

UDRI develops crime-fighting technology

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A new technology developed with a \$3 million grant to **University of Dayton Research Institute** has the potential to fight crime in a new way.

UDRI has been developing Footprint for more than two years with a grant from the Ohio Third Frontier. The technology has since been licensed by Copp Systems Integrator and **Universal Technology Corp.**, who are looking to bring it to market, said **Larrell Walters**, head of University of Dayton Research Institute sensors division.

The program is web based so it can be used via tablet at the scene at the crime. The tool lets a user back at the data where a past crime has occurred, even look at video right there at the scene of the crime. The technology originated in Department of Defense research, Walters said, thanks to an emphasis on connecting systems that didn't normally work together and getting them to communicate.

"We work a lot in situational awareness," Walters said. "How do you take this information and make it usable. Footprint is basically a system that provides situational awareness on data analytics. It moves the ability to have understanding from a command-and-control center and puts it in the hands of the user at the scene."

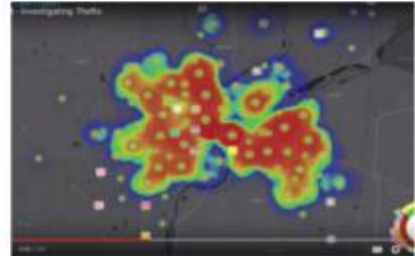
While law enforcement was the first idea for the technology, Walters says it could be useful for prisons, port authorities, even hospitals.

"Things like energy management have a translation," Walters said. "We have been able to create a capability where we can talk to all the AC systems and get systems made by different companies working together."

The \$3 million grant required matching funds from industry partners Woolpert Inc., Optica, Tenet3 LLC and Greenlight Optics based in Cincinnati, and now the product has completed licensing in the past several weeks and they are beginning to look into sales.

"The law enforcement community has never seen anything like this before, there's no product like this internationally where you can bring all this big data and video to increase public safety," said Bill DeFries, owner of **Copp Integrated Systems**. "It's high-speed software that helps law enforcement respond appropriately and respond faster."

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SUBMITTED RENDERING

The Footprint software developed by University of Dayton Research Institute and several companies, is going to market after a \$3 million Third Frontier grant.