

CYBERSECURITY IN THE SMART CITY

What is a Smart City?

A smart city is an urban area that uses digital technologies

to enhance city operations and services. Smart cities use digital tools, including the Internet of Things (IoT), Artificial Intelligence (AI), and information to improve services like transportation and energy distribution



Smart cities aim at solving some of the current challenges

of urban life and sustainability. They can offer benefits such as improved traffic flow or more efficient energy use, but they also raise concerns about cybersecurity

Interconnected vulnerabilities

Due to its interconnected nature and reliance on digital systems smart cities infrastructure can be target of cyber attacks, such as



Denial of Service attacks
Ransomware
SQL Injection Attacks
Autonomous system manipulation

IoT device Hijacking
AI-Powered Attacks
Data Breaches
Quantum computing threats

What's being done?



Smarter threat detection
Using artificial intelligence to spot potential attacks faster



"Trust no-one" approach

Treating every user and device as potentially risky to limit damage from attacks.



Secure remote access
Making it safer for workers to manage systems from afar



Blockchain for data integrity

Blockchain technology is now being adapted for cybersecurity in smart cities.



Sharing information
Helping different organisations share knowledge and cyber threats intelligence

What can you do?

01

STAY INFORMED

Learn about basic cybersecurity practices and stay updated on current threats

02

BE CAUTIOUS WITH PUBLIC WI-FI

Avoid accessing sensitive information when using public networks in smart city spaces

03

USE OFFICIAL APPS AND WEBSITES

When accessing smart city services, ensure you're using official, verified, updated applications and websites

04

PARTICIPATE AND SHARE

Get involved in local cybersecurity awareness programs or workshops if available and share your knowledge about cybersecurity with friends and family



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