# Livable, smart cities

**Intelligent infrastructure** optimizes a city's systems, contributing to greater success and a better quality of life.
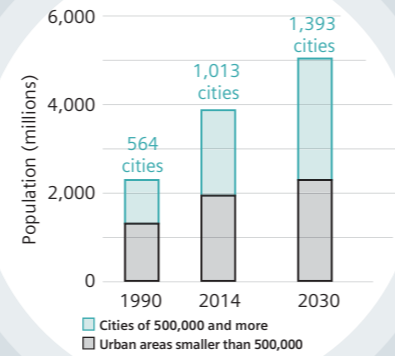
**40%**

**Energy consumption[1]:** Buildings are responsible for 40% of energy consumption in Germany.

**1,393**

**Urbanization[2]:** Our cities are growing. According to the United Nations, by 2030 there will be 1,393 cities worldwide with over 500,000 residents.

Population (millions)

6,000 / 4,000 / 2,000 / 0

564 cities (1990) — 1,013 cities (2014) — 1,393 cities (2030)

☐ Cities of 500,000 and more
☐ Urban areas smaller than 500,000

**25 million**

**Electric buses[3]:** In 10 years, 25 million electric buses will have been sold worldwide. China alone will need 10 million by then.

**1.4 billion**

**Flood protection:** Approximately 45% of Ho Chi Minh City, Vietnam, is at risk of flooding – in particular its transportation system. Over the next 30 years, Intelligent Transport Systems can reduce vulnerability and generate economic gains of $1.4 billion.

**$1 billion**

**Infrastructure protection:** New York City could possibly lose up to $1 billion – per day – due to inadequate security for its critical energy infrastructure and a resulting power supply breakdown!

Population (millions)

6,000 / 4,000 / 2,000 / 0

1950 / 1970 / 1990 / 2010 / 2030 / 2050

— Urban
— Rural

**Urbanization[2]:** The majority of the world's population lives in urban regions – by 2050 it will be more than

**6 billion**

**39 hours**

**Time lost stuck in traffic[4]:** On average, drivers in Germany spend 39 hours a year stuck in traffic. For commuters in the United States it is 42 hours.