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Brave New World - The Rise of Cities Globally: Urbanization Meets Technological Innovation and Digitization

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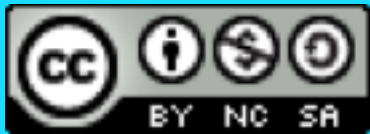
BRAVE NEW WORLD

THE RISE OF CITIES GLOBALLY: URBANIZATION MEETS TECHNOLOGICAL INNOVATION AND DIGITIZATION

BY RHONDA BINDA, ESQ.

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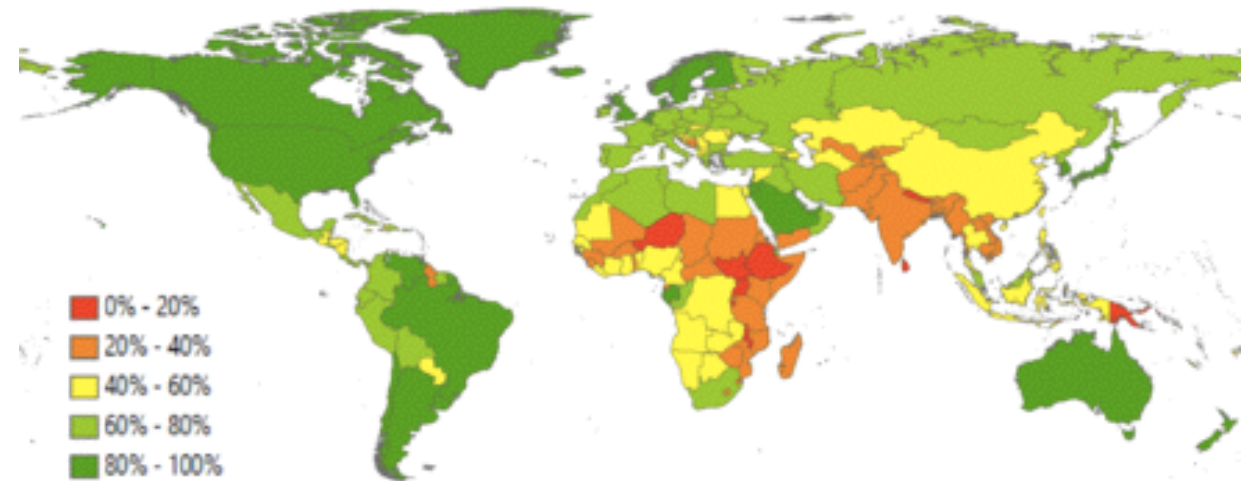
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CITIES ON THE RISE



GLOBAL CITY
TEAMS CHALLENGE

- Urbanization trends globally persist as more people seek work and educational opportunities in city centers
- The United Nation predicts that by 2050 about 64% of the developing world and 86% of the developed world will be urbanized



Global urbanization map showing the % of urbanization per country in 2015

GLOBAL TRENDS



- Cities have become models for governments across the world on how to address global challenges
- 100s of local/global organizations now exist
- Cities are adopting technology to improve lives and making a disproportionate impact worldwide



World Bank Headquarters, Washington, D.C.

MAYORS AND GOVERNORS GET A SEAT AT THE INTERNATIONAL TABLE



In Jan. 2010, US Mayors upon returning from the COP climate change meetings in Europe, demanded that the US Department of State afford them the opportunity to join US diplomats in negotiations in future climate meetings.

Secretary Clinton created the Special Representative's Office for Global Intergovernmental Affairs, thus including for the first time local officials in international multilateral negotiations.



MAYORS AND GOVERNORS GET A SEAT AT THE INTERNATIONAL TABLE

In 2017, Hidalgo and Horacio Rodríguez Larreta, Mayor of Buenos Aires, spearheaded the Urban 20 (U20), a platform for major cities in G20 countries to bring their “urban perspective” to the G20 member states in tackling common problems, showcasing their innovative approaches leveraging emerging technologies at the local level to tackle global issues.

MAYORS AND GOVERNORS GET A SEAT AT THE INTERNATIONAL TABLE



In April 2018, mayors from 20 cities signed the U20's first Joint Declaration; six months later, representatives from more than 30 cities convened for the U20's inaugural summit in Buenos Aires.

MAYORS AND GOVERNORS GET A SEAT AT THE INTERNATIONAL TABLE

Over recent years, cities –and especially “smart cities” are leapfrogging progress on several international metrics by leveraging technology to modernize their services and infrastructure– and have emerged as leaders on key issues of international concern.



MAYORS AND GOVERNORS GET A SEAT AT THE INTERNATIONAL TABLE

This summer, Los Angeles, CA Mayor Eric Garcetti had a private audience with the Pope Francis at the Vatican, where the two discussed climate change, poverty, youth, and immigration.



TECHNOLOGY MEETS URBANIZATION



There are over 200 local-global organizations impacting international relations and policy, largely because of the pace at which cities are using and embracing technology and innovation.

