



South Walton Mosquito Control District: *Smarter Public Health from the Air*

Challenge

Along Florida's Gulf Coast, mosquito control has traditionally relied on trucks or planes spraying large areas with chemicals. These methods are costly, fuel-intensive, and often miss breeding sites hidden in wetlands or protected natural areas.

Solution

The South Walton Mosquito Control District (SWMCD) became the first in their region to launch a drone-powered mosquito control program. With UAS technology, they can reach breeding sites with pinpoint accuracy, reduce chemical use, and complete treatments in hours instead of days, cutting treatment time by up to 75 percent. The drones also serve as mapping tools, creating high-resolution images of the landscape and helping staff predict where outbreaks might occur.

Results

- 💰 Faster, more efficient treatments that save taxpayer money
- 💧 Reduced chemical and fuel usage, protecting sensitive ecosystems
- 📍 Real-time mapping that enables proactive public health strategies

Role of T-Mobile

Behind the scenes, T-Mobile's reliable network powers the entire operation. From real-time drone telemetry and mapping uploads to secure communications between pilots and field teams, T-Mobile keeps SWMCD connected even in remote wetlands where other providers fall short.

Impact

By combining drones, data, and dependable connectivity, SWMCD has redefined what is possible in mosquito control. They are protecting public health, preserving the environment, and setting a new standard for how small government teams can innovate for their communities.

