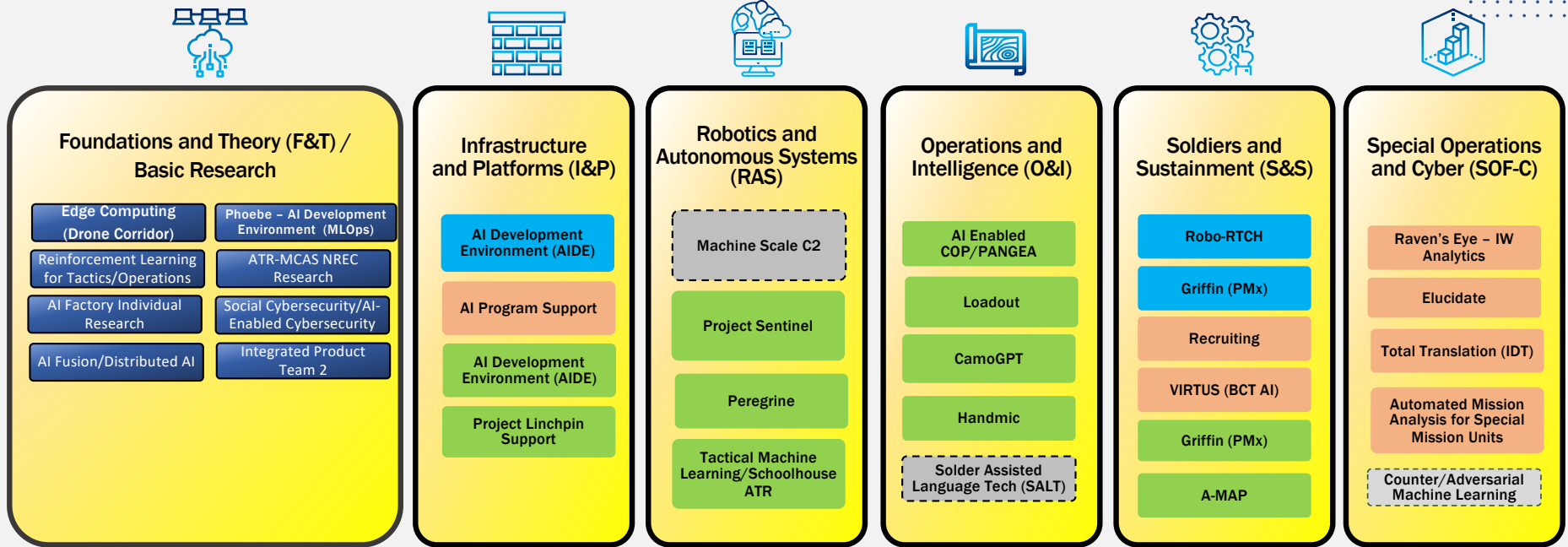## Army AI Truths

1. AI is inherently software

2. AI requires high quality data at volume

3. It is far easier to build a useless, or worse distracting, AI product than a valuable one

4. The only valid measure of value is user adoption

5. Soldiers are faster and more flexible than other developer talent in certain situations

6. Quality AI talent takes dedicated time to build

Incubator Product Portfolios

Foundations and Theory (F&T) / Basic Research

- Edge Computing (Drone Corridor)
- Phoebe – AI Development Environment (MLOps)
- Reinforcement Learning for Tactics/Operations
- ATR-MCAS NREC Research
- AI Factory Individual Research
- Social Cybersecurity/AI-Enabled Cybersecurity
- AI Fusion/Distributed AI
- Integrated Product Team 2

Infrastructure and Platforms (I&P)

- AI Development Environment (AIDE)
- AI Program Support
- AI Development Environment (AIDE)
- Project Linchpin Support

Robotics and Autonomous Systems (RAS)

- Machine Scale C2
- Project Sentinel
- Peregrine
- Tactical Machine Learning/Schoolhouse ATR

Operations and Intelligence (O&I)

- AI Enabled COP/PANGEA
- Loadout
- CamoGPT
- Handmic
- Solder Assisted Language Tech (SALT)

Soldiers and Sustainment (S&S)

- Robo-RTCH
- Griffin (PMx)
- Recruiting
- VIRTUS (BCT AI)
- Griffin (PMx)
- A-MAP

Special Operations and Cyber (SOF-C)

- Raven's Eye – IW Analytics
- Elucidate
- Total Translation (IDT)
- Automated Mission Analysis for Special Mission Units
- Counter/Adversarial Machine Learning

AI2C PERSONNEL

1. Basic Research
2. Applied Research
3. Proof of Concept

CMD/MISSION DIRECTED

Scoping or Proposed

- AI2C is an **Army lab** with 6.1, 6.2, and 6.3 funding (~50m per FY) for transformation aligned capability development
- AI2C can also do internal development with no resourcing and does reimbursable work with any color of money
- Project work is prioritized by AFC

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Questions?

COL Isaac Faber - isaac.j.faber.mil@army.mil