

WE ARE ON THE CUTTING EDGE OF TECHNOLOGY



Cincinnati-Dayton Cyber Corridor

With a unique combination of federal and university research, excellent academic cyber centers, strong cyber industries, and a waiting customer base, Southwestern Ohio is naturally positioned to become a nationally recognized cyber center of excellence.

Here's why:

- One of five recipients of a regional alliance grant from the U.S. Commerce Department's National Institute of Standards and Technology (NIST). The five grants, as part of the National Initiative for Cybersecurity Education (NICE), will address the nation's shortage of skilled cybersecurity employees through The Regional Alliances and Multistakeholder Partnerships to Stimulate (RAMPS) Cybersecurity Education and Workforce Development.
- Forbes Magazine ranked Dayton as a top 10 community for engineering jobs, 4th in the nation for engineers per capita, and Business Facilities Magazine ranked Dayton 5th among STEM Leaders. Dayton has the highest concentration of IT professionals in the state.
- Home to Wright-Patterson Air Force Base, headquarters of the Air Force Research Lab, National Air and Space Intelligence Center, Air Force Materiel Command, Air Force Life Cycle Management Center, and the Air Force Institute of Technology. The base has a \$4 billion local economic impact.

DAYTON REGION ISRAEL TRADE ALLIANCE



- More than 50 colleges, half with STEM designations, producing more than 2,000 students graduate with STEM degrees each year.
- The Advanced Technical Intelligence Center, headquartered in the region, offers training in Cyber Analysis Data Security (CADS) and procures security clearances for students.

MAJOR CYBER-RELATED EMPLOYERS IN SOUTHWESTERN OHIO

- | | |
|--------------------|--------------------------------|
| > LexisNexis | > Emerson Climate Technologies |
| > Northrup Grumman | > Hewlett-Packard |
| > Teradata | > Leidos |
| > GE Aviation | > Midmark |
| > Lunarline | > Taylor Corporation |
| > Premier Health | > Riverside Research |
| > Cincinnati Bell | |

UAS INNOVATION STARTS HERE



UNMANNED AERIAL SYSTEMS (UAS)

In 1904, the Wright Brothers chose one square mile of farmland northeast of Dayton, Ohio to perfect the airplane. In 2017, the Air Force Research Laboratory chose over 200 square miles of farmland northeast of Dayton, Ohio for UAS Beyond-Line-of-Sight research.

The continued rise of drone technology has transformed the Dayton Region into the leading site for development, testing, and flight of innovative Unmanned Aerial Systems (UAS) technology. In partnership with the Dayton Development Coalition, Ohio Air National Guard, AFRL, regional colleges and universities, and private industries, Ohio has become a destination of choice for all UAS researchers, developers, manufacturers, suppliers, trainers and educators.

In the coming year, AFRL, the FAA and State of Ohio are launching the Ground Based Sense and Avoid (GBSAA) operation in a Beyond Visual Line of Sight (BVLOS) 200+ nautical mile area. This is for altitudes between 1,000 to 10,000, and will allow Remote Piloted Aircraft to avoid both controlled and non-cooperative air traffic.

Across town, Sinclair College has created a UAS curriculum where students can learn from classroom

instruction, simulations and hands-on vehicle operation. The two-semester program takes students through critical areas such as data management, decision making and mission planning. The University of Dayton will soon offer a Professional Master's of Science program in autonomous systems, as well.

In conjunction with Sinclair, the Wright State Research Institute leads the Remotely Piloted Aircraft (RPA) program. Human performance enhancement technologies, methods, and techniques support cradle-to-grave research development for human automation interactions; information integration, visualization, and management; and dynamic telepresence of remote operations.

The University of Dayton is in the process of developing an Autonomous Systems Professional Master's Program. This new program is in the early stages of development and university officials are meeting with potential corporate/ government partners.

Dayton Region Autonomous Systems Leaders include: The Ohio/Indiana UAS Center, SelectTech Services Corp., Sinclair Community College, Clark State Community College, Springfield-Beckley Airport, Cornerstone Research Group, Skyward, Woolpert and Workhorse Custom Chassis.

**Ready to
start?**

Contact the Dayton Development Coalition's JobsOhio team at

937.222.4422
800.241.2469

contact@daytonregion.com
www.daytonregion.com

900 Kettering Tower
Dayton, OH 45423