

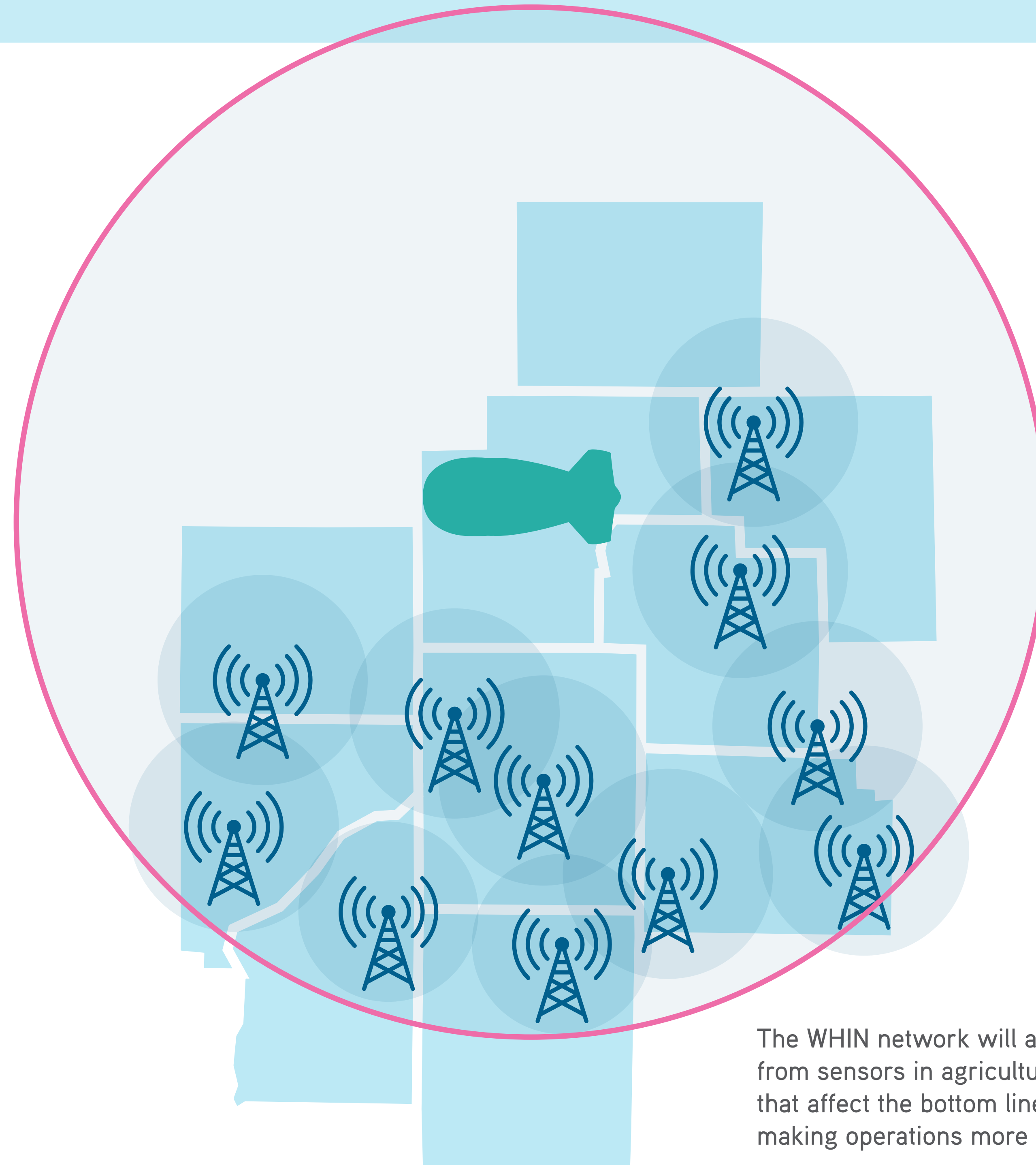
# BROADBAND *for the* WABASH HEARTLAND

This terrestrial LoRaWAN network is the largest of its type anywhere in the country.

The equipment will potentially provide broadband speeds for up to 20 miles from the site, and low-power transmission for up to 50 miles.

The low-power technology will compliment WHIN's forthcoming terrestrial sensor network of over ten towers throughout the region.

Both the terrestrial network, and the aerial network will be outfitted with LoRaWAN and CBRS radios initially. LoRaWAN is perfect for less demanding or low power battery applications for IoT devices and will cover the majority of the WHIN region. CBRS will be sufficient for broadband speeds similar to 5G in select areas.



As a 501(c)3, in partnership with its tech partners WHIN will test innovative solutions to make broadband available in areas of its region that are unserved or underserved.

WHIN will publish the technical details of the deployment and its regional impact to policymakers, industry, and researchers. WHIN's research network will be one of the most advanced rural broadband testbeds in the country.

The services will be deployed in partnership with regional internet service providers.

The WHIN network will allow for millions of messages per day to flow through from sensors in agricultural fields and manufacturing facilities, informing decisions that affect the bottom line by reducing costs, increasing speed of operations and making operations more efficient.



Wabash Heartland Innovation Network  
*AeroStat Parameters | 2021*

