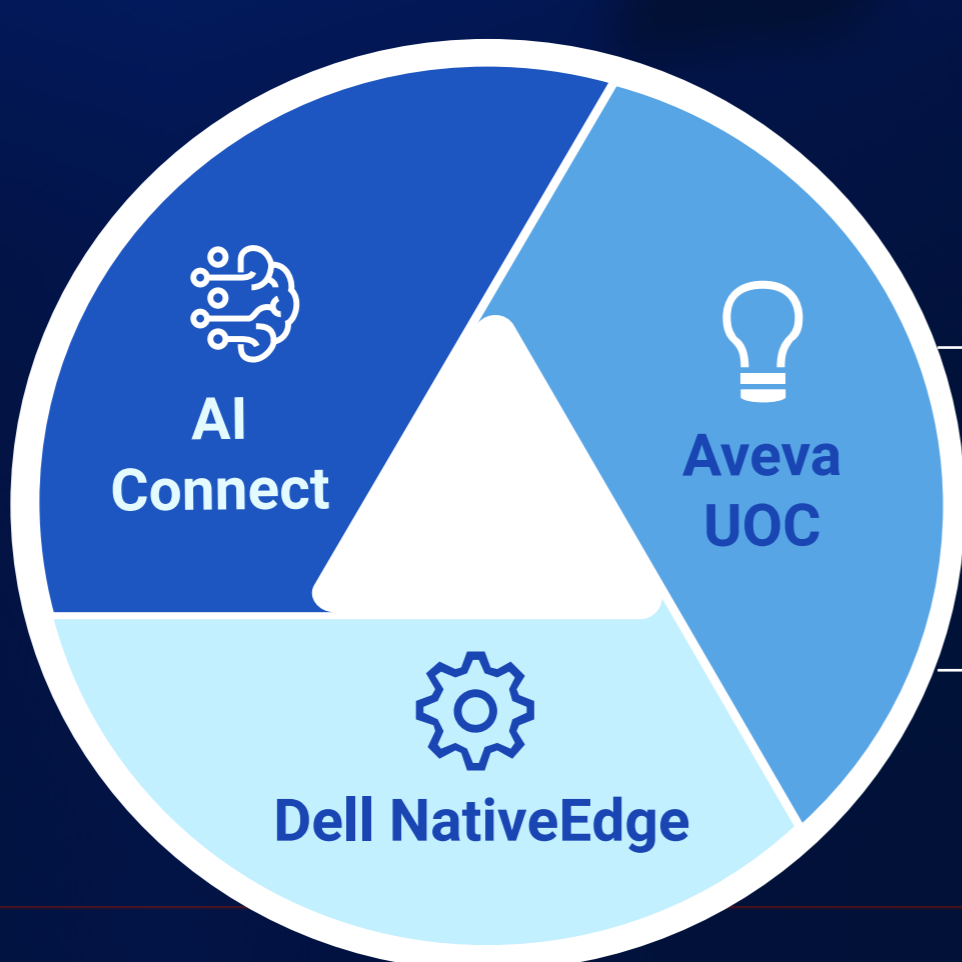# Accelerating
cities of the future

Dell Validated Design for
Unified Operations Center

Digitally transforming cities by modernizing urban infrastructure into a cohesive framework of systems and subsystems or a unified operations platform enhancing productivity for various city use cases