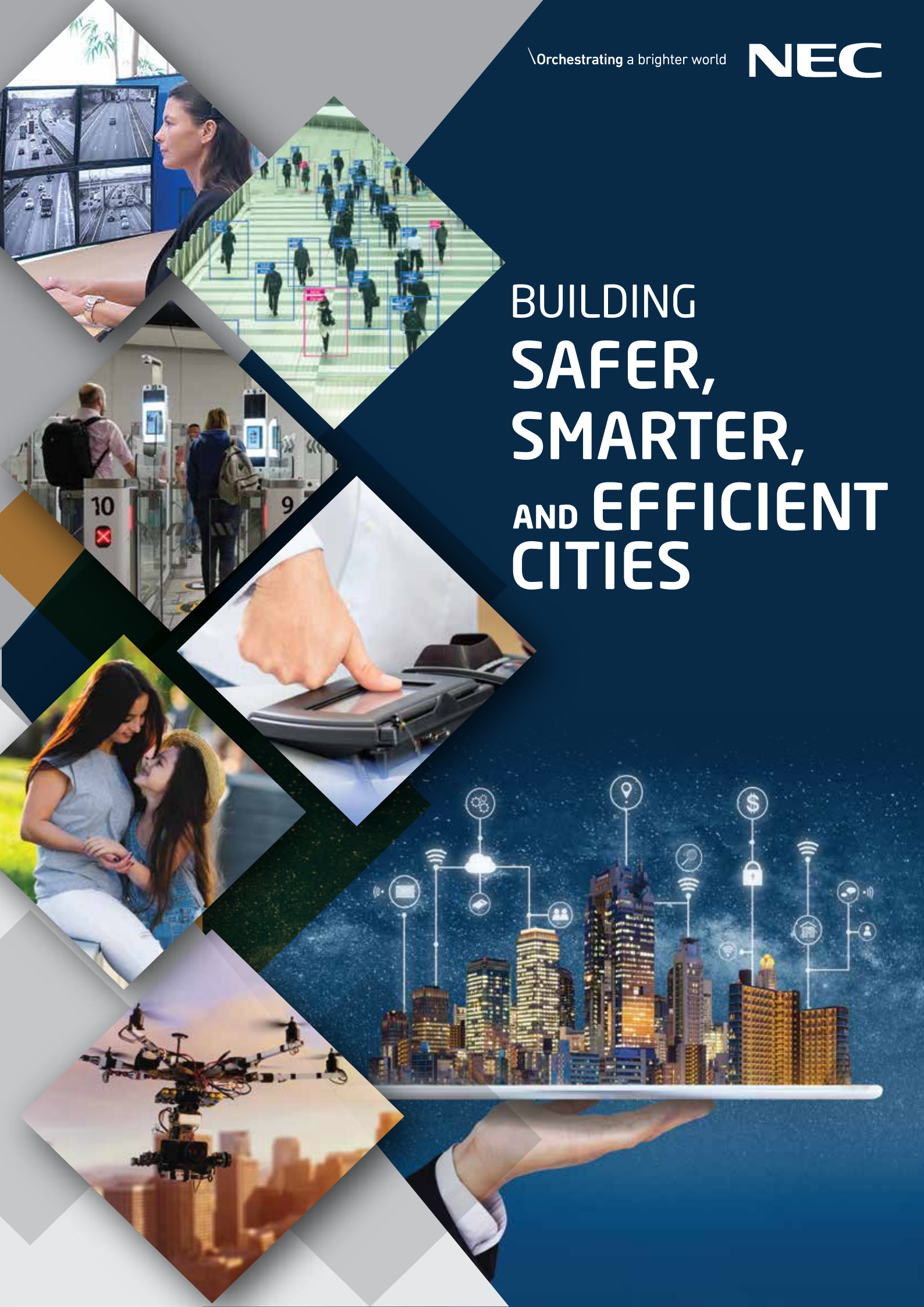


Orchestrating a brighter world

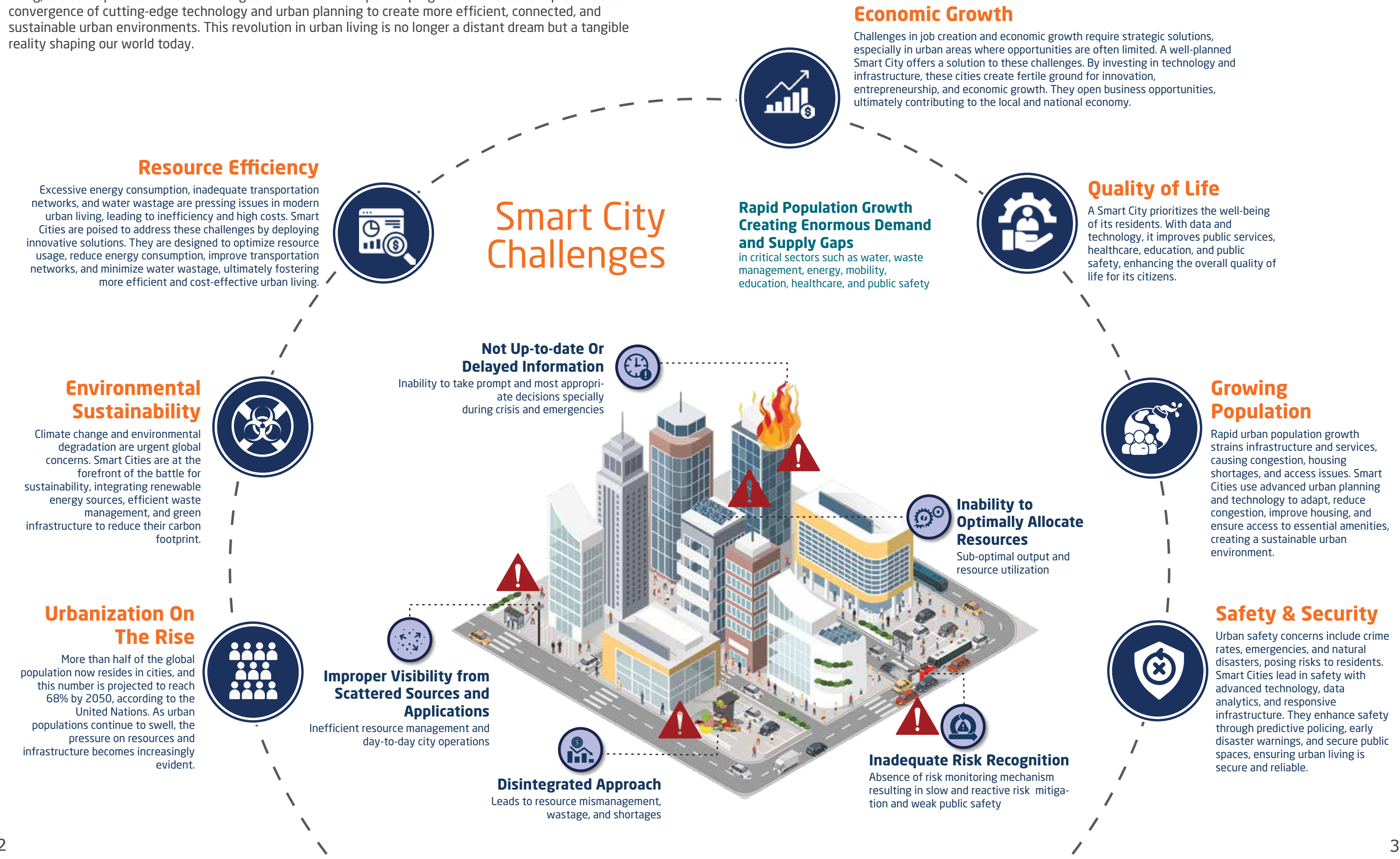
NEC

BUILDING SAFER, SMARTER, AND EFFICIENT CITIES



Smart Cities: A Necessity

In an era defined by rapid urbanization, technological innovation, and a growing need for sustainable living, the concept of Smart Cities emerges as a beacon of hope and progress. Smart Cities represent the convergence of cutting-edge technology and urban planning to create more efficient, connected, and sustainable urban environments. This revolution in urban living is no longer a distant dream but a tangible reality shaping our world today.



NEC Smart City Solution

Transforming Cities into Smart and Futuristic Living

NEC's City Management Solutions provide **Unified and Secure Platforms like the Integrated Command and Control Centre & Citizen Engagement Portal that Integrate, Share, And Analyze Entire City Operations** enabling efficient city operations and better citizen services.

