

ARENA 5: Tecnologia & Sustentabilidade

FIAP

FIEE Smart
Future

Sustentabilidade Energética & Cidades Inteligentes

Jayme Faria - 23 Julho 2019

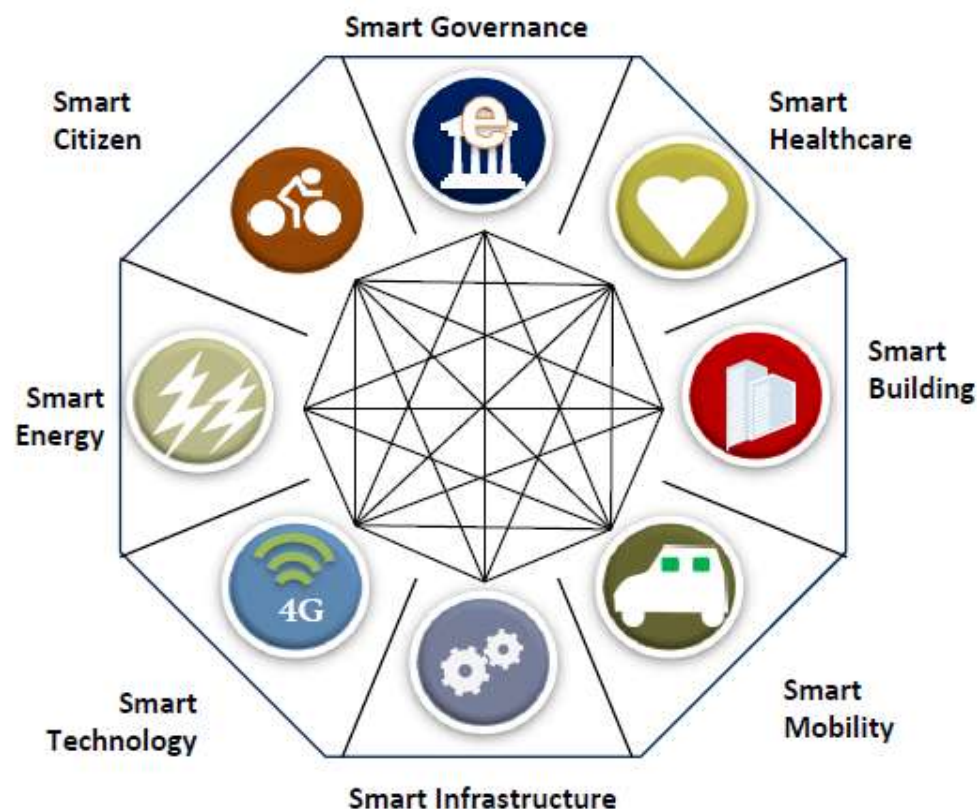


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Smart cities are cities built on **“Smart” and “Intelligent” solutions and technology** that will lead to adoption of at least 5 out of the 8 following smart parameters. Smart energy, Smart building, Smart mobility, Smart healthcare, Smart infrastructure, Smart technology, Smart governance and Smart citizens


Smart City Concepts



Smart City Transformation


Energy:

Digital Management of Energy

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- Smart Grids/ Meters
 - Intelligent Energy Storage


Buildings:

Automated Intelligent Buildings

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- Renewable Energy Integration
 - Building integrated Photovoltaic

Mobility:

Intelligent Mobility

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- Advanced Traffic Management System (ATMS)
 - Parking Management


Technology:

Seamless Connectivity

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- 4G & 5G connectivity
 - Free Wi-Fi


Infrastructure:

Digital Management of Infrastructure

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- Sensor networks
 - Digital Water and Waste Management


Governance:

Government-on-the-Go

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- e-Government
 - e-Education


Healthcare:

Intelligent Healthcare Technology

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- Use of e-health and m-health systems
 - Intelligent and connected medical devices

Citizen:

Civic Digital Natives

- 
- Use of Green Mobility Options
 - Smart Lifestyle Choices

Example:



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US\$1.5 Trillion (2020)



Smart Parkings



Smart Waste Mgmt.



**Connected Bus Stop
(Wifi; NFC)**



**Smart Sensors
(Light; Air Quality)**

Veículos Eléctricos (1/2)



Veículos Elétricos (2/2)



Alavancas do mercado micromobilidade:



Alta densidade populacional



Forte penetração de telefonia móvel



População não bancarizada



Transporte público e infraestrutura sub-desenvolvidos



Ecosistema, cultura e clima amigáveis para bicicletas e scooters

+30% Energy Demand (2020)

Smart Home
Solution



Secured
Smart Grid



Energy Sharing
Infrastructure



Predictive Analytics
for Optimized
Power Generation

