

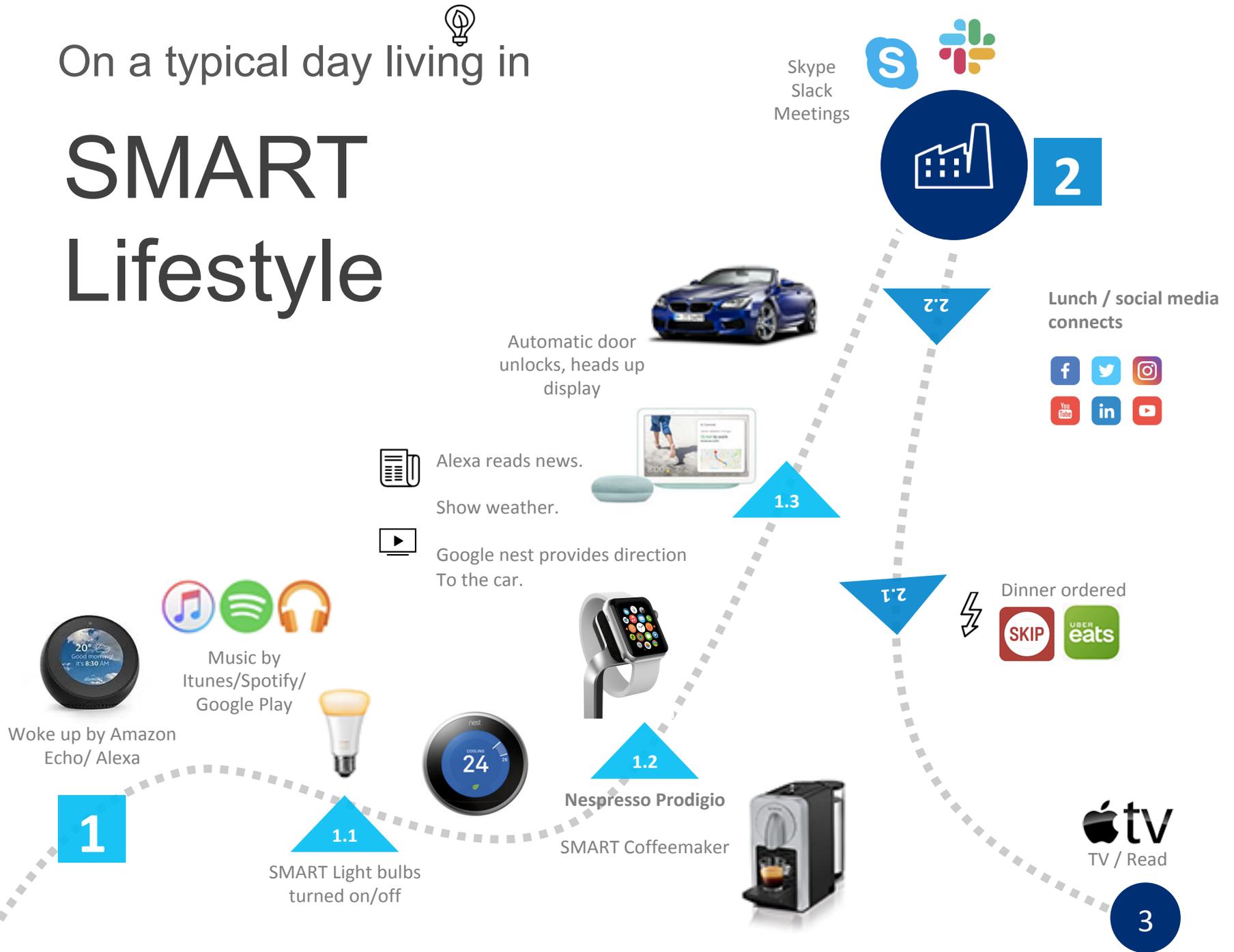
Strategic Realignment within Smart Ecosystems



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On a typical day living in 

SMART Lifestyle

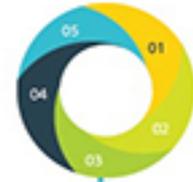


Intelligent Technologies

Intelligent and Connected Technologies

SC SMART Living

- Tackle the problems associated with the growth of the world's population and increasing urbanization.
- Increase the quality of urban life.
- Boost productivity of public services and reduce waste.
- Reduce carbon emission.
- “If policy makers and businesses get it right, linking the physical and digital worlds could generate up to \$11.1 trillion a year in economic value by 2025.” (Ménard, 2017)



Internet of Things

Artificial Intelligence

Blockchain Technology

Data Analytics

Sensor Fusions

4POP FRAMEWORK

STRATEG

Businesses in Smart Cities have to lean towards greater differentiation

OPERATIONS

In Smart Cities there will be vast amounts of real time data, so operations timeframe will be measured in months at most.