Sustainable and Effective City Operation



Improved Incident Management



Improved Emergency Response time



Crime Prevention



Peace of Mind for Communities



Improved Quality of Life



Enhanced Security



Improved Urban Governance



NEC Smart City Solution Overview

Key Technologies



ICCC

Nerve centre of the city that leverages advanced technology for real-time monitoring, data integration, and decision support, enhancing situational awareness and response coordination.



IoT

Enabling seamless connectivity and data exchange between diverse devices and systems, driving efficiency automation, and innovation.



Citizen Engagement Portal

An online platform for citizens to interact with government agencies, access services, and provide feedback.



Biometrics & Digital Identity

Solutions providing secure and accurate authentication through cutting-edge biometric solutions such as fingerprint, face, and iris recognition.



Artificial Intelligence

Solutions leveraging advanced machine learning and data analytics to empower organizations with intelligent automation, predictive insights, and enhanced decision-making capabilities.



Intelligent Video Analytics

Harnessing the power of AI and computer vision to deliver real-time insights from video data, enhancing safety, security, and operational efficiency in various applications.



Enhancing City Operations

- Real-time centralized data & analytics
- Efficient & effective administration, citizen services, sentiment analytics & grievance handling
- Disaster management and emergency response
- Better management of utilities & quantification of services



Monitoring & Controlling

- Centralized response using pre-defined SOPs
- Decision support system
- Integrated & efficient resource management



Data Centre & Cloud Ready Scalable Solution

- Cloud governance & management
- Continuous/automatic backup & scalability
- Enhanced network & data security

Future Proofing for Tomorrow and Beyond

City Management



NEC, leveraging its innovative technologies that **Integrate IoT, AI, Biometrics (Fingerprint, Face, Iris Recognition), Video Analytics, and Network Capabilities**, is dedicated to **Addressing Global Public Safety Issues**, enhancing urban quality of life, and realizing equitable and efficient societies reaching their utmost potential.

Public Safety

Terrorism and Security Threats Mitigation

- Intelligent video surveillance
- Facial recognition systems
- Threat intelligence systems.

Crime Control

- Integration of surveillance systems
- Predictive policing algorithms
- Centralized data management

Emergency and Disaster Management

- Relief and emergency services
- Infectious disease control
- Emergency Response Systems
- Infectious disease control
- Fire Prevention Systems

Public Disorder Management

- Video analytics and real-time monitoring
- Crowd management systems
- Proactive communication and alerts

Community Policing and Fostering Trust

- Community engagement platforms
- Transparent and accountable governance

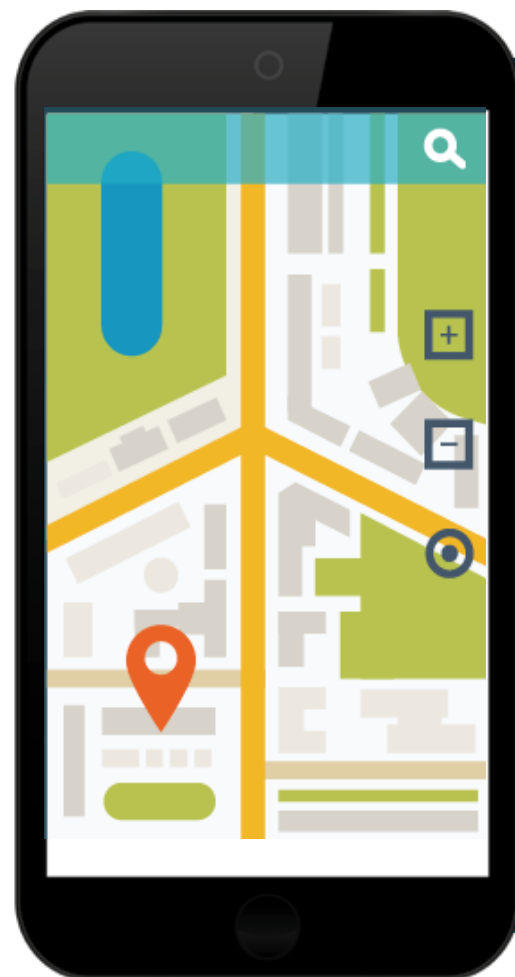
Traffic Safety

- Real-time traffic monitoring, analysis, and incident detection
- Intelligent transportation systems
- Automated traffic violation detection



Smart Transportation

Smart Public Transport



Utilities & Citizen Automated Fare Collection / Smart Card System



Planning and Scheduling



Passenger Information System



Depot Management System



Automatic Vehicle Locating System



A sophisticated set of applications that aims to provide **Innovative Services Related To Various Modes Of Transportation and Traffic Management**, as well as to enable users to become more aware and **Make Safer, More Organized, and Intelligent Use Of Transport Systems**.

