

Sustainable SMART Cities of Future

SAARC Energy Center

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SMART City

- S** Specific
- M** Measurable
- A** Achievable
- R** Realistic
- T** Time related

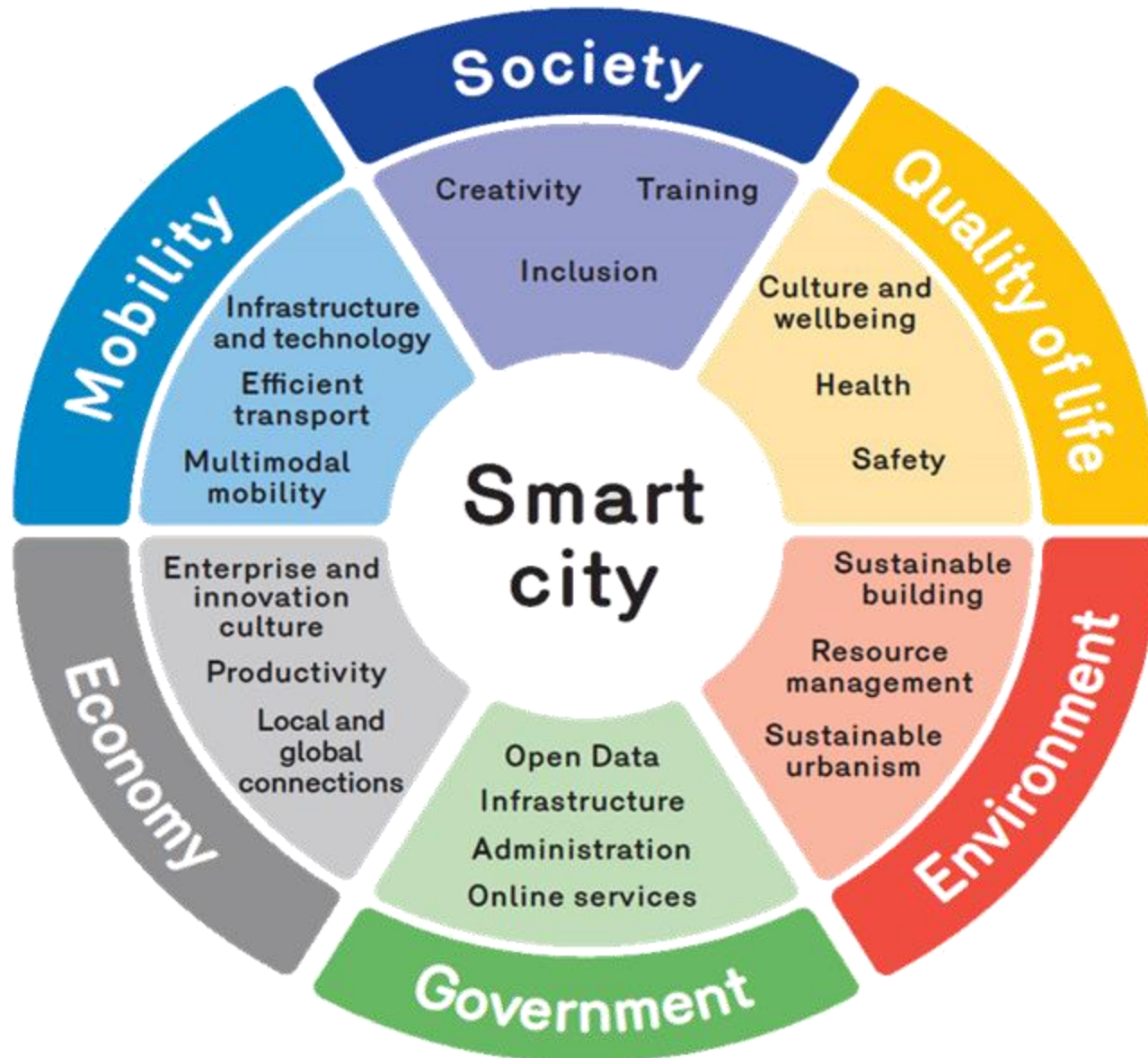
SMART – EFFICIENT TO HIGHEST LEVEL

SMART Sustainable City

11 SUSTAINABLE CITIES
AND COMMUNITIES



WHAT IS SMART CITY



SMART CITY

SMART City is a SMART Municipality

Efficient delivery of public utilities:

- **Water**
- **Electricity**
- **Solid waste**
- **Sanitation & Sewerage**

Mechanism for supply-demand matching:

- **Surface transport services**
- **Congestion free roads**
- **Minimal waiting time**

Elements of SMART City

- **Very High Speed Reliable Internet connectivity**
- **5G – Wireless Next Generation**
- **Continuous Electricity**
- **Future is SMART**
- **Future is Electric**
- **Sensor Technology**