like sustainable buildings, urban mobility, and critical infrastructure – wastewater treatment.
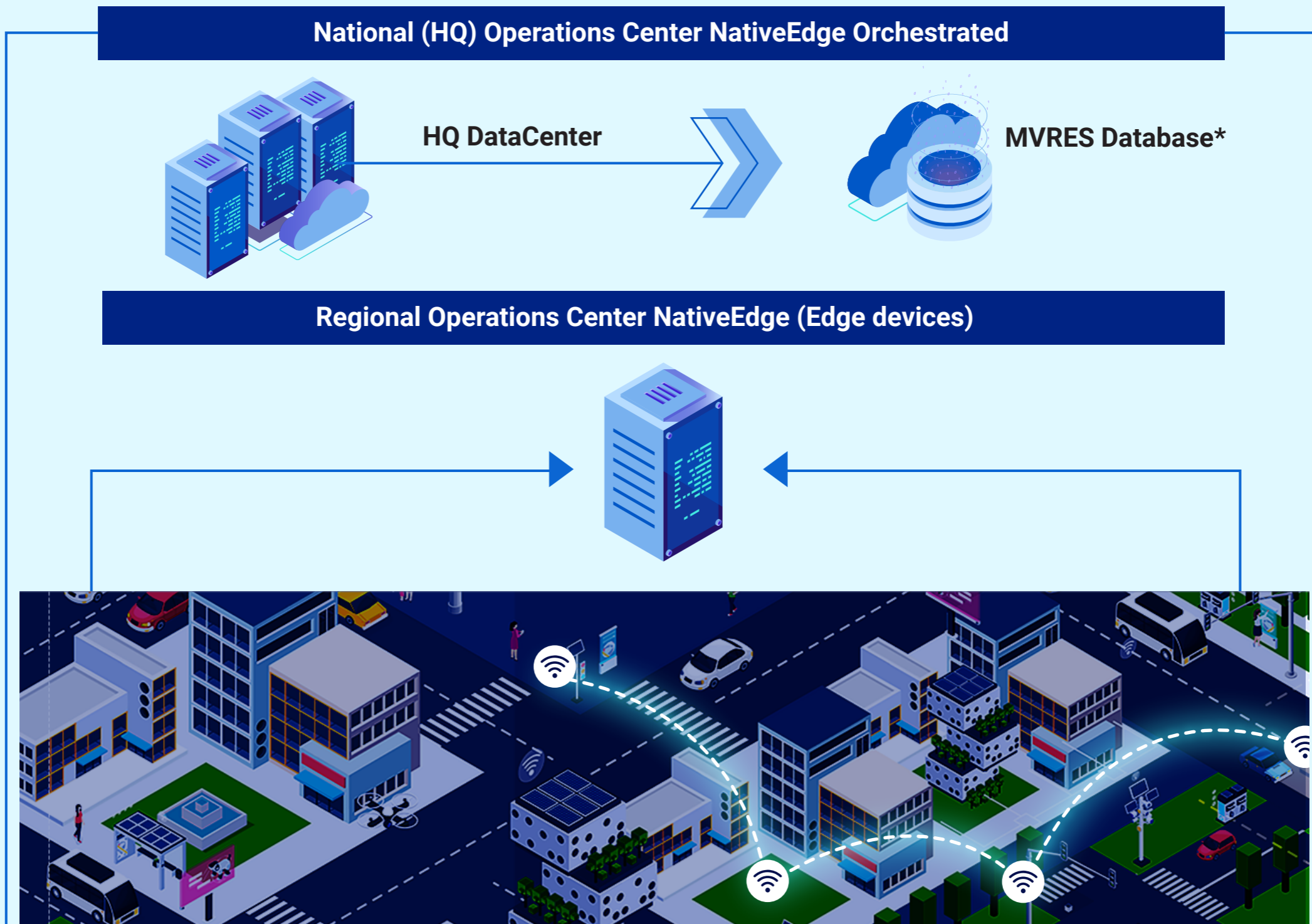
AI Connect
- Integrated Astrikos S!AP
- Unified visualization platform
- Data insights for planning

Aveva UOC
- Data consolidation
- Intelligent insights
- Enhancing urban mobility evolution

