

DIGITAL DAYTON

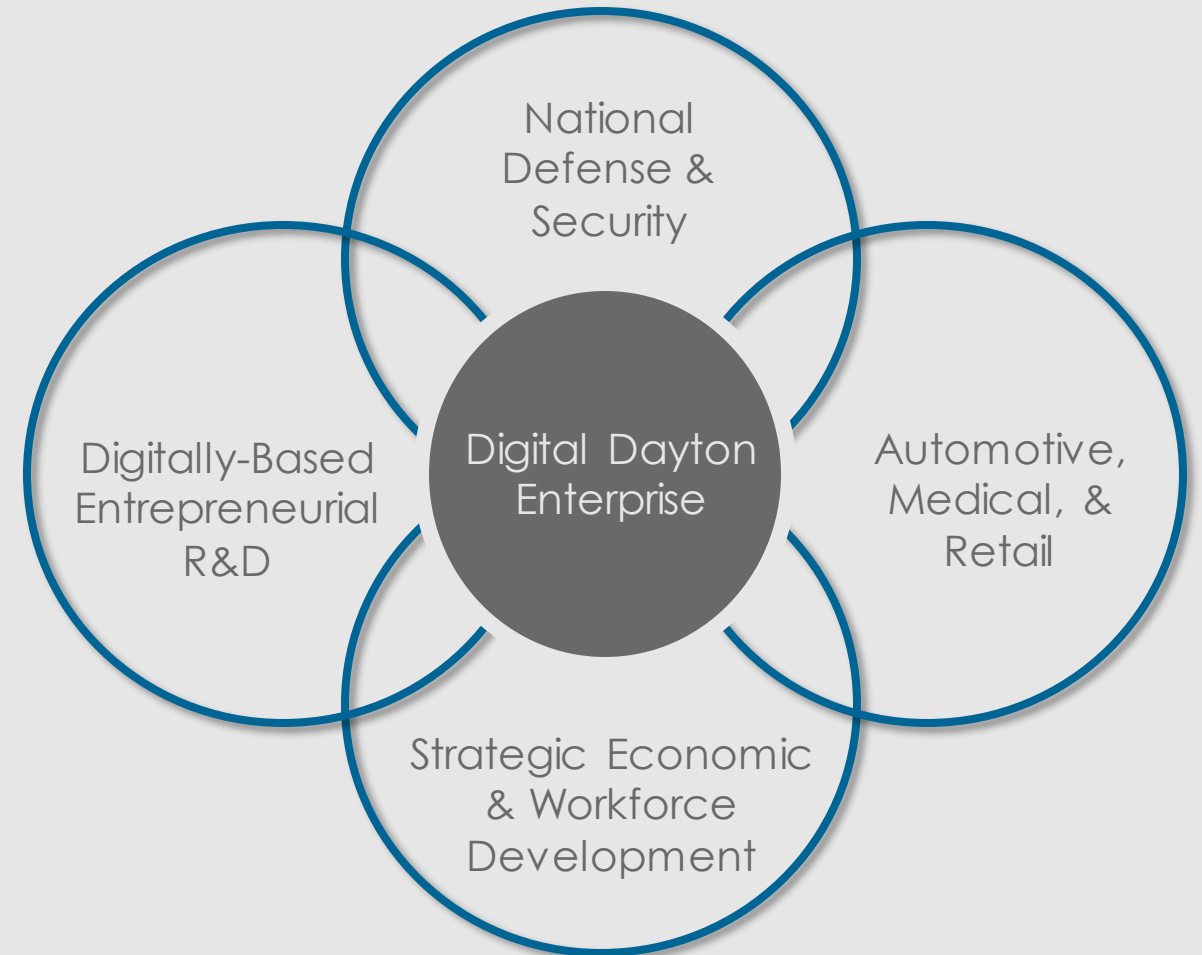
2023

Digital Dayton Strategy Agenda

- Purpose
- Why a Digital Dayton Strategy?
- Digital Transformation Across all Industry Sectors
- Digital Dayton Strategy
- Ohio Innovation Hub
- Call to Action

TODAY'S PURPOSE

- Organize Dayton community around Digital Dayton strategy
- Leverage Wright-Patterson AFB, digital industrial base, universities and research assets in the region
- Catapult Dayton from a regional leader in digital transformation technologies, applications and processes to a global leader!
- Pursue regional, state and federal funding opportunities as a community
- Invitation to all Dayton region entities to be part of the Digital Dayton strategy



WHY A DIGITAL DAYTON STRATEGY?

- Dayton is positioned strategically to leverage statewide assets
- Dayton is home to digital industry leaders and top-rated research institutions
- Dayton is experiencing industry growth across several sectors: advanced manufacturing, aerospace, aviation, and automotive
- Wright-Patt is leading Digital Transformation for Air Force and Space Force
- Wright-Patt missions contribute \$1.6B in economic activity
- Region and state experiencing increased demand for digitally trained workforce across all industry sectors

Dayton Positioned for Digital Success and Digital Global Leadership!