SMART Power Management for SMART City

SMART Demand Management

Prevents Overload

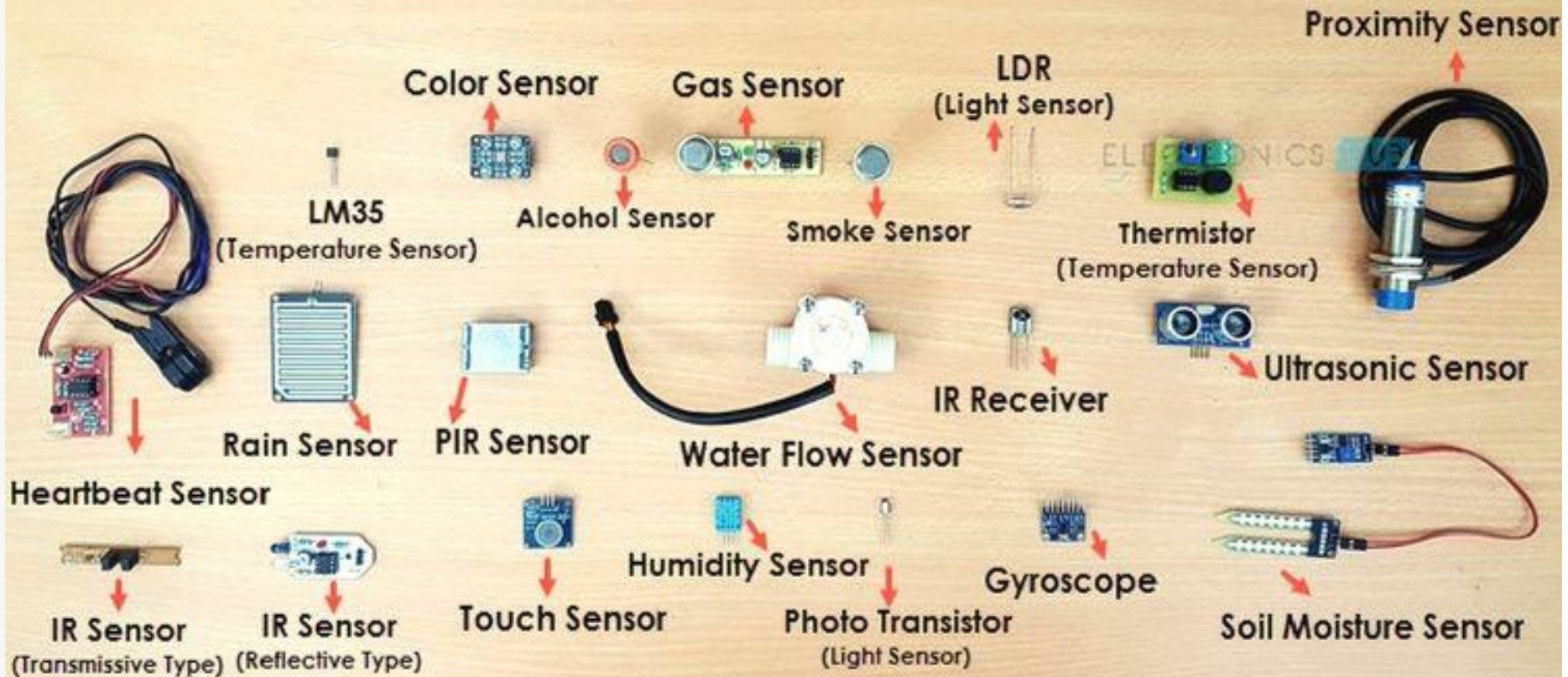
Maintains System Serviceability

Optimize Infrastructure Investment

Helps Save Electricity & benefits environment

SMART Electricity System

DIFFERENT TYPES OF SENSORS



➤ **SENSORS POWER SMART CITIES-HACKER'S DREAM**

➤ **CYBER SECURITY**

➤ **PRIVACY CONCERN**

SMART Shopping Malls

- **China – SMART Shopping Mall**
- **No Payment hassle – Card Identification**
- **No Theft worry by Store**
- **Further SMART Store will identify Customer & Payment through Retina Scanner**





44 40 58



No salesperson!



IoT for SMART City Structure



Sustainable SMART Cities

Sustainable & Reliable Infrastructure

SMART City should be financially viable & sustainable

Develop SMART city agenda around the environmental resilience of the region.

Citizen & Government machinery positive Participation

Country's Economy & Education



Factors for Sustainable Development in SMART Cities

Ecologically ethical utilization of natural resources

Use of resources and abatement of pollution within carrying capacity of nature

Biodiversity & Cohabitation of Local Residents & Floating Populace to be enhanced

Three “R” Reduce, Reuse & Recycle to minimize wastes and energy consumption



Our Team



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**THANK
YOU**