CULTURE

Having a corporate culture that encourages continuous learning and fosters innovation is clearly a prerequisite.

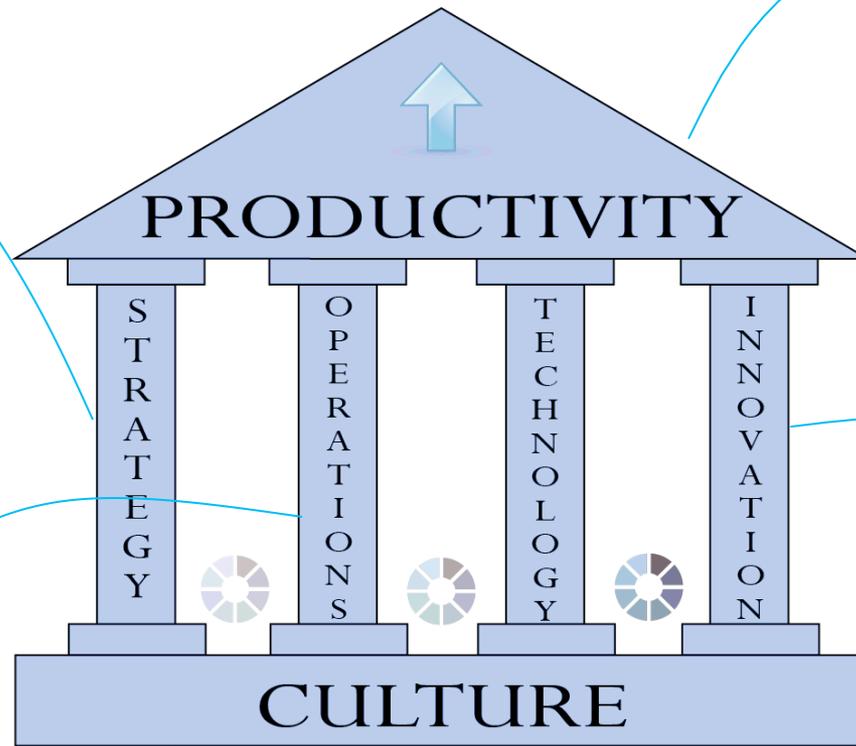
TECHNOLOGY

Technology sharing even now is becoming the norm, with cloud services and integration suites all online.

