TRAVEL SMART WITH INTELLIGENT TRANSPORT SYSTEMS
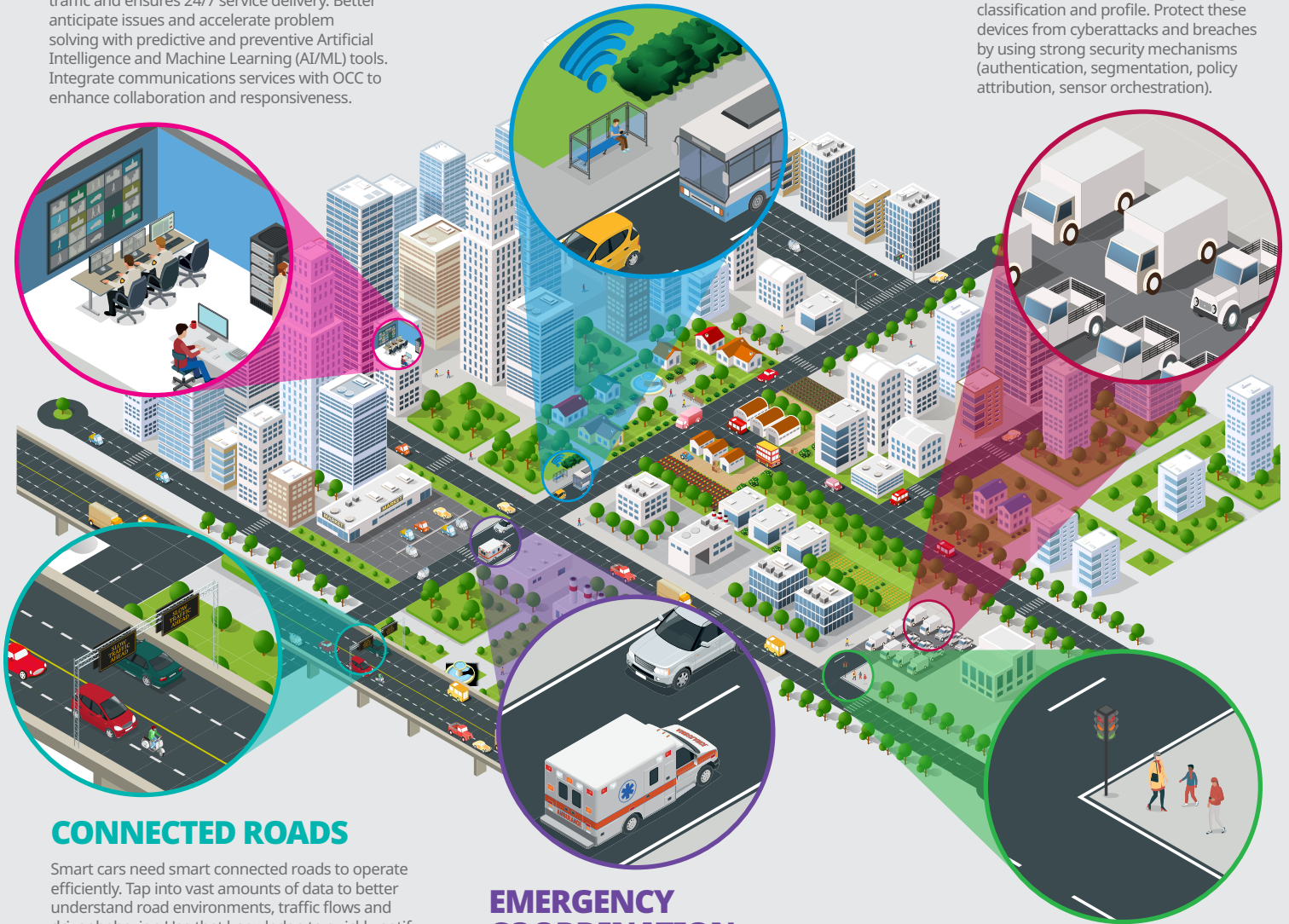
OPERATIONS CONTROL CENTER

As the main hub for all data from IoT-enabled devices – such as CCTV cameras, sensors and smart displays – the OCC coordinates emergency vehicles and road services, monitors traffic and ensures 24/7 service delivery. Better anticipate issues and accelerate problem solving with predictive and preventive Artificial Intelligence and Machine Learning (AI/ML) tools. Integrate communications services with OCC to enhance collaboration and responsiveness.

CONNECTED BUS STOPS

Transit passengers require the most up-to-date schedule information as well as traffic and road condition data to ensure a safe and timely arrival. Dynamically push travel information to commuters. Use intelligent security cameras to easily detect and assist single or vulnerable riders.

IOT SENSORS FOR CAR PARKS

Mobile apps help find parking spots, but sensors and cameras are game changers. They help monitor air quality, vehicle emissions and safety incidents such as fire, flood, theft and vandalism. Automatically onboard IoT devices based on the right classification and profile. Protect these devices from cyberattacks and breaches by using strong security mechanisms (authentication, segmentation, policy attribution, sensor orchestration).

CONNECTED ROADS

Smart cars need smart connected roads to operate efficiently. Tap into vast amounts of data to better understand road environments, traffic flows and driver behavior. Use that knowledge to quickly notify authorities of incident information and communicate approaching road conditions to drivers.

EMERGENCY COORDINATION

When a critical incident occurs, decision-making and coordination are crucial. Deliver the right information at the right time to the right team with a mission-critical communications system, connecting all systems together. Better coordinate emergency response amongst security, ambulance, fire, police and maintenance staff using specific communications tools that enhance safety operations.

CAMERA-EQUIPPED TRAFFIC LIGHTS

With traffic volumes on the rise, digitized and connected traffic lights enforce traffic rules, monitor volume and help alleviate congestion. In the event of an accident, data from camera-equipped traffic lights help the OCC quickly alert assistance services. Camera synchronization and remote management are simplified through Internet Protocol (IP) connectivity.

Learn more about ALE technologies for intelligent transportation systems

Alcatel·Lucent Enterprise