A City Implements Better Connectivity for Better Opportunities

An Asian city planned to upgrade city infrastructure with Moxa?s PoE switches to integrate city surveillance, data collection, and public services.

An Asian capital planned to utilize ICT (information and communication technology) to construct city infrastructure to keep ahead of global competition with improved public services and business conditions. The infrastructure would need to support 24/7 services, including data collection from sensors, surveillance video from cameras, and urban network access.

System Requirements		
• Broadband data collection and power-supply		

- Uninterrupted network reliability
- Network protection against cyber attacks

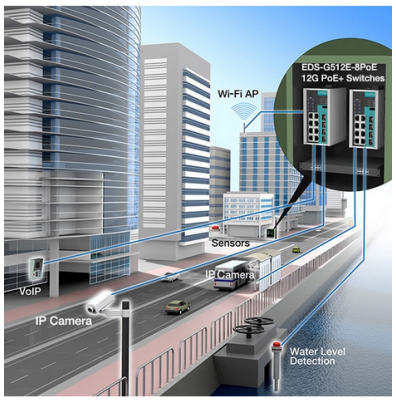
Moxa's Solutions

To simplify such a varied network infrastructure, 12-port Gigabit EDS-G512E-8PoE switches were used to support mixed data collection and power supply for the variety of field instruments installed inside street facilities.

Built with full Gigabit capabilities, the switches provide up to 8 channels of 36 W output to feed electricity to a large number of PoE powered devices (PDs) including sensors, cameras, and wireless access points, all of which must receive sufficient power to provide full functionality and performance.

With the Smart PoE utility, the EDS-G512E-8PoE switch provides auto-detection of a PD's power class to facilitate plug-and-play deployment and startup. Smart PoE allows for remote monitoring and auto reboot of PDs, simplifying basic troubleshooting and maintenance and cutting down on manual tasks needed.

The EDS-G512E-8PoE switches provide cybersecurity that prevents malicious network access, and also provides extreme robustness against environmental threats, including EMI, surge, noise,



shock, and extreme temperature variations. **Why Moxa** • 12-port Gigabit and high PoE+ output for bandwidth and power hungry IP cameras and wireless APs • Extreme robustness against extreme conditions • Device-level cybersecurity for access protection		