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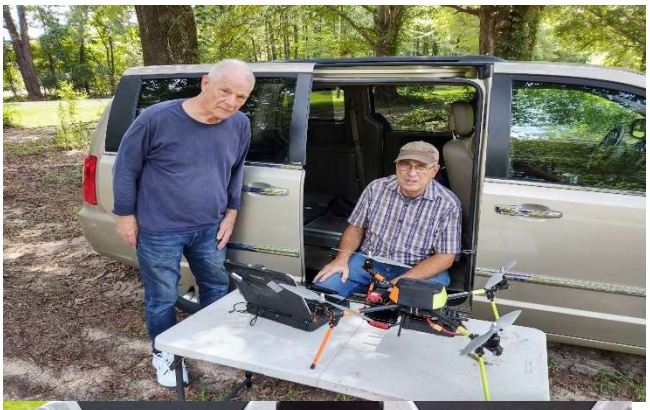
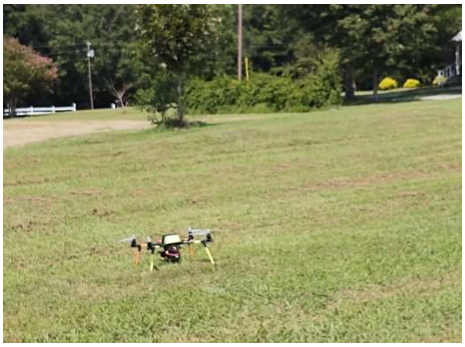
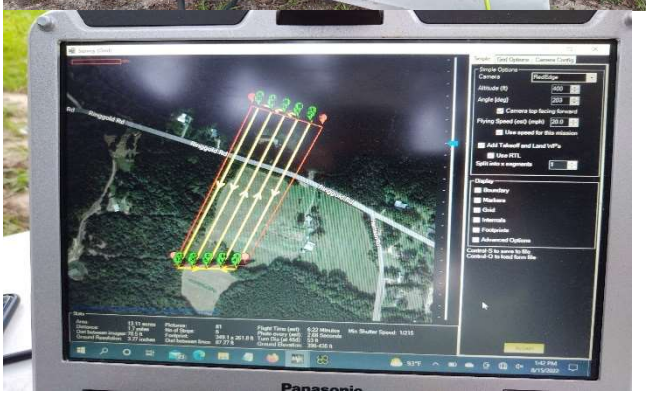
The **Rural Broadband Foundation**, a 501c(3) not-for-profit entity is registered to promote, development and implement broadband internet solutions for the populations that live at least **50 miles from cities with less than 50,000 citizens** as defined by Proposed Funded Service Area (PFSA). The primary objective is to be a facilitator working with Rural Electric Cooperatives and Internet Service Providers to deliver innovative and affordable solutions that provide valuable internet content with achievable benefits of Improved access to educational materials, Increased Productivity, Improved Operations, Enhanced health options including access to Telehealth, providing medical alerts about recalls and harmful drugs such as Opioids, and creating an access to the global digital marketplace to spawn Competitive Entrepreneurship.







Rural Broadband Foundation capabilities

- Feasibility studies to identify required resources to provide broadband access.
- Proposal expertise, Contract and Finance knowledge to assure Tribal governments successful submittal and win of the USDA grant opportunity. Each of the evaluation criteria will be addressed for clarity to show expected program benefits as described in the USDA grant and loan program disclosure.
- Management, engineering, finance and insurance knowledge to show broadband benefits to achieve functional, affordable, and reliable internet delivery to rural residents.
- Management, engineering, finance and insurance to design, develop, and implement demonstration test site to verify contractual broadband performance requirements of 100 MBps download and 20 MBps upload for rural areas. Specific activities would include survey of the PFSA area noting location of structures and vegetation that would affect signal strength, detailed electronic signal strength measurements to verify data rates for the PFSA area.

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Emergency Services and General Aviation airports- Mississippi has 82 counties with most having emergency services operations and there are 83 airports in MS with some owned by colleges (JVW), some owned by cities Forest 2M4 and Vicksburg VKS. Less than half of the airports and Emergency Service operations have Broadband internet access.

Medical Services for Rural Areas

Rural areas are underserved by medical facilities and services including limited access to hospitals, doctors, clinics and even Telehealth since this involves a doctor to provide diagnosis. Dennis Lott, former Director of Unmanned Aircraft Systems UAS at HINDS Community College, developed small UAS equipment to deliver Automatic Electronic Defibrillator AED systems for emergency medical treatment to people in rural areas or on hiking trails, camping our remote sites. The William Carey University describes the Hiro Drone program at https://dronelife.com/2017/10/12/comes-medical-drones-need-hiro/

Education Training, Home-schooling and Science Technology Engineering Mathematics STEM Programs

Mississippi schools only excel in limited fully funded, fully competent teaching staff like the Northwest Rankin and Madison High Schools. https://www.usnews.com/education/best-high-schools/mississippi High Speed Broadband internet service has been too expensive for most rural areas since the providers focus on potential/ actual customers per geographic area. The Rural Broadband Foundation has expertise to promote and facilitate delivery of broadband internet as affordable costs WiFi transmission that provides 100 MBs bandwidth comparable to Fiber Optics service at much lower costs.

Electrical Power backup Generators and Solar Systems

Rural Broadband Foundation can provide expertise for cybersecurity, internet software and application training and broadband maintenance to assure 90% availability.

Heating Ventilation Air Conditioning HVAC load analysis can be preformed to improve the electrical power efficiency and to determine the optimum size for electrical backup generators or solar power systems. All high performance generators -Generac, Duo-max, Kohler and other generators can be installed by licensed electricians to auto-switch in the event of source power outage.