



BOSCH

Invented for life

Smart cities

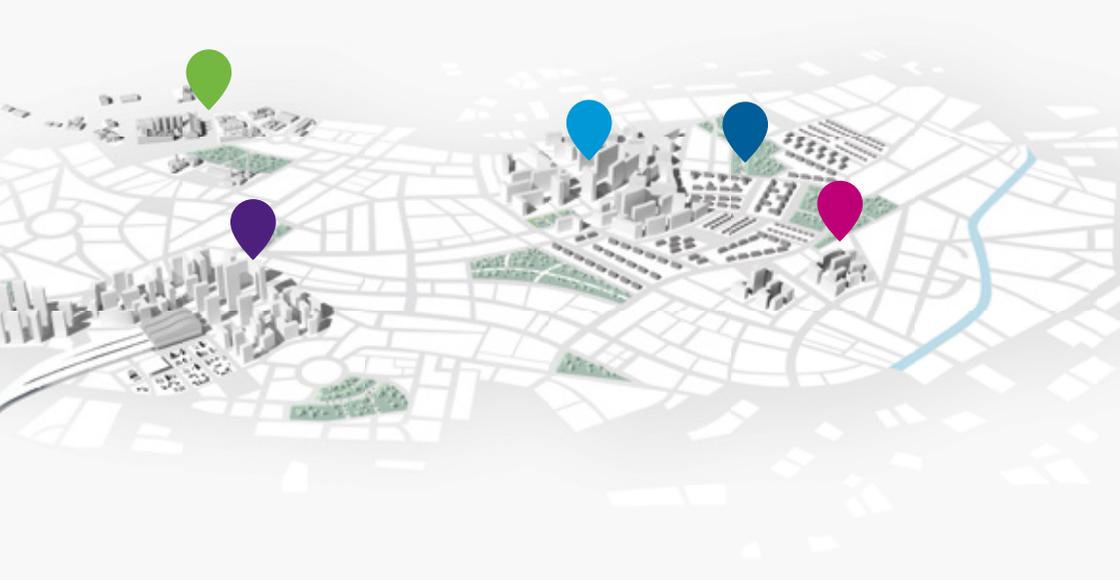
[bosch.com/smartcities](https://www.bosch.com/smartcities)

Bosch solutions for livable,
sustainable and resilient cities.

Smart solutions for cities from Bosch

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

Trends & benefits

20% share of renewable energy

as part of a reliable and cost-effective power supply



+ Convenience

thanks to connected home appliances



+100% more connected things

in commercial buildings by 2018⁴ will lead to greater efficiency, convenience, and security



1 billion connected things by 2018

in the smart-home sector³, controlled via a single app



+ Livable, healthier, and connected communities

= greater comfort and transparency



£33 billion saving potential

by the British government through better use of big data²



-13% crime

in L.A. achieved with security solutions¹



+ 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 saved⁵



13 million charging stations

worldwide by 2020⁶ with easy access via charging app



↑ Air quality

45% annual growth rate of connected-vehicle market worldwide⁷

= higher productivity and transparency



¹ www.geekwire.com

² www.worldcomp-proceedings.com

³ www.statista.com

⁴ www.statista.com

⁵ www.europarl.europa.eu

⁶ www.businesswire.com

⁷ www.businessinsider.com

Bosch solutions

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 home appliances
controlled with your home connect app

Connected building
for remote monitoring of building operations and equipment



Smart homes
with interoperable solution connecting Bosch and partner IoT devices

Energy

Buildings



E-governance

Safety & security

Mobility



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

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



Connected parking simplifies parking; from searching for a parking space to the parking maneuver



Fleet management gives access to vehicle data in real time to optimize operational processes

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



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



City data platform makes real-time city data understandable



Safety & security solutions for efficiently monitoring public areas

Flood recognition for pro-active engagement of citizens, city administrations and rescue forces



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