Smart cities

bosch.com/smartcities

Bosch solutions for livable, sustainable and resilient cities.
Bosch is transforming the cities of the future into vibrant, attractive, and sustainable places for people to be. These connected cities are interactive places where everyday life is easy and efficient and where people are in tune with each other and their city.

We provide connected solutions, devices, and information for people in the city. Working with city stakeholders and partners, we strive to simplify urban mobility, enhance safety and security, optimize use of resources, and support citizen participation.

**Mobility**
- Connected parking
- Intermodal transportation
- E-Mobility
- Environmental monitoring
- Fleet management

**Energy**
- Virtual power plants
- Energy storage solutions
- Energy-efficient heating, hot-water & cooling systems

**Safety & security**
- Safety & security solutions
- Flood recognition

**E-governance**
- City data platform
- Community app

**Buildings**
- Connected home appliances
- Connected building
- Smart homes
Convenience thanks to connected home appliances

+100% more connected things in commercial buildings by 2018 will lead to greater efficiency, convenience, and security

1 billion connected things by 2018 in the smart-home sector, controlled via a single app

Livable, healthier, and connected communities = greater comfort and transparency

+ Air quality

−13% crime in L.A. achieved with security solutions

20% share of renewable energy as part of a reliable and cost-effective power supply

Smart and clean energy from renewable sources and decentralized power solutions

−30% traffic volume possible as a result of less searching for parking spaces

+20% use of public transport = more convenience and time saved

13 million charging stations worldwide by 2020 with easy access via charging app

£33 billion saving potential by the British government through better use of big data

45% annual growth rate of connected-vehicle market worldwide = higher productivity and transparency

Trends & benefits

1 www.geekwire.com
2 www.worldecomp-proceedings.com
3 www.statista.com
4 www.statista.com
5 www.europarl.europa.eu
6 www.businesswire.com
7 www.businessinsider.com
Virtual power plants increase grid stability and optimize grid quality.

Energy-efficient heating, hot water & cooling systems with connectivity and predictive maintenance functions.

Decentralized energy by tailor-made solutions including combined heat & power and battery storage.

Connected building for remote monitoring of building operations and equipment.

Connected home appliances controlled with your home connect app.

Smart homes with interoperable solution connecting Bosch and partner IoT devices.

Energy

Buildings

E-governance

Safety & security

Connected parking simplifies parking, from searching for a parking space to the parking maneuver.

Intermodal transportation platform is a central hub for mixed-mode travelling (car, bike, public, etc.).

E-Mobility app provides EV drivers convenient access to charging infrastructure.

Community app provides localized, real-time information and services to residents.

Safety & security solutions for efficiently monitoring public areas.

Fixed recognition for proactive engagement of citizens, city administrations and rescue forces.

Environmental monitoring patterns real-time air quality patterns to influence traffic flow.

Float management gives access to vehicle data in real-time to optimize operational processes.