Singtel

4 technologies reshaping public safety and the network that powers them

Across Asia Pacific, governments are investing in smarter, safer cities. Public safety is becoming an infrastructure question.

35 cities[1]

The ASEAN Smart Cities Network has grown from 26 at launch to 35 today. The ASEAN Smart City Action Plan 2026–2035 has been adopted.[1]

39B

connected IoT devices by 2030[2]

Up from 21.1 billion in 2025 — cameras, sensors, traffic systems, and citizen-facing devices feeding into one operational picture.[2]

$457B

APAC smart-city market by 2030[3]

Traffic, emergency response, surveillance, and citizen services are all moving onto shared digital infrastructure.[3]

59%

surge in APAC ransomware in 2025[4]

Public services are now a primary target, and the threat is escalating fastest in East and Southeast Asia.[4]

The 4 capabilities behind safer cities

Capabilty	What it does	Why it matters
Robotics	Autonomous and remote-operated robots for patrol, hazardous-environment response, and emergency logistics.	Keeps responders out of dangerous environments. Extends presence into hours and locations where human deployment is limited.
Quantum-safe security	Encryption designed to withstand attacks from future quantum computers, applied to citizen data, critical-infrastructure controls, and government communications.	Sensitive records captured today can be decrypted later by an adversary with a sufficiently capable quantum computer.
Modern data architecture	A unified data layer across agencies, with real-time flows and built-in governance.	Coordinated public safety needs one operational picture. Agency-by-agency systems running in parallel produce blind.
AI-driven decision systems	Real-time analytics for traffic, emergency response, infrastructure health, and citizen services. Pattern detection across millions of data points.	Evidence-based decisions in operational timeframes. Decisions that previously took weeks to compile are now available in seconds.

All 4 capabilities rest on the same foundation

High-performance, low-latency connectivity

Robotics and real-time analytics require deterministic network performance for mission-critical operations.

City-scale IoT

Sensors and devices need managed connectivity at urban density, with security and lifecycle management built in.

Quantum-resilient encryption

Protection for data in motion and at rest that holds up under quantum-era threats.

AI-grade compute and orchestration

Pre-validated infrastructure that runs AI workloads reliably across the city's operational footprint.

The Singtel Enterprise stack for smarter, safer cities

Product	Role in the stack
Singtel 5G+	For robotics, video analytics and real-time response.
Singtel QSN	Quantum-Safe Network to protect critical systems ahead of future risk.
Managed IoT Intelligence	For city-scale sensor networks.
Singtel AI-Ready Infrastructure	For production AI workloads.
Singtel CUBΣ	Unified control across distributed digital operations.

Build the foundation for smarter

Contact us

References

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[3] MarketsandMarkets. APAC Smart Cities Market 2025–2030. 2025.

[4] Asia Pacific Security Magazine. Ransomware Attacks in Asia-Pacific Up 59%. March 2026.