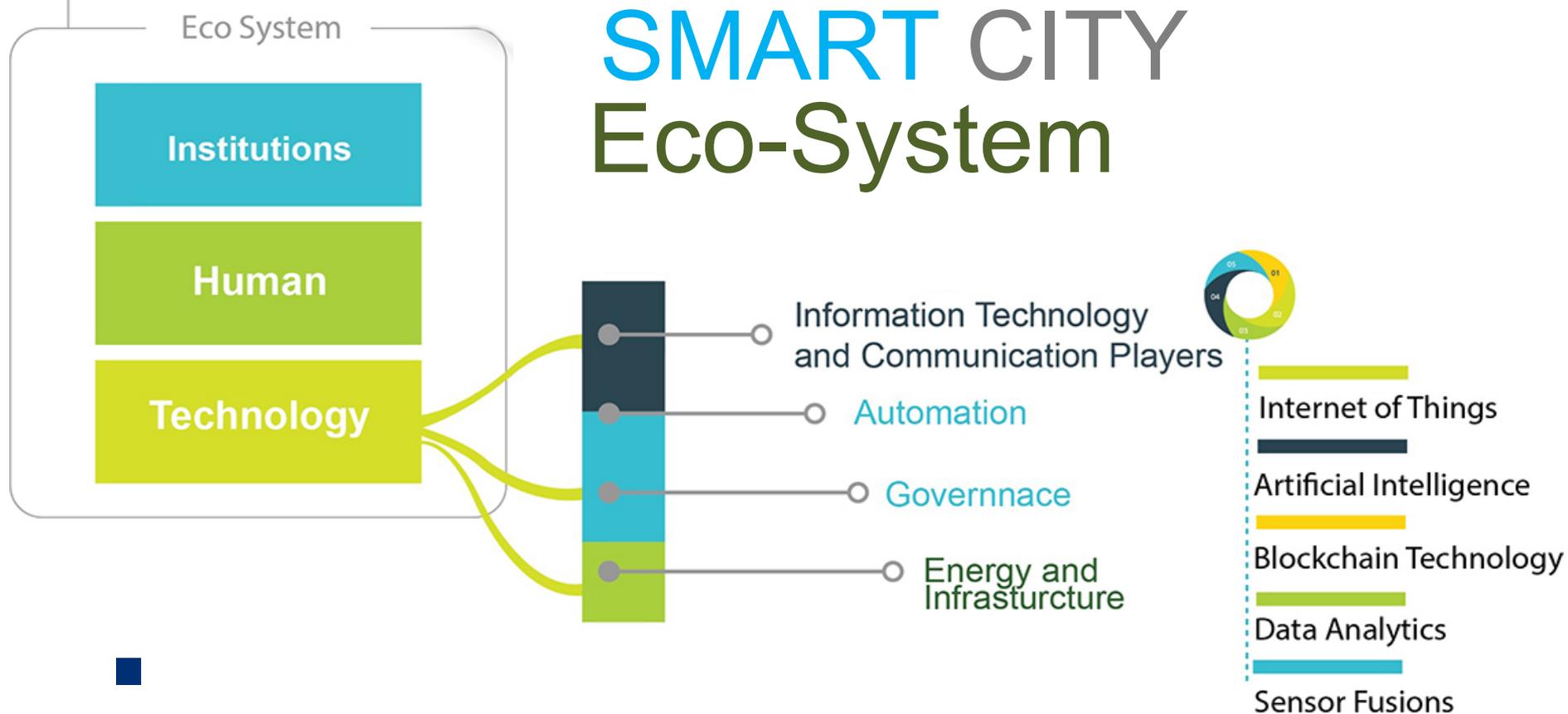
INNOVATION

With differentiation becoming even more important, innovation will likely company's largest driver of value.