STRATEGIC STATEWIDE POSITIONING



DAYTON HOME TO UNIVERSITY AND RESEARCH INSTITUTE EXCELLENCE



Underpinned by state, federal research investment and laboratories and a strong regional industry.

DIGITAL INDUSTRY GROWTH...

Announced on June 23, 2023, SNC is ready to build its second hangar at Dayton.

Announced on sept 18, 2023, Joby selects Dayton, Ohio, birthplace of aviation, for first scaled manufacturing facility.

Announced on June 21, 2023, GM to invest \$920 million to expand Duramax Diesel Plant in Ohio.



HOME TO WRIGHT PATTERSON AFB... WE ARE A DEFENSE COMMUNITY!

62K Defense Personnel Earning \$3.3 Billion in Payroll

#2 Department of Defense and 4th Estate Civilian Employees

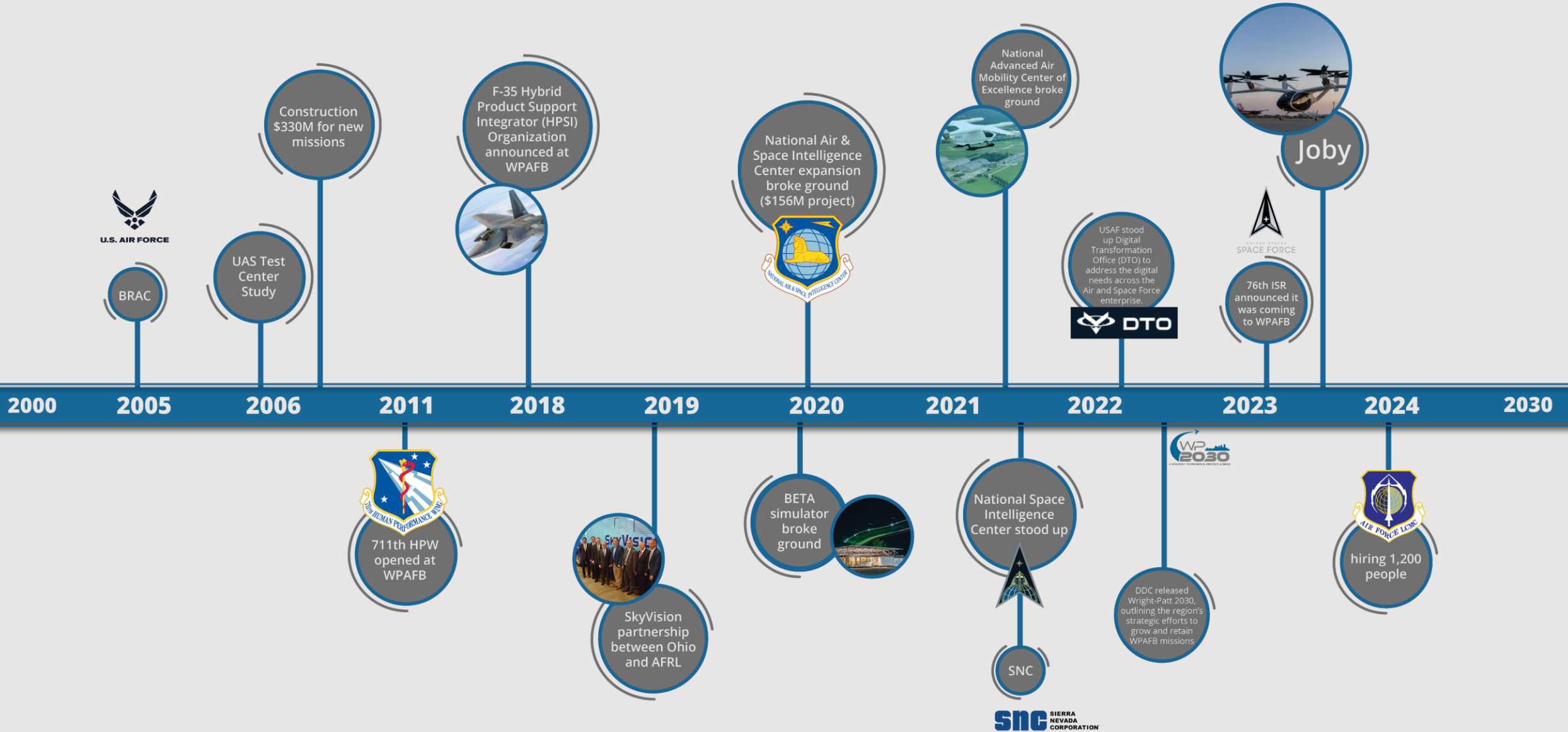
#3 Department of Defense Air Force Civilian Employees

