

UNLEASHING THE POWER OF SCIENCE & TECHNOLOGY FOR WARFIGHTING ADVANTAGE

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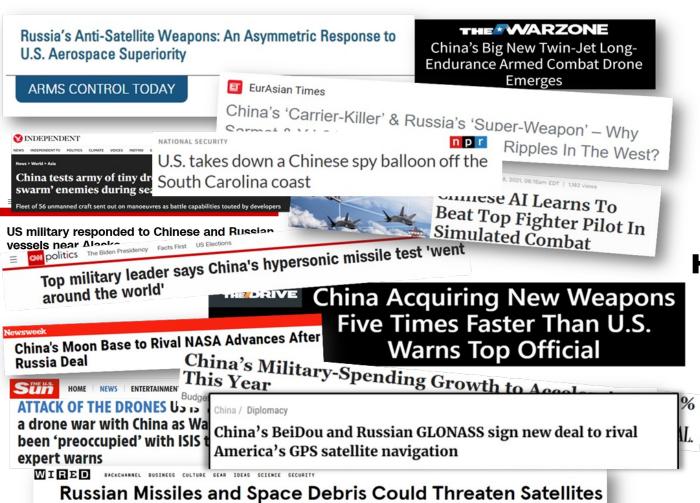
TECHNOLOGY EXECUTIVE OFFICER, DEPARTMENT OF THE AIR FORCE

COMMANDER, AIR FORCE RESEARCH LABORATORY



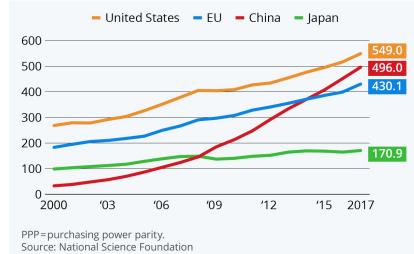
A STRATEGIC MILITARY & TECHNOLOGICAL COMPETITION IS HERE

Aggressive Military Actions & Modernization

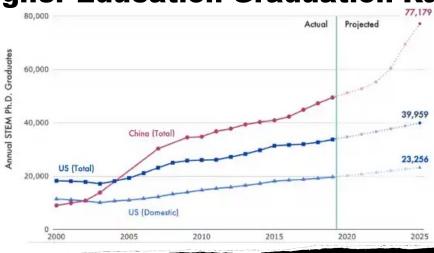


continues, the growing debris in low Earth orbit is a matter of national security.

R&D Investments Rate Increase per Year



Higher Education Graduation Rates





HISTORY TEACHES US...



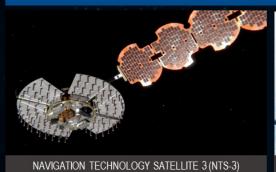


It takes 20 YEARS to be an OVERNIGHT SUCCESS!



DRIVING THE FIGHT WITH S&T Requires a Strong Technical Foundation

TRANSFORMATIONAL CAPABILITY FOCUSED









MULTI-DOMAIN, MULTI-DISCIPLINARY











TECHNICAL DEPTH IN CROSS DISCIPLINES BUILDS TRANSFORMATIONAL CAPABILITIES | EXAMPLE: HYPERSONIC TECHNOLOGY

AERO/AEROTHERMAL	COMMAND AND CONTROL	COMMUNICATIONS	HUMAN PERFORMANCE
NAVAGATION, GUIDANCE AND CONTROL	MANUFACTURING	MATERIALS	ORDNANCE
PROPULSION (AIRBREATHING)	PROPULSION (ROCKET)	SENSORS	STRUCTURES







MISSION: Leading the discovery, development, and

integration of affordable warfighting technologies

for our air, space, and cyberspace forces.

VISION: We defend America by unleashing the power of

innovative air and space technology.

COMMANDER'S INTENT

DRIVE THE FIGHT

- // Aligned to DAF priorities
- // Warfighter focused
- // Strategic foresight
- // Balanced portfolio
- // Asymmetric advantage

ONE AFRL, ONE FIGHT

- // Integrating S&T
- // Multi-domain
- // Multi-disciplinary
- // Enablers: C3BM, Autonomy

OUR WORKFORCE, OUR ADVANTAGE

- // Cultivate S&T workforce
- // Incentivize talent
- // Infrastructure of the future
- // Modern digital foundation



AFRL & EVOLVING

Reposturing for GPC

Synchronizing S&T with Acquisition to Deliver Integrated Capabilities

Warfighter Focused

Integrating & Applying Strategic Foresight for Warfighters Asymmetric Advantage

Partnership Centric

Harnessing the Braintrust of Gov't, Industry, Academia, and International Partners





Transition Partner: PEO, Fighters and Advanced Aircraft

SKYBORG

Flight Autonomy for Uncrewed Air Vehicles



PARTNER WITH US

Collaborative R&D

Technology Licensing

Educational Partnerships

Regional Hub Network

K-12 STEM

S&T Front Door

Internships, Faculty Sharing

TOGETHER, WE WIN.



Small Business Funding

Venture Matching

Rapid Acquisitions

Challenge Workshops

Priming Emerging Markets

End-User Collider Events

Innovation Inject, S&T to Operations

ONE TEAM. ONE FIGHT.

