

Benefits of sUAS programs in government

- UAS (Drones) offer more efficient, near-survey grade area capture saving manpower, tax dollars, and inconveniences to residents
- Infrastructure inspections are safer, faster, and less costly
- UAS are used for area assessment, progress reports, project management
- UAS are ideal tools for zone enforcement, cadaster analysis, and roadworks.
- UAS may be used for IR scans of buildings, indicating energy loss areas
- UAS are invaluable for developing stakeholder (public) reports, evaluations, and images for public commentary/area layouts
- UAS are optimal for identifying damaged areas post climactic incident such as flood areas, wind damage, powerline damage, and other safety hazards
- UAS are a significant component of Smart City programs, saving money and manpower.

Challenges

- Citizen privacy
- Identifying and addressing the multiple points of integration within a city-wide drone system that can be used as attack vectors, including cloud-based software service.
- Compliancy with Federal and State mandates
 - Municipalities may also be well served by evangelizing neighborly drone use among their residents, as laid out in the National Telecommunications and Information Administration (NTIA) report that details Voluntary Best Practices for UAS Privacy, Transparency, and Accountability. This is a common go-to for our municipal clients.
- Adherence to safety programs (FRAT)



LEGAL CONSIDERATIONS AND MYTHS

- Aerial Trespass/Curtilage infringement
- Ancillary image capture
- Policy not aligned with municipal policy
 - MKE, WI official operated outside of municipal/departamental policy. Official now engaged in legal action
 - Singer v Newton
 - State of California v USC
 - 9 enforcement actions against local governments since 2016
- FAA preempts state, local regulations



REMOTE ID



Registration



Authorization request

LAANC notifies FAA provider

FAA Provider notifies ATO

Counter UAS

Public Safety has access to RID

