



SPECTACULAR VIEWS OF THE CITY

A COMPARISON OF SMART CITY MODELS

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Presentation Outline

- INCOSE Smart Cities Initiative – progress toward current goals
- Models used in Systems Engineering and Project Management
- Current Smart City models
- TUSS model applied to Smart Cities
- Deloitte Smart City model
- Comparison of the TUSS and Deloitte Smart City model viewpoints



INCOSE SMART CITIES INITIATIVE

progress toward current goals

INCOSE Smart Cities Initiative

progress toward current goals

- Definition, Metrics, and Reference Model
- Stakeholder Management Plan
- Case Study of applied model (Ulaanbaatar)
- Viewpoint integration with other Smart Cities models



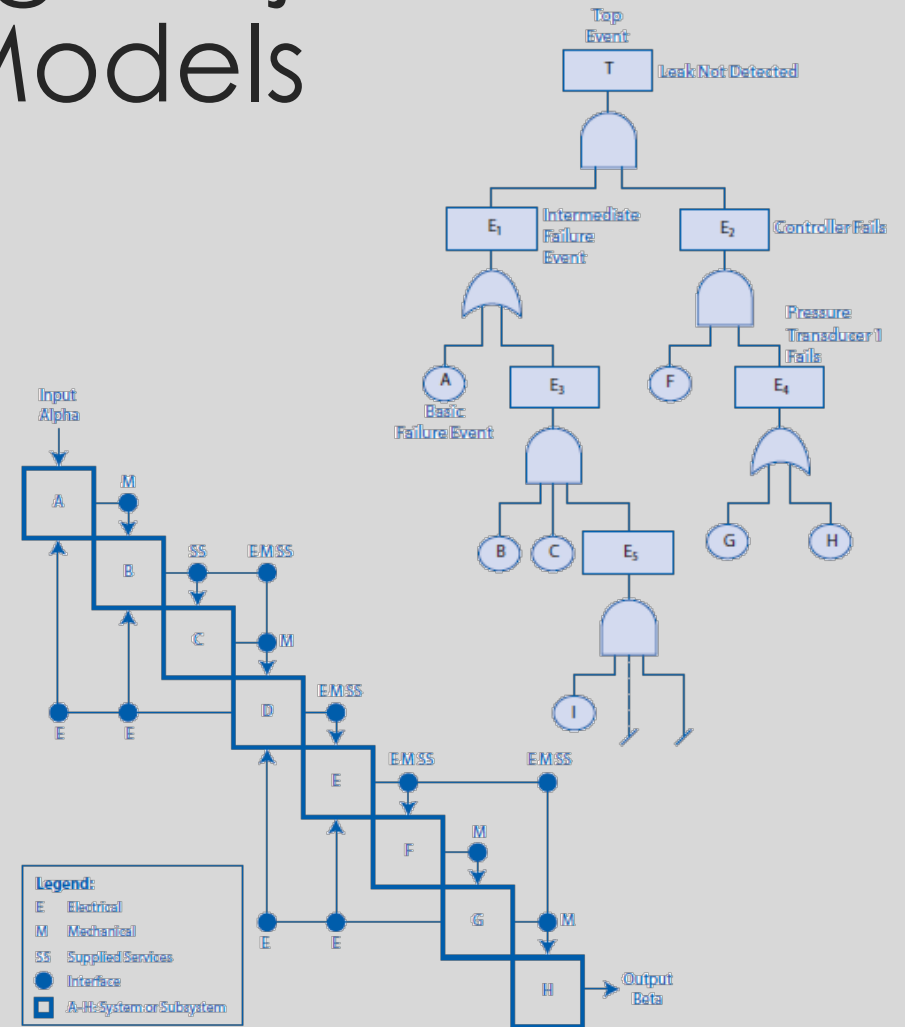


MODELS USED IN SYSTEMS ENGINEERING AND PROJECT MANAGEMENT

Model: A representation.