FOUR PILLARS OF PRODUCTIVITY



SMART CITY Eco-System



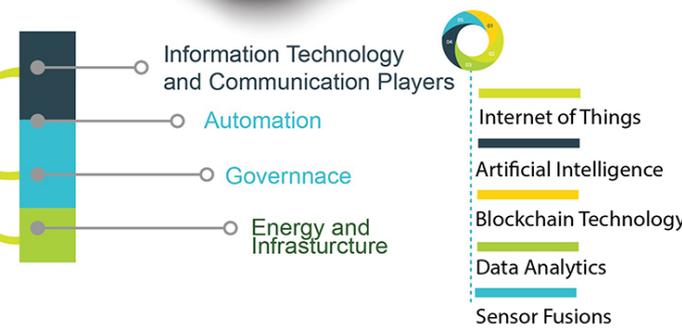
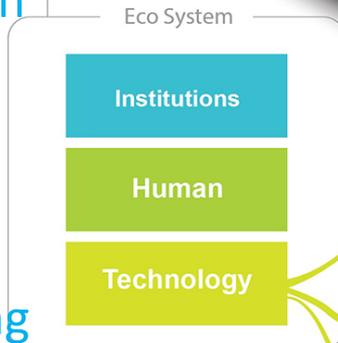
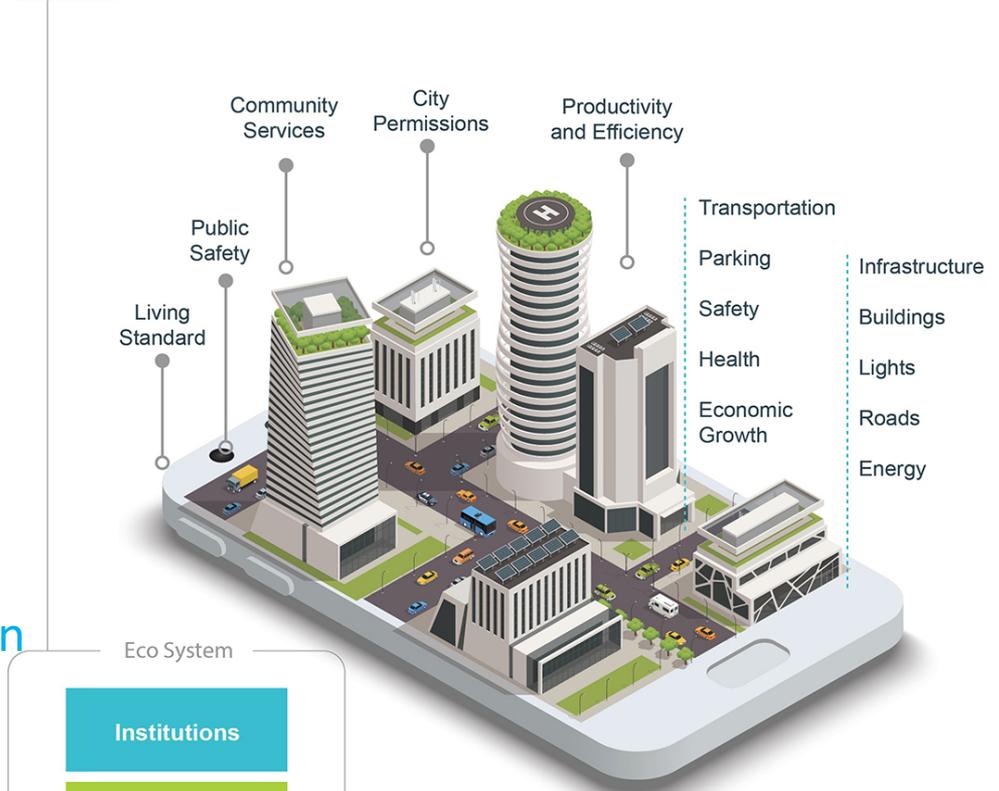
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- Rapid development of digital technologies needs to be leveraged to create, capture, and deliver values for the entire ecosystem.
- The **technology**, **human**, and institutional facets of smart ecosystems need to be aligned to improve quality of life, solve critical problems, and offer value to everyone (not just the rich, certain industries, or groups of companies).



SMART CITY Eco-System

- Automation will be vital to the operations of a smart city.
- An important motivation for creating a smart city is to minimize the time people spend doing things which they do not enjoy.
- i.e. A smart city with cameras can delegate this monitoring responsibility to artificial intelligence, which is extremely reliable at simple tasks such as monitoring if any activity is taking place in a room or area it should not be.

Smart City Ecosystem



Smart City Technological Ecosystem



AUTOMATION

Building Automation
Energy Management
Digital Connectivity
Sensor Fusion
Blockchain
Cyber Security
Robotics

ICT PLAYERS

IP Networks
Software
Hardware
Tech Adoption and Integration
Broadband
Internet Speed
Cybersecurity