17% of Economy - 35K at WPAFB - SBIR Dollars in Ohio

**OHIO BUSINESSES, MILITARY, FEDERAL
ALL BENEFIT BY WORKING TOGETHER...**



WRIGHT-PATT GROWTH



BRAC

2000

2005

UAS Test Center Study

2006

Construction \$330M for new missions

2011

711th HPW opened at WPAFB

2018



F-35 Hybrid Product Support Integrator (HPSI) Organization announced at WPAFB

2019

SkyVision partnership between Ohio and AFRL

2020

National Air & Space Intelligence Center expansion broke ground (\$156M project)



BETA simulator broke ground



2021



National Advanced Air Mobility Center of Excellence broke ground

National Space Intelligence Center stood up

SNC



2022

USAF stood up Digital Transformation Office (DTO) to address the digital needs across the Air and Space Force enterprise.



DDC released Wright-Patt 2030, outlining the region's strategic efforts to grow and retain WPAFB missions



2023



76th ISR announced it was coming to WPAFB



Joby

2024

hiring 1,200 people

2030

Global Conditions Stress Our Defense Community...

- Threats to US National Security
 - A Rising China
 - Russia's Continued Invasion of Ukraine
 - Israel-Hamas War
- COVID Pandemic Exposed a Weakened State of the US Manufacturing Industry
- Workforce Exodus and Population Decline Threaten the Industrial

A "National Imperative" Emerges to Address Global Conditions



Air Force's Response to the “National Imperative” ... Digital Transformation

Department of the Air Force Operational Imperatives

“The heart of our mission is to deter aggression. We don't want to fight wars -- we want to prevent them -- and the way you prevent conflicts is to convince the other side that you have the will to resist and the capability to defeat aggression.”

– Secretary Kendall



1

SPACE ORDER OF BATTLE



2

OPERATIONALLY FOCUSED ARMS



3

MOVING TARGET ENGAGEMENT



4

TACTICAL AIR DOMINANCE



5

RESILIENT BASING



6

GLOBAL STRIKE



7

READINESS TO DEPLOY & FIGHT

“China is inside our OODA loop...We need ability to change things inside our systems faster”

- Former Lt. Gen. Shaun Morris

AFLCMC/CC

“Accelerate change or lose.”

August 2020 - General Charles Q. Brown, Jr.

Air Force Chief of Staff

Digital Transformation....