Easy and **Accurate Revenue Collection** for an **Enhanced Travel Experience**

Enable / Help Transport Planners in **Performing Daily Tasks Efficiently and Effectively**

Delivers **real-time information** to passengers traveling on the buses through **advanced mobile applications and websites**

Automating the depot operations for public transit systems leading to **smooth operations**

Gives the **True Multi-tasking and Multi-user Environment** with capabilities to **Monitor, Supervise and Control Operations with Real-time Data**

Intelligent Transport Management System



Automatic Number Plate Recognition (ANPR)

Streamlines security and traffic management by automating the identification of vehicles through **license plate recognition technology**.



Red Light Violation Detection (RLVD)

Enhances road safety by **detecting and penalizing vehicles** that **disobey traffic signals**, reducing the risk of accidents.



Monitor Vehicle Density

Provides **real-time insights** into **traffic congestion** and **road usage**, enabling **efficient traffic management** and infrastructure planning.

Smart Aviation

NEC empowers **Contactless Boarding Process At Airports** by making it faster and seamless, **Enabled By Cutting-edge Facial Recognition And Biometric Solutions**.



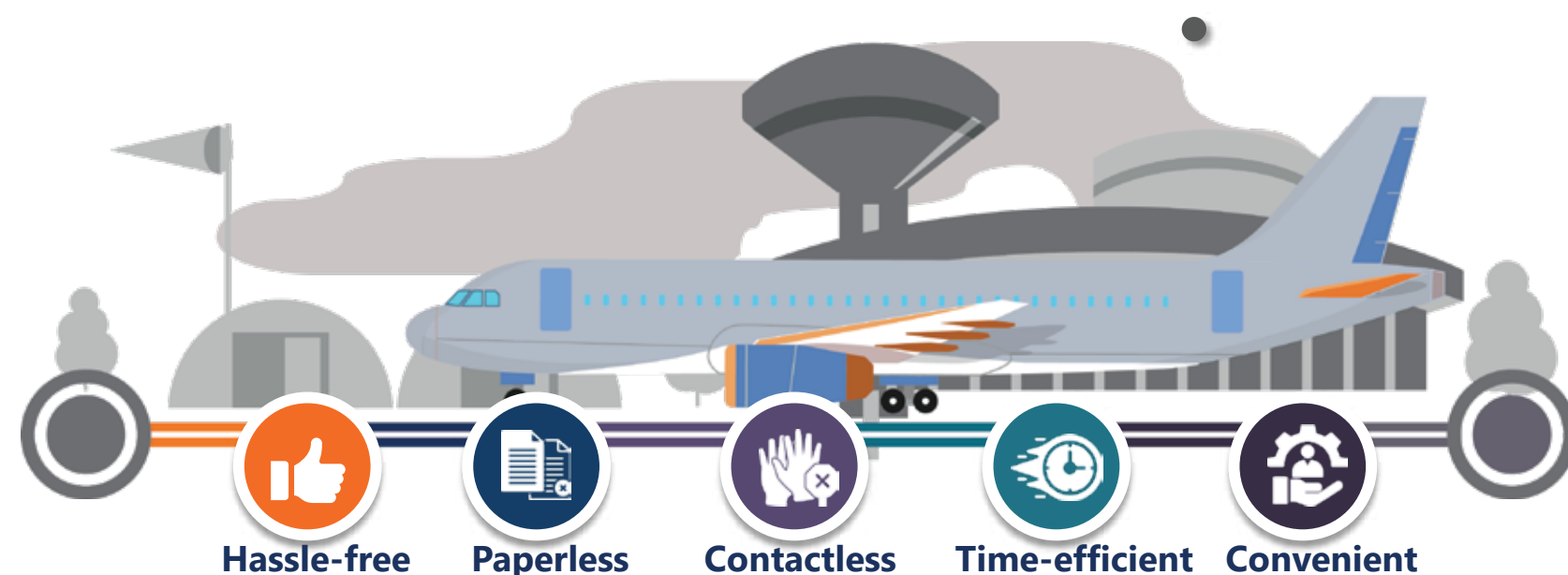
Airport Security and Monitoring

Safeguarding passengers, personnel, and assets through state-of-the-art surveillance technology.



