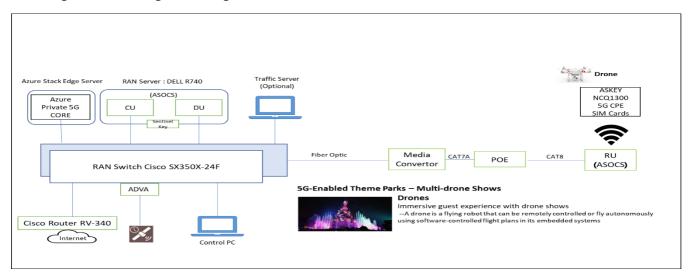## USE CASE 1- MULTI–DRONE SHOWS

DESCRIPTION

Theme parks are committed to deliver the best of customer experience. The pandemic has pushed the theme park industry to adopt sustainable digital transformation to provide an enhanced customer experience using devices like drones. With the rising need for digitization in the parks, technology has today become an essential part. Theme parks digital strategy involves investing in creating pioneering experiences, using modern technology to enhance the quality of their products and services, and getting closer to the customer.

Theme parks look to add value to their guest experiences and make them more immersive. Park-wide shows, nighttime spectaculars and events leveraging innovative technology that build a sense of wonder and immersion is becoming an absolute need of a theme park. Beautifully animating the theme parks using drones, and narrating stories using cutting-edge approaches will pave way for improved customer experience.

IMMERSIVE GUEST EXPERIENCE WITH MULTI–DRONE SHOWS

Immersive experience comprising advanced multi-drones performing light shows; designed and orchestrated by world-class artists and engineers to be deployed. Physical drones fly synchronized with sound and lights, and the dedicated spectator view allows guests to "live" the game with the players. Multi-drones are used to deliver special effects during shows. Drone control and orchestration systems are powered by a local private 5G wireless network built on Azure private MEC with Azure Private 5G Core. This promises the best of guest experiences in theme parks.

HCLTech is partnered with Microsoft to develop innovative and transformative solutions leveraging the low latency and high throughput capabilities of Azure private MEC with Azure Private 5G Core to improve and boost the customer experiences within theme parks. HCLTech' s 5G-enabled theme park solutions are delivering applications at the network edge ensuring secure, low latency with real time analytics insights to lower costs while enhancing guest experiences. Theme Park industries are leveraging 5G along with edge computing, IoT and blockchain to craft better experiences in a socially distanced world for their audiences. HCLTech, the fastest growing technology company has over 10+ years of expertise in the theme park industry serving customers across the globe and delivering end-to-end digital offerings.

VALUE PROPOSITION

- Drones help create immersive guest experiences by delivering special effects during shows and rides in theme parks. Drones are noise and chemical pollution free and once installed have relatively low recurring costs.
- Drones provide a comprehensive guest experience thereby attracting crowd and increasing revenue.

Following 5G sensors will be used in drones

- 5G supported Drones
- AI enabled sensors

Network

- 5G RAN
- 5G Core MS Azure
- ASOCS RAN
- Azure Stack Edge Server

Azure Services:

- Azure Cloud
- Media Services
- Azure Monitor
- Azure Container

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