Enhances Air Force's Ability to Fly, Fight and Win – Airpower Anytime, Anywhere

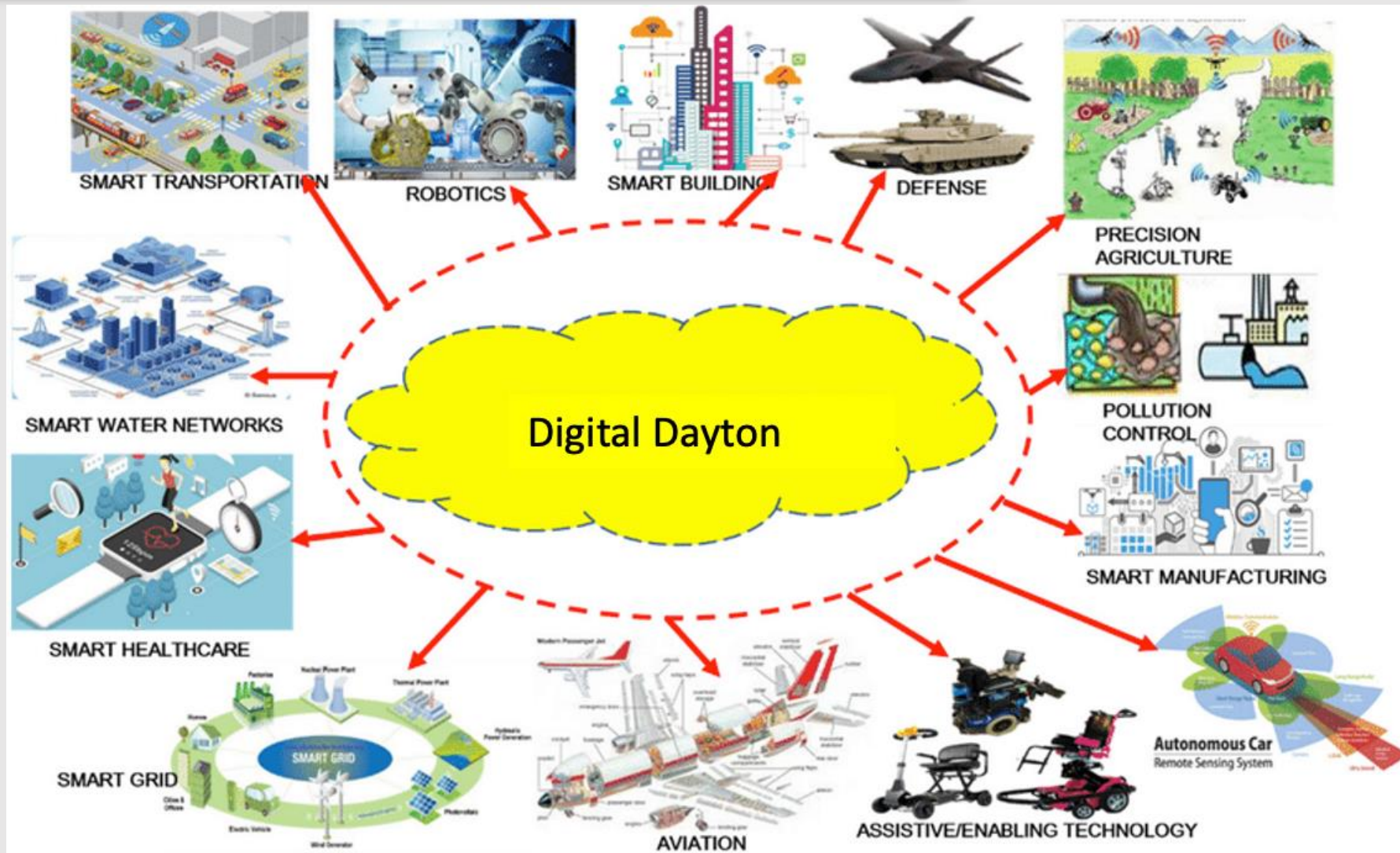
WPAFB LEADERSHIP IS CHARGED TO DELIVER DIGITAL TRANSFORMATION TECHNOLOGIES

- A regional confluence of government, industry, and academia are working the problem
- *Ohio businesses can/should leverage the critical mass of gov't resources creating dual-use opportunities*
 - E.G., EV production, advanced air mobility, microchips, medical applications, and advanced manufacturing

All Our Missions, Industries and Communities Benefit from Digital Transformation Efforts Led Out of WPAFB



Digital Tech Industries:



Regional Healthcare Industries Leading Digital Health Care Transformation

- A regional confluence of government, industry, and academia are working Digital Health Care Transformation
 - Provides enhanced patient care through telemedicine, remote patient monitoring and AI driven diagnostics
 - Provides data-driven decision making to make informed decisions, predict disease outbreaks and optimize treatment plans, seamless continuity of patient care
 - Provides cost reduction and efficiencies in administrative processes and a reduction in paperwork,...
- **Ohio businesses can/should leverage the critical mass of resources creating dual-use opportunities**



DIGITAL DAYTON STRATEGY

- Use the Wright-Patterson digital transformation as our strategy launch point. Digital Dayton brings us all together as a community of government, industry and academia to lead not only as a regional digital leader but more importantly to become global digital leader!
- Coalescing around Digital Dayton allows us a community to go secure grants and opportunities like the EDA tech hub.
- A collaborative group of Dayton community stakeholders poised for opportunities to increase investments and funding into Dayton

Proximity, Partnership, Ingenuity

"Dayton... From Powered Flight to Digital Transformation"

Ohio Innovation Hub

- **Anchored by Wright-Patterson AFB**
 - Dayton consortium established
 - Seedling effort underway w/ \$1M investment and 12 net new jobs created
 - Innovation hub application is next step
- **10-year outlook**
 - Sense of place built
 - Best talent attracted
 - STEM degrees & certifications increased
 - 100's of net new jobs created
 - Missions from the coasts attracted
 - High-tech companies attracted
 - Research funding increased
 - New venture capital attracted
 - Digital technology commercialization increased



Digital Dayton Epicenter at onMain

We are Digital Dayton!



CALL TO ACTION

- Get involved in Digital Dayton
 - Digital Dayton Roundtables - <https://daytondefense.org/>
 - Dayton Digital Transformation Summit – Contact Elizabeth Generas, elizabeth.generas@sinclair.edu
 - Ohio Innovation Hub Application- Contact Julie Sullivan, jsullivan@daytonregion.com
 - Digital Transformation Center - Contact Stacie Hoelscher, Stacie.Hoelscher@udri.udayton.edu
 - Department of the Air Force Digital Transformation Office and Digital Task Force- Contact Kyle Hurst, james.hurst.18@us.af.mil
 - Air Force Institute of Technology DIICE- Contact Col Jason Anderson, jason.anderson.4@us.af.mil
 - LCMC Digital Efforts- Contact David Diaz, david.diaz.13@us.af.mil
 - AFRL Digital Directorate- Contact David Shahady, david.shahady.1@us.af.mil