Dell NativeEdge
- Validated by Dell team
- NativeEdge blueprints
- Zero trust security
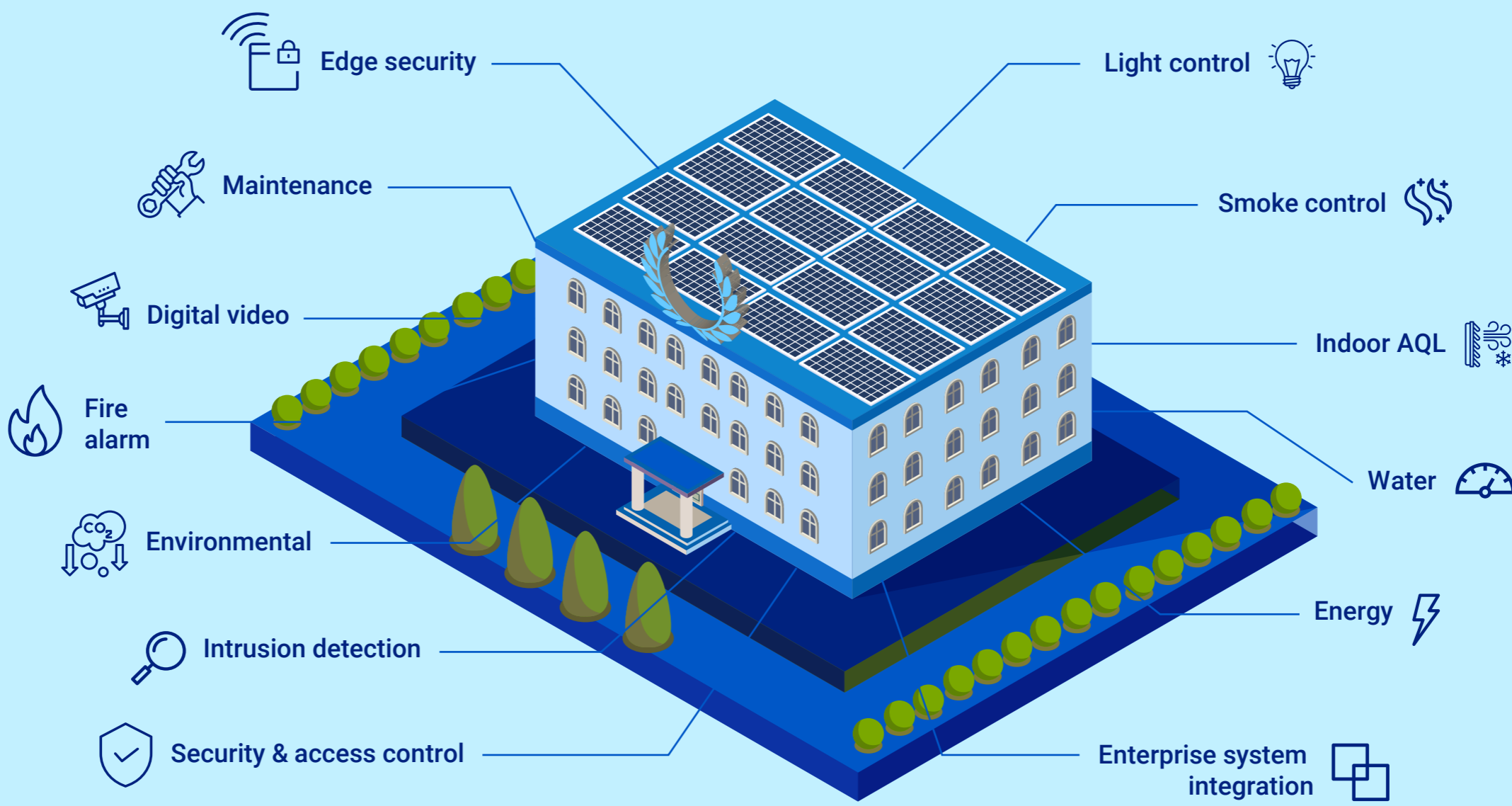
Empowering decision-makers
at every level

