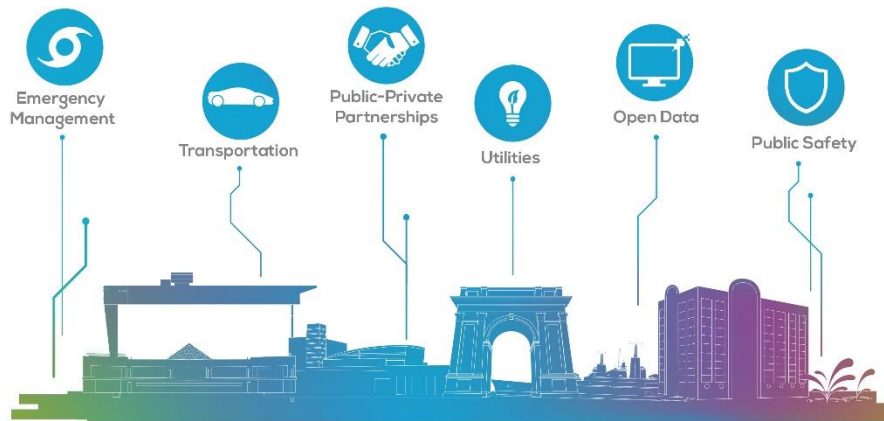


breakout **Emergency Management**



SMARTCities
NEWPORT NEWS

ERIC RENSEL
vp, gannett fleming

SUMMARY

Experts recognized the region for successful implementation of StormSense. This groundbreaking software helps predict localized flooding based on rising sea levels. The software uses sensors, historical information and big data analytics to offer prioritization of fastest and most impacted areas.

EMERGENCY MANAGEMENT: CREATING NEXT GENERATION RESILIENCE

ACTION ITEMS

- Build on the success of StormSense, look for other hazards to apply the logic to and expand to other flooding events.
- Use StormSense to pre-plan sophisticated evacuation techniques, relocation needs, and staging requirements.
- All-hazard response planning should be used to identify and close gaps. Continue improving the radio communication network.
- Creating and maintaining robust GIS layers while focusing on tools and opportunities for collaboration and sharing will result in a unified visualization platform for response.
- Integrate the use of unmanned aerial vehicles (UAVs) into both the planning and response phases of emergency management to increase situational awareness and clearly identify response needs. When deploying the UAVs for response, equip them with body heat sensors to improve responder safety and quickly locate evacuees.
- Consider adding external data to improve model reliability and explore big data relationships creating predictions beyond sea level rise. Use gamification to incentivize community data collection and collaboration with local business owners.

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