

US Ignite Application Library Submission

<https://www.us-ignite.org/apps/>

Project Name: Drone-Supported Emergency Management

Project Milestone: Deployed

Impact statement:

Unmanned aircraft systems, commonly referred to as UAS, or drones, are enabling government agencies to reduce costs and time associated with the daily operations of all manner of essential public services. One of the most promising areas for drone-supported applications is in the municipal public safety arena. Communities that can support a high-bandwidth networking environment, like that available in Wilson County, North Carolina, near the Research Triangle, can accelerate the development and utility of drone-supported applications.

Led by US Ignite member, the North Carolina Next Generation Network (NCNGN), the City of Wilson and its partners pursued a Service Development Fund application project in 2018 that uses novel drone system infrastructure and remote streaming to support situational awareness in emergency response. The solution developed by the team improves the ability of government agencies and first responders to coordinate and collaborate using drone-collected sensor analytics via a standard protocol.

Links:

<https://ncngn.org/>

<https://www.wilsonnc.org/greenlight/>

<https://www.triangleuas.com/>

<http://www.govtech.com/public-safety/High-Speed-Fiber-and-Drones-Power-Live-Streaming-Accident-App.html>