



CONNECTIVITY WHEN AND WHERE IT IS NEEDED MOST

NOMADIC BROADBAND UNIT

What is the Nomadic Broadband Unit?

With onboard power generation and fixed wireless or satellite internet receivers, the Nomadic Broadband Unit is an innovative solution to the lack of internet infrastructure in remote areas. This broadband unit is a towable, mobile platform developed through public/private partnerships in concert with Washington State University (WSU) Extension, Microsoft TechSpark and Airband teams, and the University of Washington (UW). The goal is to rapidly mobilize and provide broadband internet access in remote areas to support emergency or disaster response and recovery, with other ancillary and beneficial community uses, as well.

Benefits

- Furnishing remote fire camps or search and rescue with weather and fire maps or video conferencing capabilities, keeping teams safe and out of harm's way
- Ensuring communication and visual channels through drones or video cameras for first responders even if power and other infrastructure is offline
- Building public and private partnerships leading to other innovative solutions for complex issues facing rural areas; improving Internet of Things and smart or precision technologies
- Allows other areas to replicate the Nomadic Broadband Unit through opensource sharing of the Unit's schematics, designs, and inventory
- Providing internet access at community events or public gatherings

FOR OPEN SOURCE DOCUMENTATION ON BUILDING A NOMADIC UNIT

<https://github.com/SahomaControlware/Nomadic-Broadband-Unit>

FOR A PREFABRICATED OR MANUFACTURED NOMADIC UNIT

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