Systems Engineering/Project Management Models

- Prototypes
- Vector and matrix methods
- Control and Process Diagrams
- PDCA Diagram
- Flow Chart, Sequence Diagrams
- Bubble Chart
- Gantt Chart/Critical path
- PERT Chart
- Work breakdown structure
- Fault Tree analysis
- Object Oriented Programming Language Structures
- Neural network






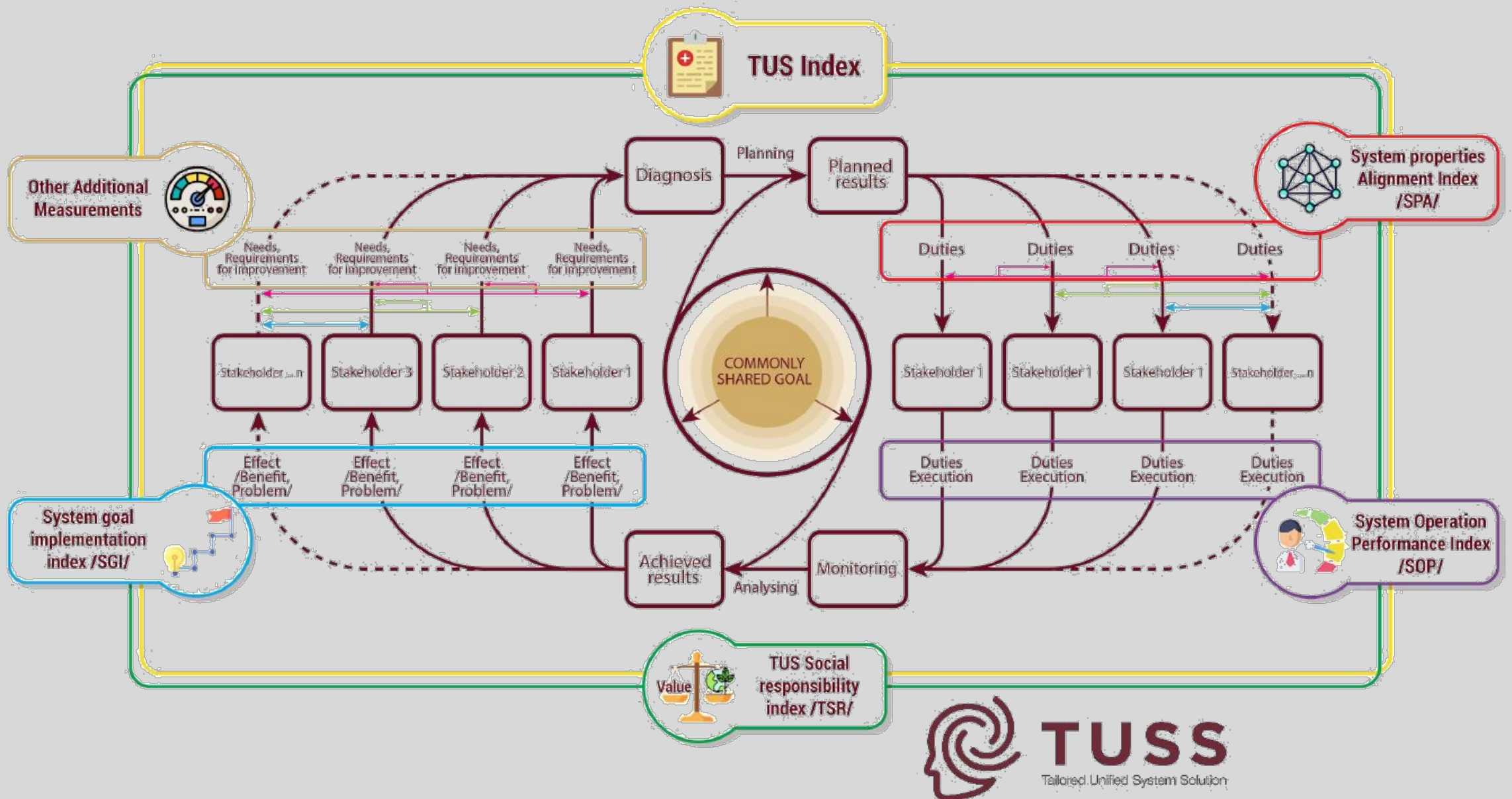
CURRENT SMART CITY MODELS

Current Smart City Models

- IBM Research – Watson
 - Smarter City Services, Smarter Cloud
- Tailored Unified System Solutions (TUSS)
 - Smart City Reference Model
- Deloitte Consulting
 - Smart City Capability Framework and Maturity Model
- International Electrotechnical Commission (IEC)
 - Smart Cities Reference Architecture (SCRA)
- Smart Cities Council
 - Smart Cities Readiness Guide
- US Army Engineer Research and Development Center (ERDC)
 - Virtual Testbed for Installation Mission Effectiveness (VTIME)
- U.S. Department of Homeland Security (DHS) Science and Technology Directorate / Open Geospatial Consortium (OGC) Innovation Program
 - Smart City Interoperability Reference Architecture (SCIRA)