NativeEdge Managed Integrated Transportation Systems

Integrating AI algorithms to increase situational awareness and driving improved decision-making and move from reactive crisis mitigation to proactive risk management.
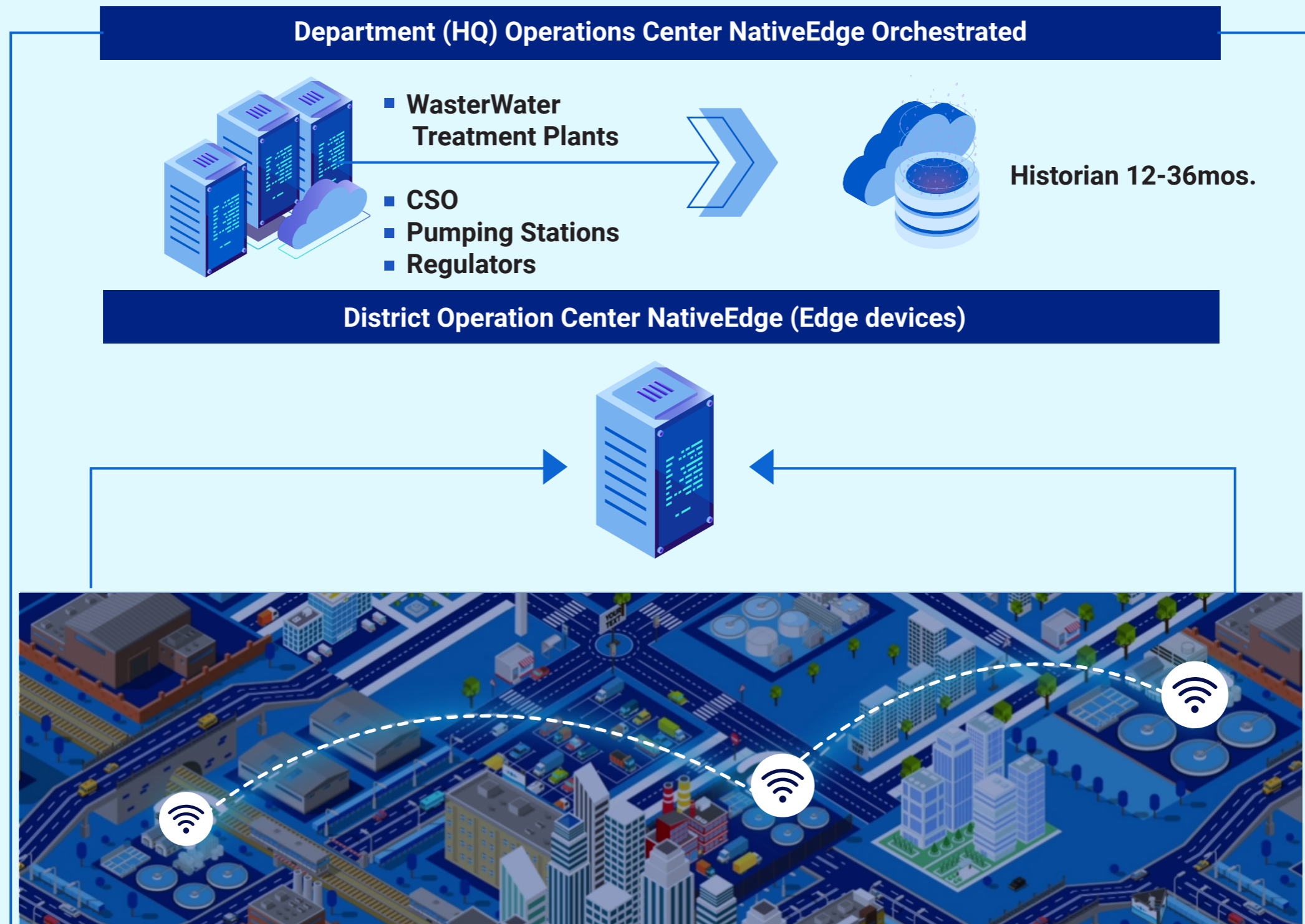
National (HQ) Operations Center NativeEdge Orchestrated

HQ DataCenter → MVRES Database*

Regional Operations Center NativeEdge (Edge devices)

NativeEdge Managed Integrated Building Operations

Monitoring current and future consumption patterns to reduce carbon footprint and reduce maintenance costs by integrating sustainable measures.

- Edge security
- Maintenance
- Digital video
- Fire alarm
- Environmental
- Intrusion detection
- Security & access control
- Light control
- Smoke control
- Indoor AQL
- Water
- Energy
- Enterprise system integration

NativeEdge Managed Integrated Plant Operations

Monitor metrics for water flow intake, processing, and resupplying community water sufficient to handle dynamic city demand in a variety of situations.

Department (HQ) Operations Center NativeEdge Orchestrated

- WasterWater Treatment Plants
- CSO
- Pumping Stations
- Regulators

Historian 12-36mos.

District Operation Center NativeEdge (Edge devices)

With the NativeEdge and its capabilities at its core, the Dell Validated Design for Unified Operations Center combines Aveva's expertise and Astrikos AI engine to bring together data from diverse sources to produce actionable city outcomes and facilitate faster implementation of AI solutions.

To learn more, visit our website http://www.dell.com/digitalcities or write to us at DigitalCities@dell.com