

Huawei Launches Digital Platform for Smart Cities



At the Smart City Expo World Congress (SCEWC) 2018, Huawei has showcased its Digital Platform based on leading ICT including artificial intelligence (AI), internet of things (IoT), big data and cloud, enabling city-wide intelligence and sustainable development across the international smart city industry. Huawei and its global partners demonstrated solutions based on the platform covering municipal management, public safety and environmental protection, as well as smart transportation, smart government, smart education, and smart agriculture.

These solutions are designed to facilitate city governance, improve public services, and enable industry innovation and best practices. During SCEWC, Huawei hosted its Global Smart City Summit 2018 with the theme of "Digital Platform Empowers Smart City+" to

introduce its Digital Platform for smart cities.

Building a Digital Platform to Enable Smart Cities

Digital technologies are becoming deeply embedded in all areas of many cities including urban governance, citizen life, public safety and industrial development. As a result, a smart city development race driven by the growing global digital economy is taking place around the world. Smart city adoption has undergone the first stage of breaking down data silos, the second stage of the rise of mobile Internet applications, and the third stage of IoT deployment for collection of mass volumes of city data. It is now at the fourth stage, where cities are improving their management capabilities through AI-enabled data mining, achieving the integration of digital technologies and city governance to promote sustainable city development.

Ma Yue, Vice President of Huawei Enterprise Business Group and President of the Global Sales Department of Huawei Enterprise Business Group, said: "The development of a smart city is a highly complex project. As a world-leading ICT product and solution provider that delivers cloud-pipe-device synergy, Huawei can achieve the integration of cloud, IoT, video and edge computing with AI technologies, connecting the entire city. This constructs a '+AI Digital Platform' that is open and fuels the digital transformation of cities of the future. Just like an operating system, the platform is compatible with different city sensors, creates a city digital twin, and supports diverse city applications. In the future, the +AI Digital Platform will form the smart foundation of more and more cities, promoting sustainable city development worldwide."

International, cross-industry thought leaders and city administrators also believe that global smart city construction signals the advent of a platform-based era.

Platform + Ecosystem Strategy

AI is at the core of the platform which integrates IoT, big data, GIS, video cloud and converged communications resources. The platform represents a shift from traditional information systems and lays a solid foundation for smart city development. Huawei has also developed a middleware platform to provide services to software application partners. This is designed to help application partners quickly develop upper-layer applications to accelerate transformation and innovation in city management, city services, and industry development.

Huawei is the industry's first vendor to provide a full-stack digital platform covering cloud-pipe-device technology, and Platform as a Service (PaaS) capabilities. Secondly, the Digital Platform has comprehensive components and capabilities at the PaaS layer including IoT, big data, GIS, video cloud, converged communications, AI, and information security. The platform also includes an industry enablement platform that integrates these capabilities. Huawei's sustainable advantages are the result of its self-developed chips, algorithms, and architectural design, with technical innovation driven by customer demand, as well as continuous R&D investment.