



# **SMART CITIES**

# CHARACTERISTICS OF A “SMART CITY'S”

- Use of information and communication technologies (ICT).
- Building automation and control.
- Efficient urban planning.
- Urban mobility and sustainable public transport.
- Smart management of solid waste.
- Improved environmental sustainability.



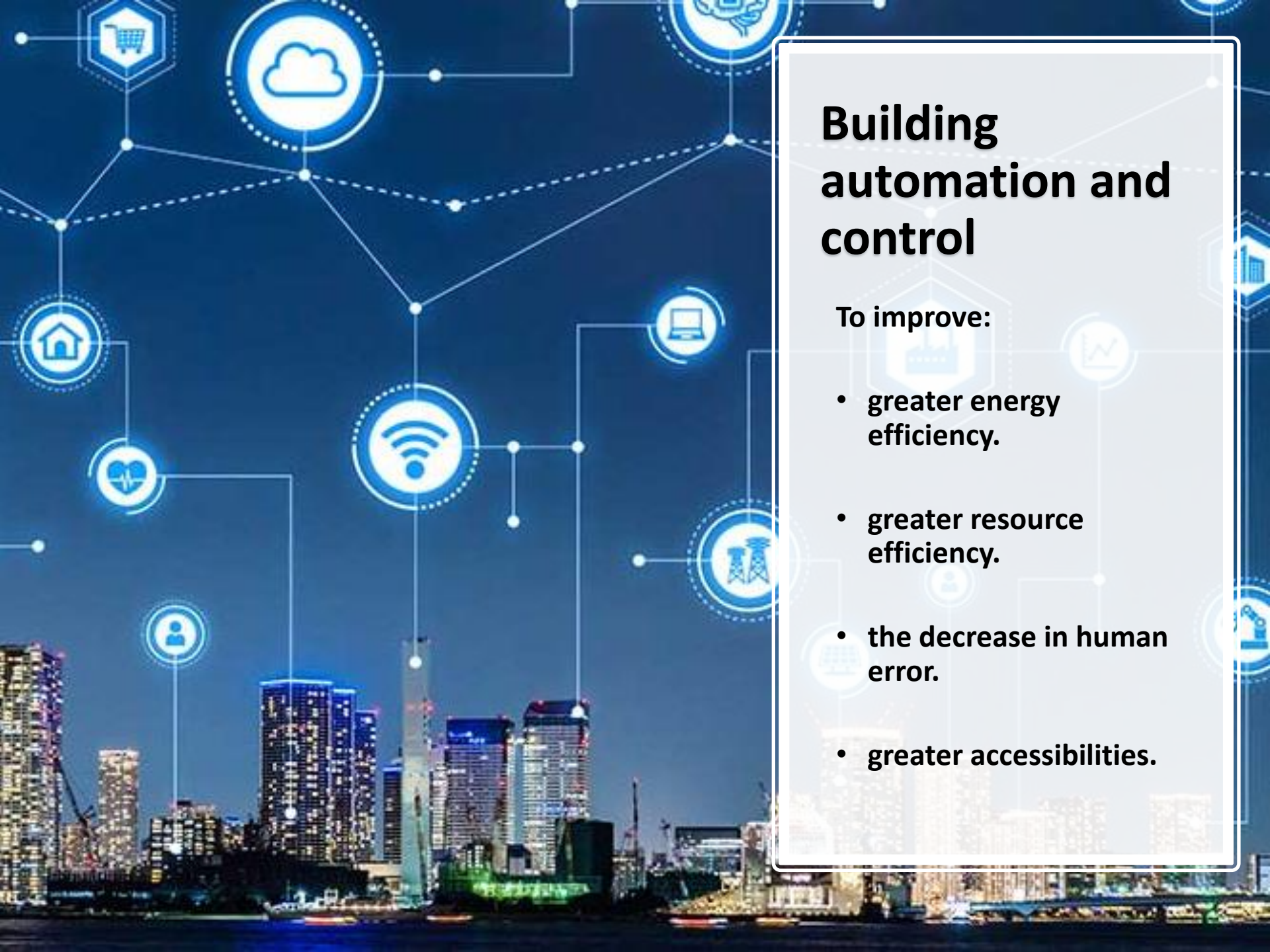


## **Use of information and communication technologies (ICT)**

**A smart city uses information and communication technology (ICT) :**

- **to improve operational efficiency.**
- **share information with the public .**
- **and provide a better quality of government service and citizen welfare.**





# **Building automation and control**

**To improve:**

- **greater energy efficiency.**
- **greater resource efficiency.**
- **the decrease in human error.**
- **greater accessibilities.**

# Efficient urban planning

**It is important to improve:**

- **The environment and climate.**
- **Quality of life of the residents.**
- **Areas in need of regeneration.**
- **Optimize resources available.**
- **The Future.**







## URBAN MOBILITY AND SUSTAINABLE PUBLIC TRANSPORT

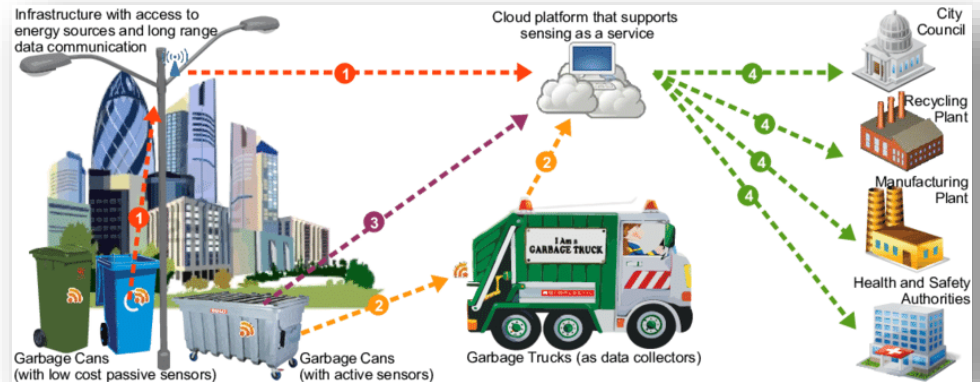
- **Sustainable transportation provides:**
- **Public transport accessible to all**
- **Bike lanes**
- **Corridors to walk**
- **Efficient traffic management**



# SMART MANAGEMENT OF SOLID WASTE

**Smart waste management is about using technology and data to create:**

- **a more efficient waste industry**
- **optimize resource allocation.**
- **reduce running costs.**
- **increase the sustainability of waste services.**





# IMPROVED ENVIRONMENTAL SUSTAINABILITY

- **Investing in renewable energy**
- **Commit to sustainable agriculture**
- **Create green spaces where biodiversity is present**
- **Create green buildings**

<https://youtu.be/TiIFzV4d2NE>

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