Biometric Boarding

Providing a **seamless and highly secure experience** by leveraging **facial recognition**, ensuring swift and reliable boarding procedures.



Hassle-free

Paperless

Contactless

Time-efficient

Convenient

Smart Logistics

Driving Operational Excellence across the Supply Chain

NEC offers a **comprehensive suite of cutting-edge logistics solutions**, backed by **in-depth domain knowledge and technical expertise**, to create unified digital platforms to **Increase Safety, Enhance Logistics Visibility, Efficiency And Customer Satisfaction**.



Fleet Management

Streamline your fleet operations for optimal efficiency and cost savings.



Yard Management System

Gain full control and visibility over your inventory with precision and ease.



Inventory Management

Gain full control and visibility over your inventory with precision and ease.



Gate Automation Solution

Seamlessly manage gate access and enhance security with automated solutions.



Last-Mile Delivery

Delivering convenience and reliability for the final leg of your supply chain.



Logistics Visualization System

Visualize, analyze, and optimize your logistics network for superior performance.



Supply Chain Visibility

Achieve end-to-end visibility for informed decision-making across your supply chain.



Intelligent Video Analytics

Harness the power of AI for enhanced security and operational insights.



Warehouse Management System

Streamline warehouse operations for maximum efficiency and accuracy.



Container Tracking

Real-time tracking and management of containers for a smooth logistics flow.



Smart Factory/Manufacturing

Accelerating your Smart Factory and Industry 4.0 Journey

NEC's Smart Factory and Manufacturing solutions **integrate automation, IoT sensors, and advanced analytics** to **optimize production processes, reduce downtime, ensure quality control, and enable real-time monitoring** of manufacturing operations for increased productivity and competitiveness in the industry.



Problem Assessment & Analysis

Streamlines security and traffic management by automating the identification of vehicles recognition



Vendor & Customer Portal

Bridge the gap between businesses and customers for seamless interactions and transactions.



ERP Deployment, Migration & Maintenance

Streamline your fleet operations for optimal efficiency and cost savings.



Data Centre Services

Elevate your data management with state-of-the-art infrastructure and expert support.



Warehouse Management System

Optimize inventory control and logistics for a more efficient supply chain.



Touchless Access Control

Secure and simplify access management with cutting-edge contactless technology

Smart Enterprises

Driving Operational Excellence across the Supply Chain

NEC's Smart Enterprise solutions harness the power of emerging technologies like AI, IoT, and cloud computing to **streamline operations, enhance customer experiences, and drive innovation, enabling businesses to stay competitive** in the ever-evolving digital landscape.



Workforce Management and Scheduling

Empowering organizations to efficiently manage, schedule, and optimize their workforce.



Employee Safety and Security System

Ensuring peace of mind by safeguarding employees and assets with advanced security measures.



Asset and Equipment Tracking

Ensuring asset visibility and accountability for improved operations and cost control.



Digital Access Control

Providing secure and convenient access management for a modern, connected world.



Facility Management Software

Streamlining facility operations for enhanced efficiency and cost-effective management.



Visitor Management System

Empowering organizations to efficiently manage, schedule, and optimize their workforce.



Data Backup and Disaster Recovery

Protecting business continuity with robust data backup and rapid disaster recovery solutions.



Supply Chain and Inventory Management

Streamlining facility operations for enhanced efficiency and cost-effective management.



Document Management and Workflow Automation

Ensuring asset visibility and accountability for improved operations and cost control.



Employee Wellness and Productivity Solutions

Promoting employee well-being and productivity with tailored support and resources.



Cloud-Based Collaboration Tools

Enabling seamless teamwork and communication through cloud-powered collaboration tools.