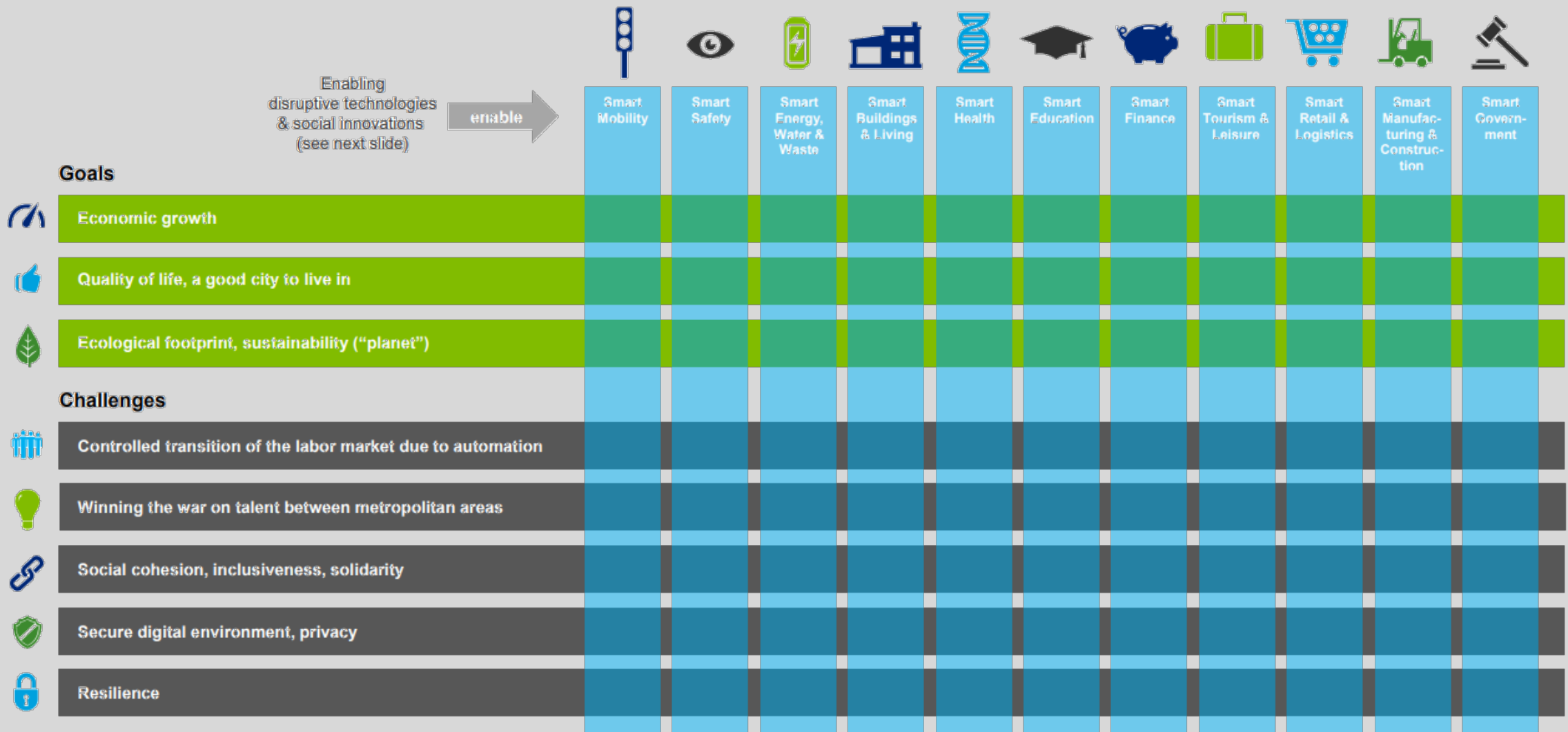
TUSS MODEL APPLIED TO SMART CITIES





DELOITTE SMART CITY MODEL

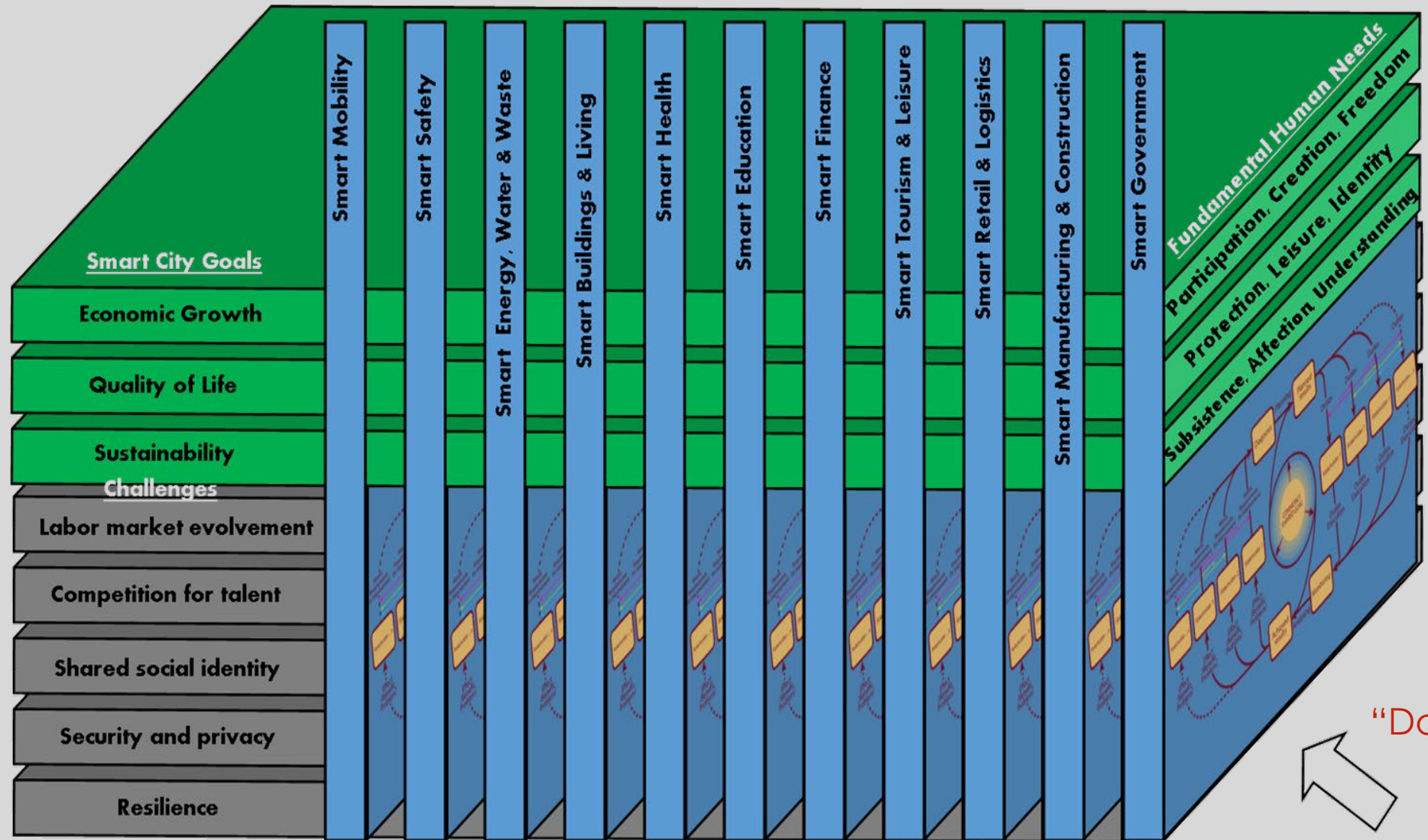
Smart cities emerge as the result of many smart solutions across all sectors of society





TUSS AND DELOITTE SMART CITY MODEL COMPARISON

Spectacular views of the city.



Deloitte Viewpoint

Smart cities emerge as the result of many Smart Solutions across all sectors of society.

"Be Prepared"

TUSSE Viewpoint

A Smart city is a city that has the ability to identify its problems and its root causes promptly and remove the root causes

"Do Your Best"



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