Building Smart Cities and Communities with Bosch

For vibrant, attractive and sustainable places for people to be
Bosch Group
With us as a partner, you will be prepared for the future

4 business sectors

Mobility Solutions

Industrial Technology

Energy and Building Technology

Consumer Goods

ca. 410,000* associates

89* billion dollars in sales

* As of 12.18
Like it or not...

Today: 7.6 billion people living in cities, 54% of the population.

In 2050: 9.8 billion people living in cities, 70% of the population.

600% increase in urban population.
BUT HOW DOES THIS CHANGE YOUR EVERYDAY LIFE?
THE HIGHER NEED FOR ENERGY WILL MAKE IT A EVEN MORE VALUABLE GOOD!
MORE PEOPLE
MORE WASTE

618 kg/ P
YOU WILL BE STUCK IN TRAFFIC JAM MORE THAN 46H PER YEAR
DON‘T YOU HAVE BETTER THINGS TO DO?
GOOD NEWS: YOU DON'T HAVE TO LIKE THAT PART ABOUT URBANIZATION!
Building Smarter Cities and Communities

Smart City and Smart Community

Our vision for a smart city is to create an interconnected ecosystem that works to optimize performance and increase the efficiency and quality of life.

**Smart City**

- Retrofit/Legacy
- Responsible for sustainable development of existing infrastructure
- Initial focus on optimizing city for mobility of citizens and goods

**Smart Community**

- New Construction
- New real estate project development with focus on infrastructure, building and resident engagement
- Differentiate project from others by enhancing quality of life in local community
Three Paths to Mobility of the Future

- Hybrid
- Electrified
- Automated

- Legislation
- Assistance Systems
- Emergency Braking Assistant
- Auto Pilot
- Highway Pilot
- Sensors
- Redundancy
- Electric Steering
- Valet Parking
- Digital Environment

- Costs
- Roaming
- Charging Infrastructure
- Power Electronics
- Battery
- Smart Charging
- Plug-in
- Electrical Motor
- Range

- Market Ramp-up
- Driving Enjoyment
- E-bike
- E-scooter

- Connected
- Augmented Reality
- Internet of Things
- Smartphone Integration
- Cloud
- Vehicle to Vehicle
- Vehicle to Infrastructure
- Services
- Entertainment
- Fleet Management
- ECall

- Legislation
- Assistance Systems
- Emergency Braking Assistant
- Auto Pilot
- Highway Pilot
- Sensors
- Redundancy
- Electric Steering
- Valet Parking
- Digital Environment
Individual mobility will remain an important part of modern societies.

Mobility as a Service (MaaS) - frictionless/seamless options for paying, using, and choosing mobility.
What is COUP?

- COUP is an eScooter sharing-service. The eScooter can be rented at any time and anywhere for a personal ride within an urban area.
- COUP was founded July 2016 in Berlin - 100% subsidiary of Robert Bosch

https://joincoup.com/en
Urban Mobility Solutions
Intermodal commuting

- Cities gain control
- Mobility providers more frequented
- Commuters arrive sooner

Route planning, Live data, Intermodal, Booking, Concierge
Automation facilitates accident-free mobility

- At CES 2019, Bosch showcased a vision for mobility of the future with its concept vehicle, the Bosch IoT Shuttle.
- Strategic partnerships help: Daimler and Bosch to launch driverless ridesharing service in San Jose California in 2019
Thank you

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