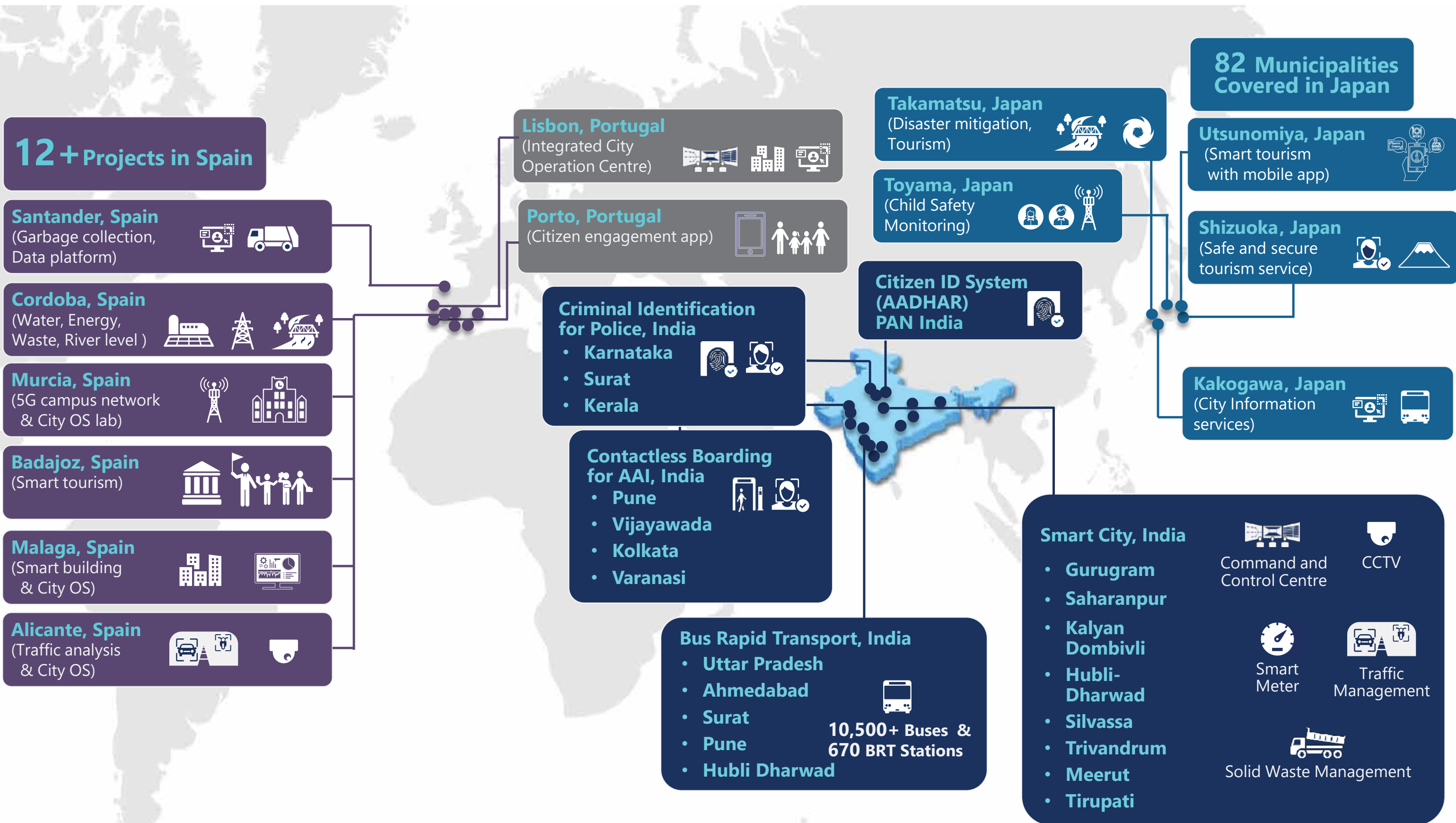


Remote Work Solutions

Facilitating remote work success with technology-driven solutions for flexibility and productivity.

NEC Global Smart City Experience

Deep domain expertise and knowledge gained over significant smart city implementations across the world



Orchestrating a brighter world

NEC

Why NEC

NEC has deep expertise in the design and implementation of public safety solutions that leverage the most innovative technologies. We work by analyzing the state of citywide safety and convenience technologies being used currently, to identify the bottlenecks that need to be addressed to resolve issues faced by both citizens and the government operating agencies. Our mission is to streamline the smart city services, minimize threats & amplify user experience.

1899
Established

160+
Countries

106K
Employees

49K+
Patents



For further queries & demonstration, please contact

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