



**DEFENSE
INNOVATION UNIT**

SBIR/STTR

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TECH DOMINANCE IS THE NEW GLOBAL BATTLEGROUND



Success no longer goes to the country that develops a new technology first, but rather to the one that better integrates it and adapts its way of fighting.

2018 National Defense Strategy

Game Changing Technologies

- AI
- Quantum
- Hypersonics
- Cyber
- Biotechnology
- 5G
- Space
- Autonomy

Image Source: Center for a New American Security

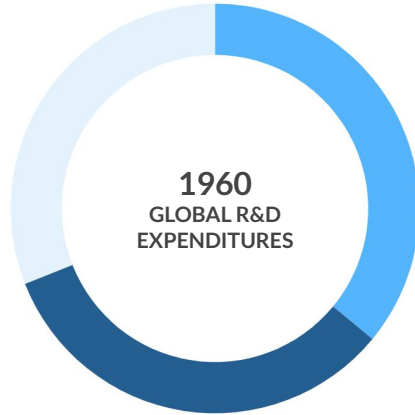


U.S. SHARE OF GLOBAL R&D FUNDING IS DECREASING

1960s

Technologies funded by USG & transitioned to commercial sector:

- Microelectronics
- Touch screen
- GPS
- Space launch
- Satellite imagery

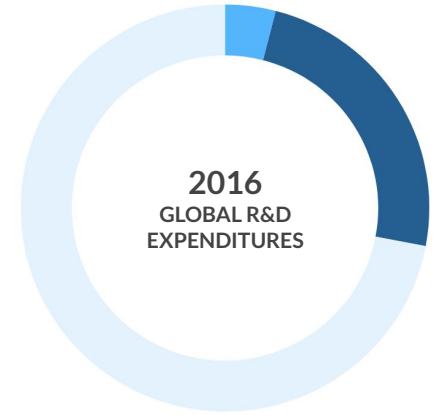


- U.S. Defense Related (36%)
- Other U.S. & USG (33%)
- Rest of the World (31%)

2010s-Now

Technologies from commercial sector & transitioning to USG:

- Biotechnology
- AI
- Mobile payments
- 5G
- Quantum computing
- Batteries & Power Systems



- U.S. Defense Related (4%)
- Other U.S. & USG (24%)
- Rest of the World (72%)

CORE DIU, NSIN & NSIC MISSIONS

DIU is a fast-moving, cross-DoD organization focused exclusively on commercial companies to solve national security problems.

- **ACCELERATE**

DoD adoption of commercial technology

- **TRANSFORM**

Military capacity and capabilities

- **STRENGTHEN**

The national security innovation base

National Security Innovation Network:

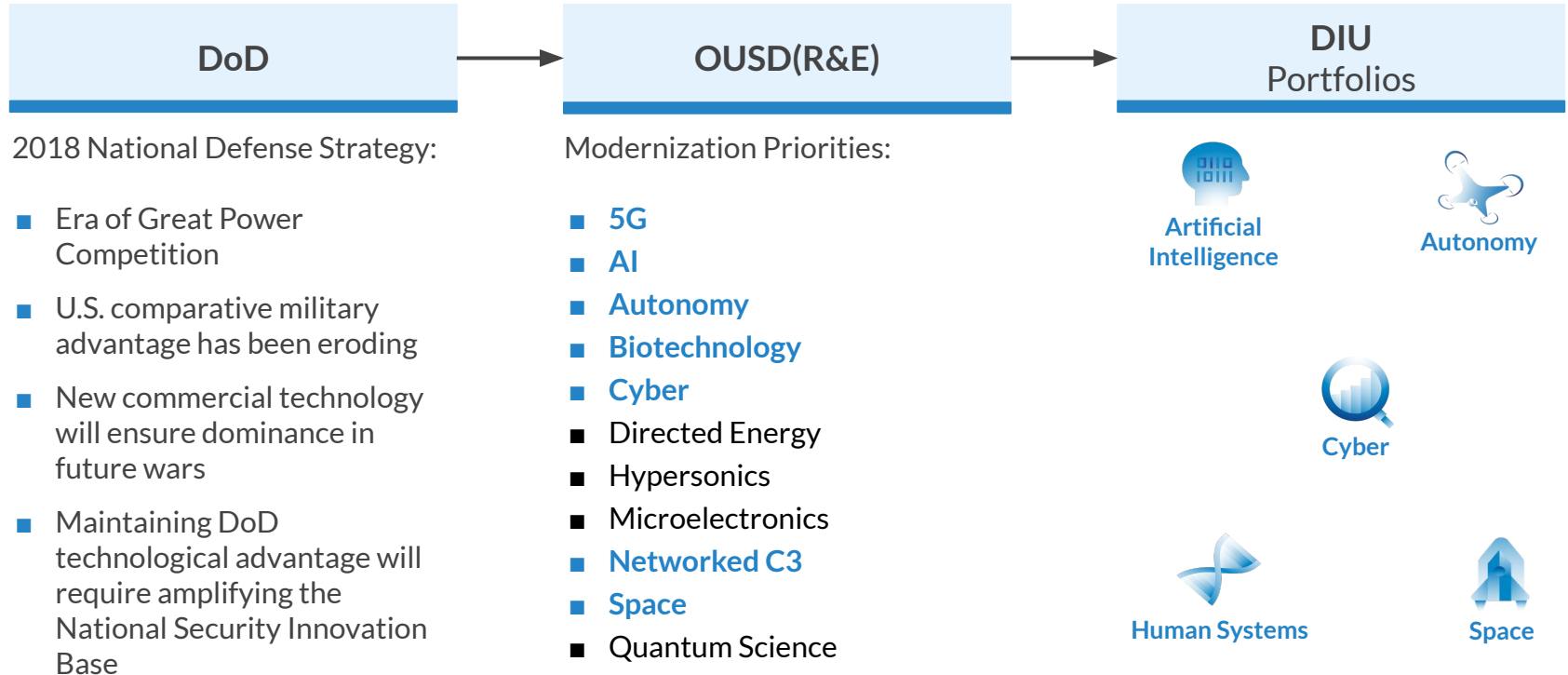
Builds networks to generate solutions

National Security Innovation Capital:

Stimulates private investment in dual-use tech



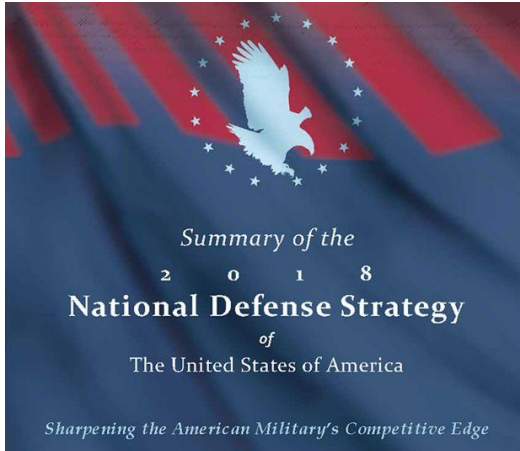
DIU FOCUSES ON DEFENSE MODERNIZATION PRIORITIES



STRENGTHENING THE NSIB ECOSYSTEM

Expanding the NSIB

- Increasing companies' experience with DIU will encourage venture investment in defense
- Attracting new private sector investment especially dual-use hardware
- Investing in chokepoints of military supply chain



Accessing the NSIB – Increase DoD's Attractiveness as a Customer

- Transact at commercial speed
- Adopt OT authority
- Organize prize competitions
- Increase budget flexibility to scale innovation
- Reduce the compliance friction for small businesses

