BOSCH
Invented for life

Smart cities

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.
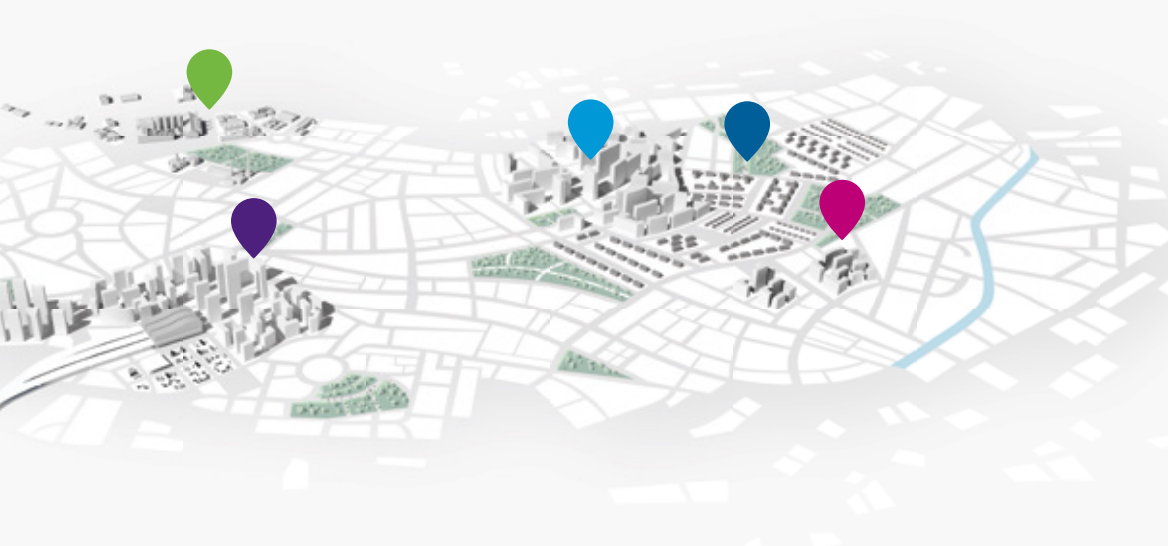
Mobility
- ▶ Connected parking
- ▶ Intermodal transportation
- ▶ E-Mobility
- ▶ Environmental monitoring
- ▶ Fleet management

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

+ Smart and clean energy
from renewable sources and decentralized power solutions

+100 **%** **more connected things**
in commercial buildings by 2018[4] will lead to greater efficiency, convenience, and security

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

1 **billion connected things by 2018**
in the smart-home sector[3], controlled via a single app

+20 **%** **use of public transport**
= more convenience and time saved[5]

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

↗ 13 **million charging stations**
worldwide by 2020[6] with **easy access** via charging app

£33 **billion saving potential**
by the British government through better use of big data[2]

↗ Air quality

−13 **%** **crime**
in L.A. achieved with security solutions[1]

45 **%** **annual growth rate of connected-vehicle market worldwide[7]**
= 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

Virtual power plants
increase grid stability and optimize grid quality
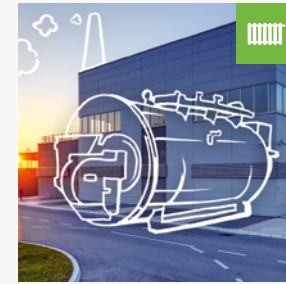
Energy-efficient heating, hot water & cooling systems
with connectivity and predictive maintenance functions

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
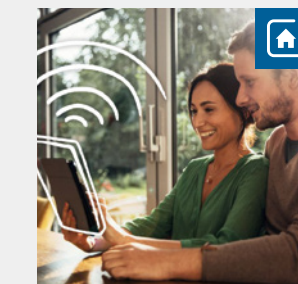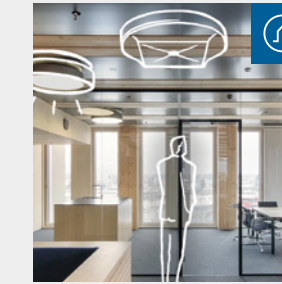
Smart homes
with interoperable solution connecting Bosch and partner IoT devices

Buildings

Energy

E-governance

Safety & security

Mobility

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

City data platform
makes real-time city data understandable

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

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

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

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.)

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

Safety & security solutions
for efficiently monitoring public areas

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Simply.
Connected.