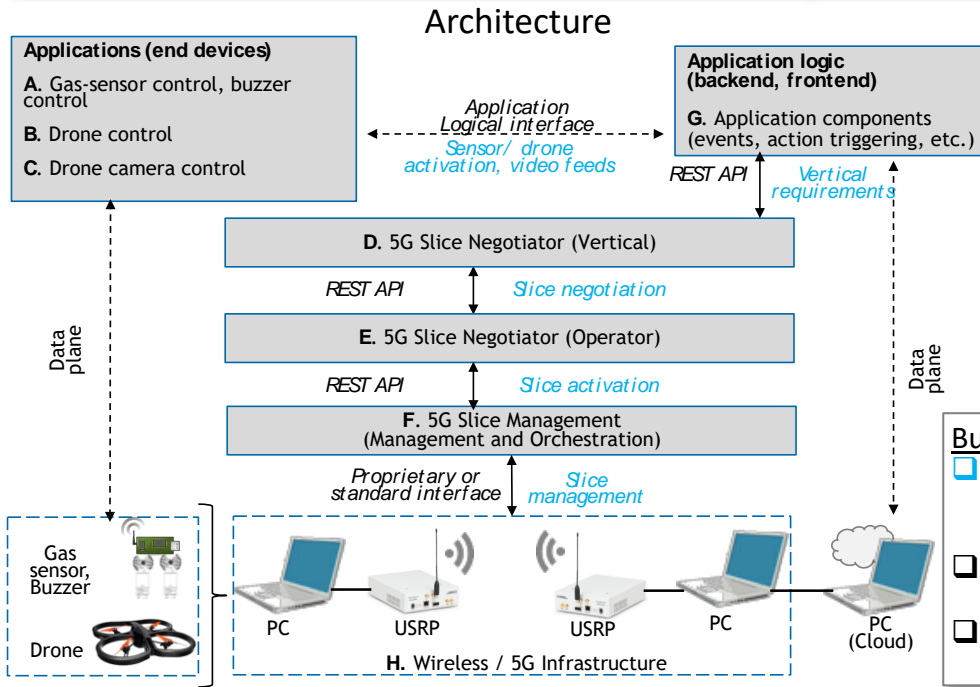


/ E2E-aware Optimizations and advancements for the Network Edge of 5G New Radio

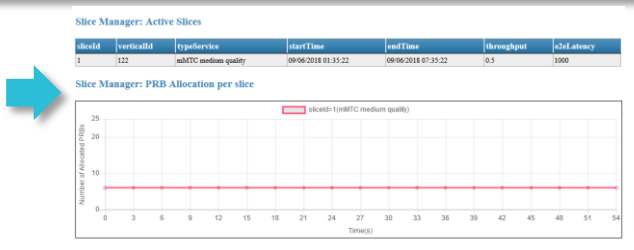
Serving underserved areas through 5G (IoT and big data) technologies
A critical infrastructure and agricultural use case



- ### Technical Benefits
- Efficiency of 5G technologies coupled with IoT and AI
 - Technologies for serving traffic mMTC, eMBB (when needed), URLLC (under conditions)
 - Low cost (CAPEX/OPEX) through flexible creation and management of slices

- ### Business-Societal Benefits
- Narrowing the digital divide between megacities and underserved areas
 - Retaining a low cost 5G network in rural and suburban areas
 - Win-win situations for various businesses

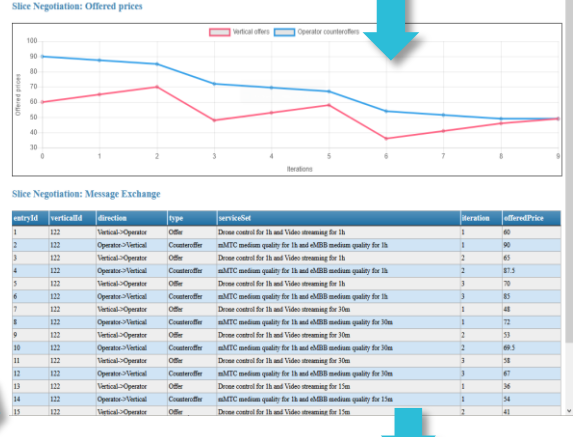
1 Retrieval of measurements Critical event identification Raising of alarm



Slice negotiation and management

3 Drone activation and video streaming

3 Slice activation Open Air Interface Reconfiguration



4 Drone control for 1h Video streaming for 15 min

