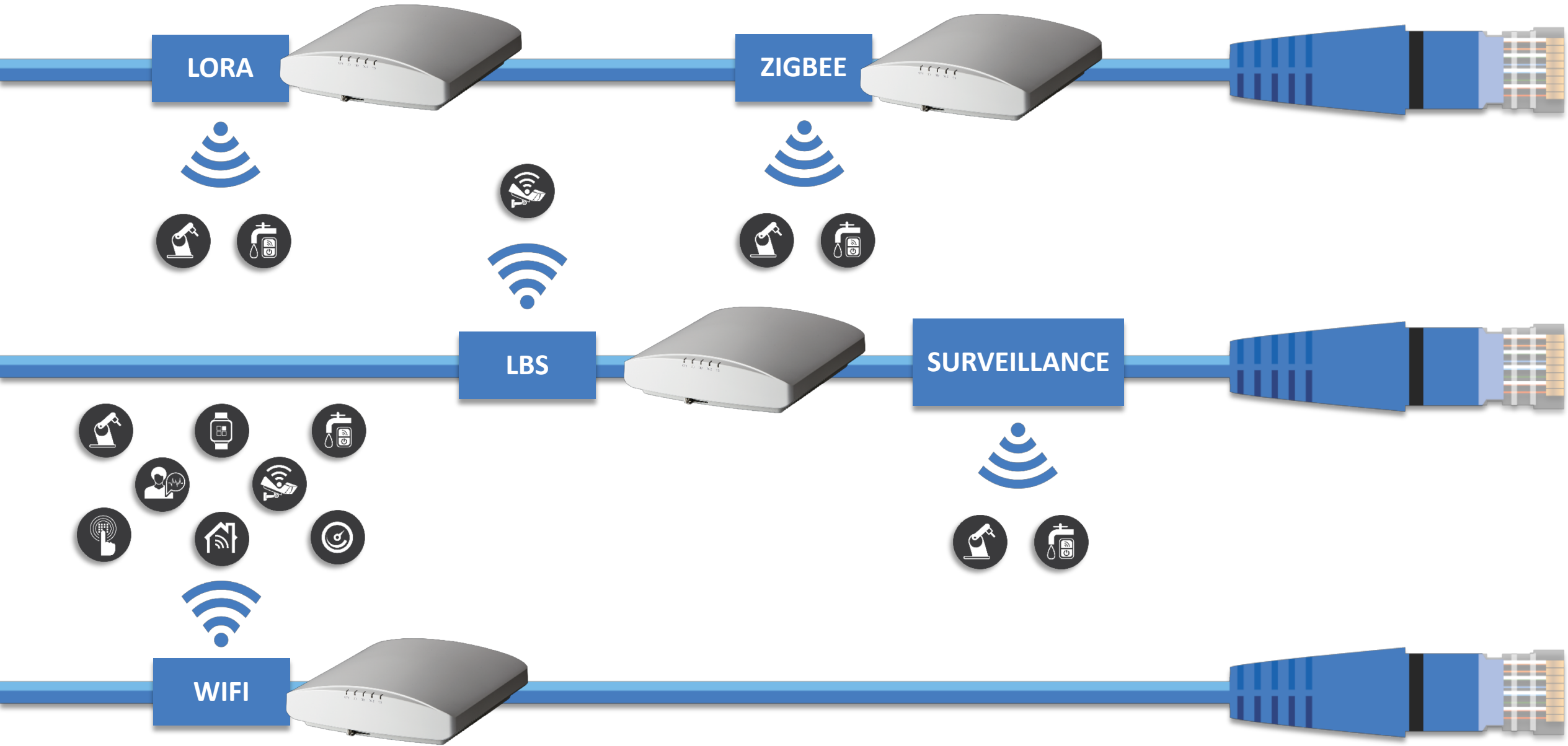




Smart Cities, Connected Places

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Silos of the IoT



City of Frederiksberg: Smart Energy IoT Network



- Use Case
 - Automate utility meter reading
- Architecture
 - T710 hanging from existing strand and connected to aerial fiber network
 - 100M spacing
 - Z-wave enabled MBus aggregates meter telemetry in basements of MDUs and is bridged to local W-Fi client
 - Patch antenna from client drilled through masonry walls and mounted on outside of building to connect to T710s
- Business Case
 - 100% cost recovery in only a few years by transitioning to on-demand service delivery model, reducing property damage due to pipe rupture
 - Added PoE cameras for physical security and parking in Phase 2
 - Added WiFi for primary/secondary school in Phase 2



- Surveillance cameras
- Smart City lighting
- Emergency applications
- Amber alerts
- Environmental sensors
- Gigabit Wi-Fi
- Smart City apps and interactive features (Via Citybeacon & Smartphone)

- Futures:
 - Parking and charging solutions
 - Bicycle rental
 - Public transport



Ruckus-Enabled Smart Cities (Representative)



Ruckus Smart Cities - US