GOVERNANCE

E-government
SMART Data
Population Engagement
Privacy
Security

ENERGY AND INFRASTRUCTURE

Power electronics
Renewable Energy
Smart grid
Power system automation

SMART City Digital



Internet of Things

Artificial Intelligence

Blockchain Technology

Data Analytics

Sensor Fusions

Smart Government

Smart Health

Smart Data

Smart Buildings

Smart Transportation

Smart Living

Smart Energy

Smart Manufacturing

Pattern recognition

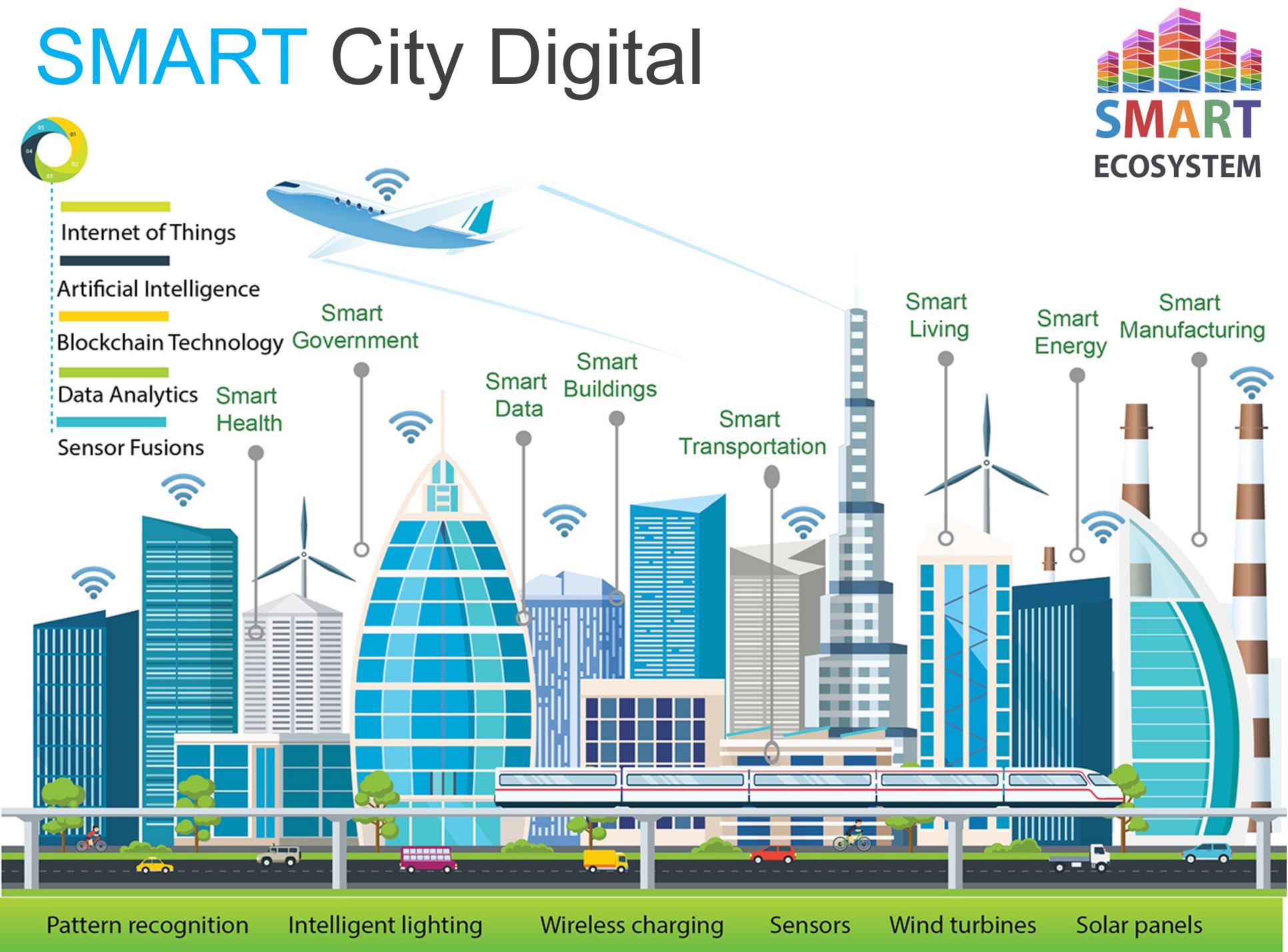
Intelligent lighting

Wireless charging

Sensors

Wind turbines

Solar panels



CONCLUSION



- ICT infrastructure and smart technologies of cities need to speak the same language.
- Municipalities around the country need to collaborate and work with businesses and technology service providers to share their information in a standardized fashion.
- A city with interconnected intelligent technologies will also face interconnected risks ... a holistic approach to risk management will have to be adopted; all smart city players will have to collaborate to mitigate risk. ... A generous annual budget for cybersecurity should be allocated.
- Advanced data analytics can be embraced to improve the decision-making process for infrastructure maintenance, resource allocation, capital planning and so on.
- Cities need to adopt systematic procurement and financing practices to support long term strategic priorities.
- A smart city is not merely about adopting new technologies just to increase productivity or gross domestic product; new intelligent technologies need to be leveraged to create, capture, and deliver values to benefit the society at large.



iKajj - From IDLE to PRODUCTIVE!

“ Smart city players such as entrepreneurs, government, industry, and academia need to collaborate to foster social innovation to address issues related to urban expansion, inequality, diversity and inclusiveness, poverty, health, infrastructure, public services, and social instability. Put in its most simple terms, a smart city’s purpose is to improve all constituents’ quality of life. ”

THANKS FOR WATCHING



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