RAW use cases

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Use cases in the draft

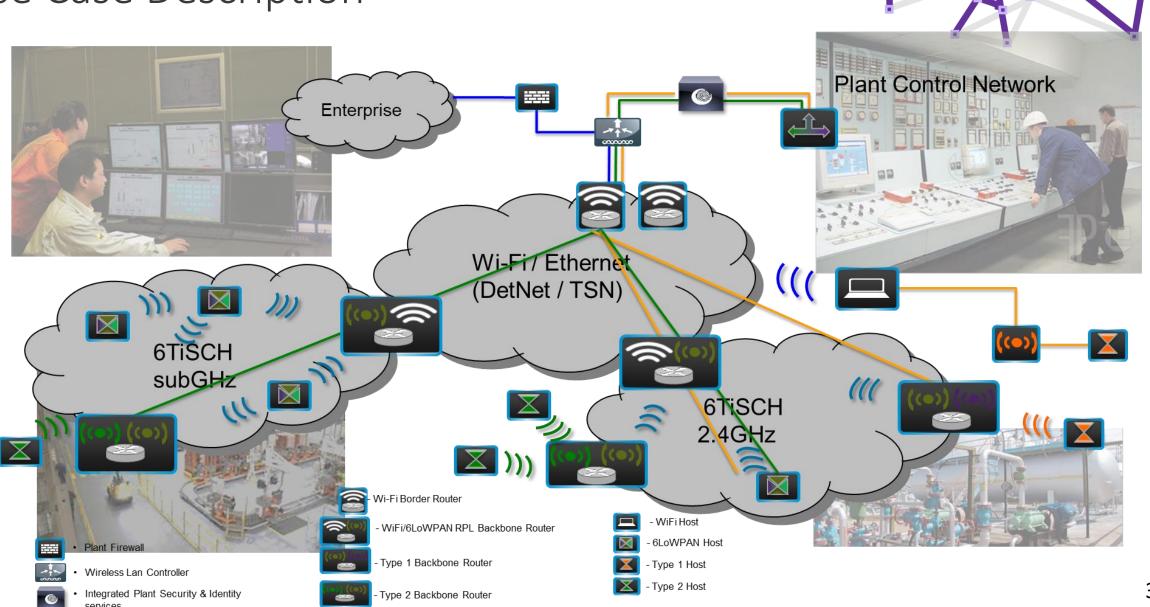


- Amusement Parks
- Wireless for Industrial Applications

Focus of this presentation (due to time constraints)

- Pro Audio and Video
- Wireless gaming
- UAV platooning and control
- Edge Robotics control

Wireless for Industrial Apps.: Use Case Description



Wireless for Industrial Apps.: Specifics



- Heterogeneous technologies (mostly wireless)
- Multiple simultaneous links
- Variable link conditions (even with low mobility)
- Different needs/traffic types, e.g.:
 - Control loops: reliability is key
 - Monitoring and diagnostics: should not be mixed with previous

Wireless for Industrial Apps.: Requirements for RAW



- Solutions should be backwards compatible
 - Capable of transporting both regular (multiplexed) flows and flows requiring predictable behavior

- Solutions should be able to work over multiple wireless access technologies
 - E.g., segment such as TSCH and a backbone segment such as Ethernet or WI-Fi

Summary and next steps



- Different use cases do need wireless connectivity for various purposes demanding reliable and available wireless behavior
 - 6 use cases already included in the draft
 - Others: digital aeronautical communications, smart grid...

- Next steps:
 - Document additional use cases
 - Continue with the characterization of use cases in terms of requirements