



# Smart City

Preparing cities for a smart future



Cities are booming. By 2050 almost 70 percent of the world’s population will live in urban areas, the United Nations estimates. This growth has forced city planners to think about fundamental infrastructure requirements to ensure citizens have affordable and equitable access to reliable power, clean water, sanitation and sustainable transport systems.

## What is a Smart City

ABB’s smart city view has four fundamental pillars: smart utilities, smart buildings, smart transportation and infrastructure and smart industries, which are all inter-related. ABB’s products and solutions are at the heart of a city’s critical infrastructure, capable of monitoring, optimizing and controlling key urban-infrastructure systems in more efficient ways.



## Why customers use ABB Smart City solutions

- Open eco-system and collaboration model
- Digital platform and portfolio of digital solutions (approx. 210)
- Smart City Cockpit creating a common operating environment
- Domain expertise in city operations

## Transportation

- Full portfolio of EV-Charging for public, private transportation and e-trucks
- ABB Ability™ connected chargers enable fast global service and pro-active maintenance
- One partner for hardware, software, connectivity and services and years of experience in creating, installing and maintaining charging infrastructure of nationwide networks
- Flash & on-demand e-bus-charging systems

## Smart Industries

- 24/7 real-time valuable information
- Mission to Zero Energy management - reduced environmental impact and up to 5% energy costs savings
- Improved uptime – up to 99%
- Predictive maintenance reduce up to 20% in maintenance work
- Asset Management
- Quality control

## Smart Buildings

- Energy efficiency by up to 50%
- Energy bills reduced by up to 20%
- Facility management

## Sustainable Utilities

- 5-15% reduction of NOx emissions
- Energy & Water consumption optimization, waste & quality management balancing supply with demand. CO2 minimization, renewables integration

*“To achieve this, the ‘city’ concept needs rethinking. We are not just talking about smart buildings, we are looking at a holistic approach where digital technology, automation and efficient energy management will make an entire city smart.”*

- Guido Jouret, Chief Digital Officer, ABB

