

Digitalize Indonesia Creating Smart Indonesia

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www.siemens.com



10 billion
people by 2050

Cities are shaped by urbanization and sustainability

An isometric illustration of a sustainable city. The scene is dominated by numerous white, multi-story buildings of varying heights, densely packed in some areas and more spread out in others. The buildings have dark, flat roofs, some of which appear to have solar panels. Interspersed among the buildings are green spaces with small, stylized green trees. In the upper left, there is a large, white, cylindrical cooling tower or silo next to a smaller rectangular building. Several white wind turbines are scattered throughout the city, some on small green patches and others on taller structures. The entire scene is set against a solid blue background, with the ground represented by a grid of light blue and white squares, suggesting streets and building footprints. The perspective is from a high angle, looking down at the city.

70%

of global
population
will live in
cities by 2050

36%

of energy
consumed by
buildings

Decarbonization and decentralization

An isometric illustration of a sustainable city. In the background, there's a large industrial building with a cooling tower and several wind turbines. In the middle ground, there are various types of buildings, including a data center with a server rack icon, a district heating plant with a circular tank icon, and a campus with a small wind turbine. The foreground is filled with numerous residential or commercial buildings, many of which have solar panels on their roofs. There are also green spaces with trees and small cars parked on the streets.

2x

electricity
consumption
by 2050

>50%

renewable
annual energy
by 2035

The future of cities depends on smart infrastructure



Smart Energy

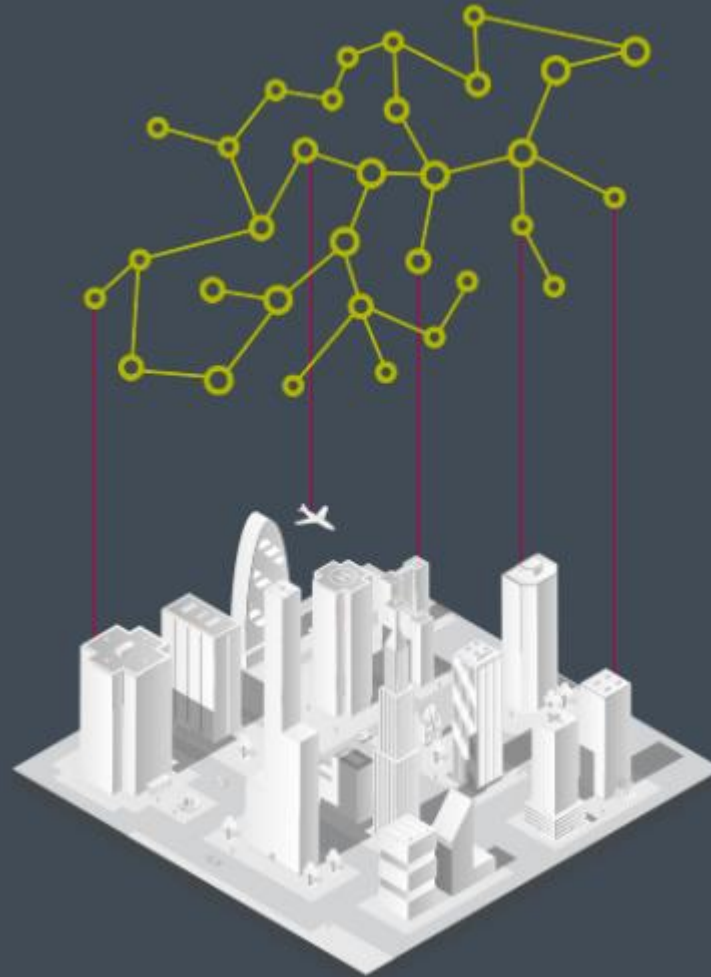
- Distributed Energy System
- Smart grid
- Smart storage

Smart Buildings

- User centric
- Energy optimization and management
- Asset management Predictive maintenance
- Space optimization

Smart Mobility

- eMobility
- Autonomous driving
- Smart travel services



Smart cities will be recognised by the level of integration through the use of digital technologies.

Greater connectivity between different sectors such as infrastructure, healthcare, energy, mobility and governance will lead to higher productivity and efficiency of the city.

Improved
quality of
life

Sustainable
environ-
ment

Competitive
economy

Enabling digitalization drive the cities of the future

- Comfortable and safe
- Space and Energy efficiency
- Energy intelligent and resilient

eMobility
Infrastructure

Smart Energy – Distributed
Energy System

Smart Energy -
Smart Storage

Smart
Buildings

Power

Heating

Cooling

Data

Creating Smart Indonesia