Traffic and Transportation
Streamlined Traffic Flow from A to B

As urbanization advances, mobility in cities forms a central theme and is an important driving force for growth and progress. Intelligent traffic planning, the expansion of local transportation, and the optimal networking of all road users are the characteristics of a smart city. Airports, road networks, and rail transportation can be optimally controlled and monitored with zenon.

ROAD TRAFFIC
▸ Particulate Matter Monitoring
▸ Traffic light system
▸ Traffic control system management
▸ Control of variable traffic signs
▸ Dynamic display of available parking spaces
▸ Parking guidance system
▸ City network monitoring
▸ Maintenance of traffic control systems

TUNNEL SYSTEMS
▸ Emergency power supply monitoring
▸ Monitoring & control of ventilation and lighting
▸ CO_2 measurement and temperature control
▸ Control of fire alarm systems
▸ Remote access and monitoring
▸ Camera system / CCTV control
▸ Congestion monitoring

RAIL TRANSPORTATION
▸ Control and maintenance of power systems
▸ Real-time monitoring
▸ Alarm messages in real time
▸ Demand-responsive traffic control
▸ Temperature measurement
▸ Maintenance of signaling systems

SHIPS
▸ Monitoring and control system
▸ Optimization of route navigation
▸ Real-time monitoring of important parameters
▸ Digitalization of freight documents
▸ Monitoring with mobile devices
▸ Marine navigation lights
▸ Canal lock management

AIRPORTS
▸ Control of aviation light signals
▸ Passenger flow management
▸ Baggage conveyor maintenance
▸ Baggage tracking
▸ Baggage logistics control

The zenon Software Platform supports the automated collection and evaluation of required data. It provides a basis for decision making in the operation of road and rail network systems as well as the maintenance of infrastructure in the public transportation sector. zenon is certified accordingly and fulfills a range of requirements, including those of TÜV Süd.