Top 5 Ways AI and Data are Powering the Smart Cities of the Future

SEAGATE

Smart cities are answering urban woes by collecting information from a variety of sensors to reduce crime, secure public cities, optimize utility efficiencies, improve traffic flow, and safeguard resident from threats.

According to a 2009 study by the United Nations, **1.3 million people move into cities every week**, and by 2040, **65 percent** of the world's population will be living in cities.

According to research firm IHS Markit, **the global city surveillance market surpassed $3 billion in 2017** and is forecasted to grow at an average annual rate of 14.6 percent from 2016-2021.

Smart City Technology Evolves Day-to-Day Living*

Security – Body-worn cameras, advanced surveillance cameras with analytics, gunshot detectors and home security systems are some of the notable devices being deployed across smart cities to enhance security operations. These sensors **help reduce crime by 30-40 percent.**

Healthcare – IoT devices are being utilized to provide remote patient monitoring, providing real-time alerts to staff who can take actions before the situation escalates to a crisis, **helping to lower mortality rates.**

Mobility – Intelligent street lights are optimizing routes based on traffic patterns. They help **reduce emergency response time by 20 to 35 percent.**

Energy – Smart meters allow for more frequent readings and home energy consumption tracking, providing families with information that can be used to make lifestyle adjustments **to lower utility bills.**

Economic Development, Housing and Community Engagement – Platforms are becoming available to the public providing helpful information, such as roadblocks to steer away from and disturbances to be aware of, and inviting incident reporting, such as vandalism.

Seagate SkyHawk™

- Tuned for 24/7 workloads
- Simultaneously supports 64 HD cameras and 16 AI streams
- Features ImagePerfect firmware, delivering zero dropped frames
- Monitors drive health parameters with SkyHawk Health Management

All in all, video storage solutions are the heartbeat of smart city surveillance applications, enabling recordings, data retention, predictive analytics, and real-time alerts. As the unsung hero of city surveillance and AI applications, data– the recording, storage, deep learning and delivery of critical information– is powering tomorrow's smart cities.

*Statistics are from the McKinsey Global Institute 2018 report, Smart Cities: Digital Solutions for a More Livable Future

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