SMART CITIES OF THE FUTURE





THREE PILLARS FOR A SMART AND CONNECTED CITY OR COMMUNITY

100% CONNECTED

100% MOBILE

100% RESILIENT

US EXAMPLE: JAMAICA, QUEENS, NYC

3T Strategy

- Technology
- Tourism
- Transportation



US EXAMPLE: JAMAICA, QUEENS, NYC

Technology: Universal Broadband and Digital Literacy Movement



Tourism: Jameco Exchange Art Gallery inclusive of Digital Art

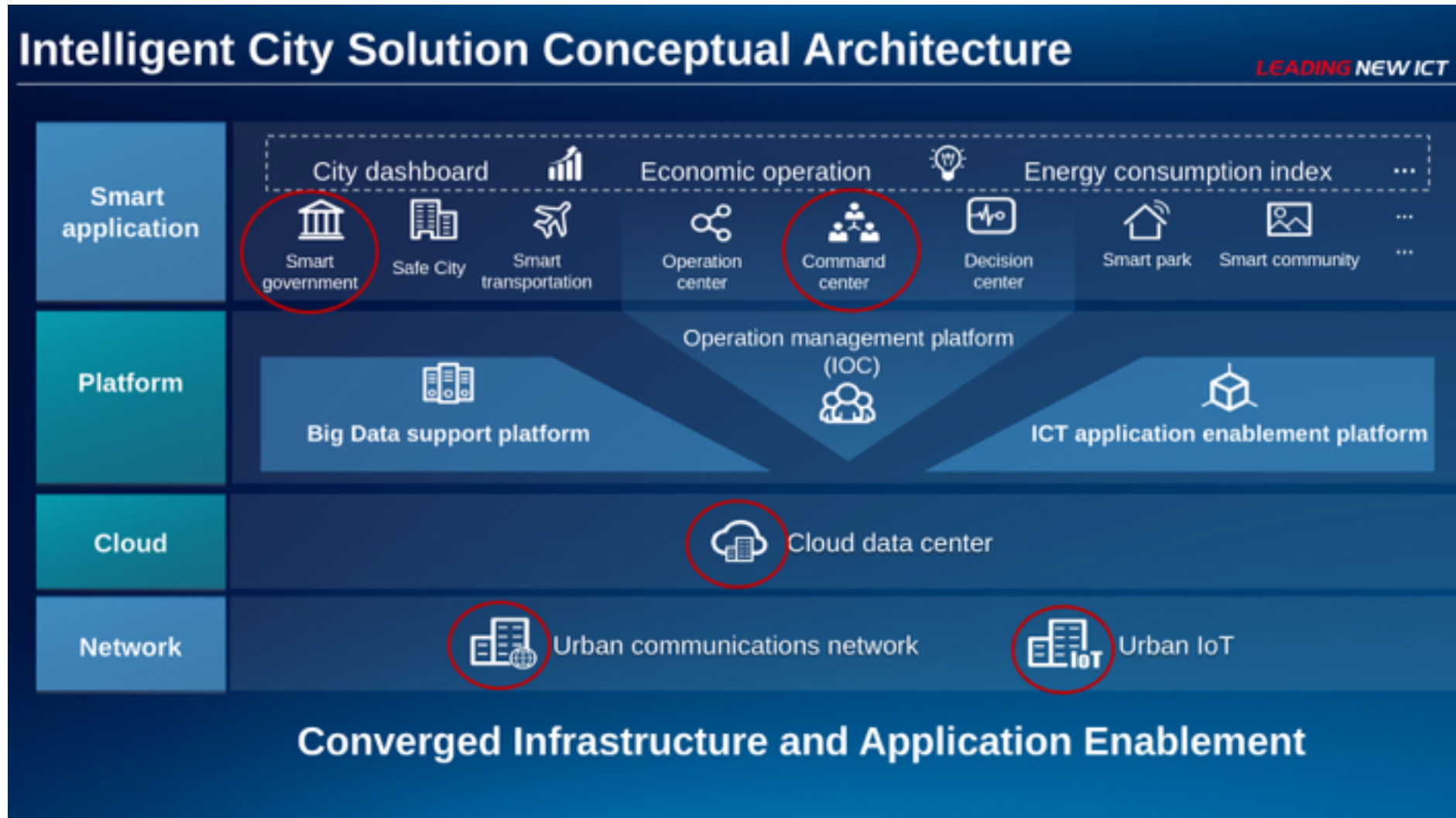


ASIAN EX: SHENZHEN, CHINA

- Safety, central nerve
- Transportation
- Tourism adding green spaces throughout



ASIAN EXAMPLE: SHENZHEN, CHINA



EUROPE: E-ESTONIA SMART COUNTRY

- 99% Gov Services on-line
- 98% Electronic identity cards
- 46.7% i-Voting
- In 2017 became legal to test self-driving vehicles on all roads



SMART VILLAGES AND TOWNS

- 3.4 billion rural people in the world that do not have access to global markets
- Enabling entrepreneurship, job training and onboarding to open innovation platforms
- Low cost and low energy
- www.smartvillagemovement.org/



“The internet is becoming the town hall of the global village of tomorrow” Bill Gates, Business Magnate & Philanthropist

FROM CITIES TO SMART REGIONS

- Smart Regions 2018 Infrastructure Challenge
- Economies of Scale
- Wider impact
- Leveraging resources
- Leveraging collective data



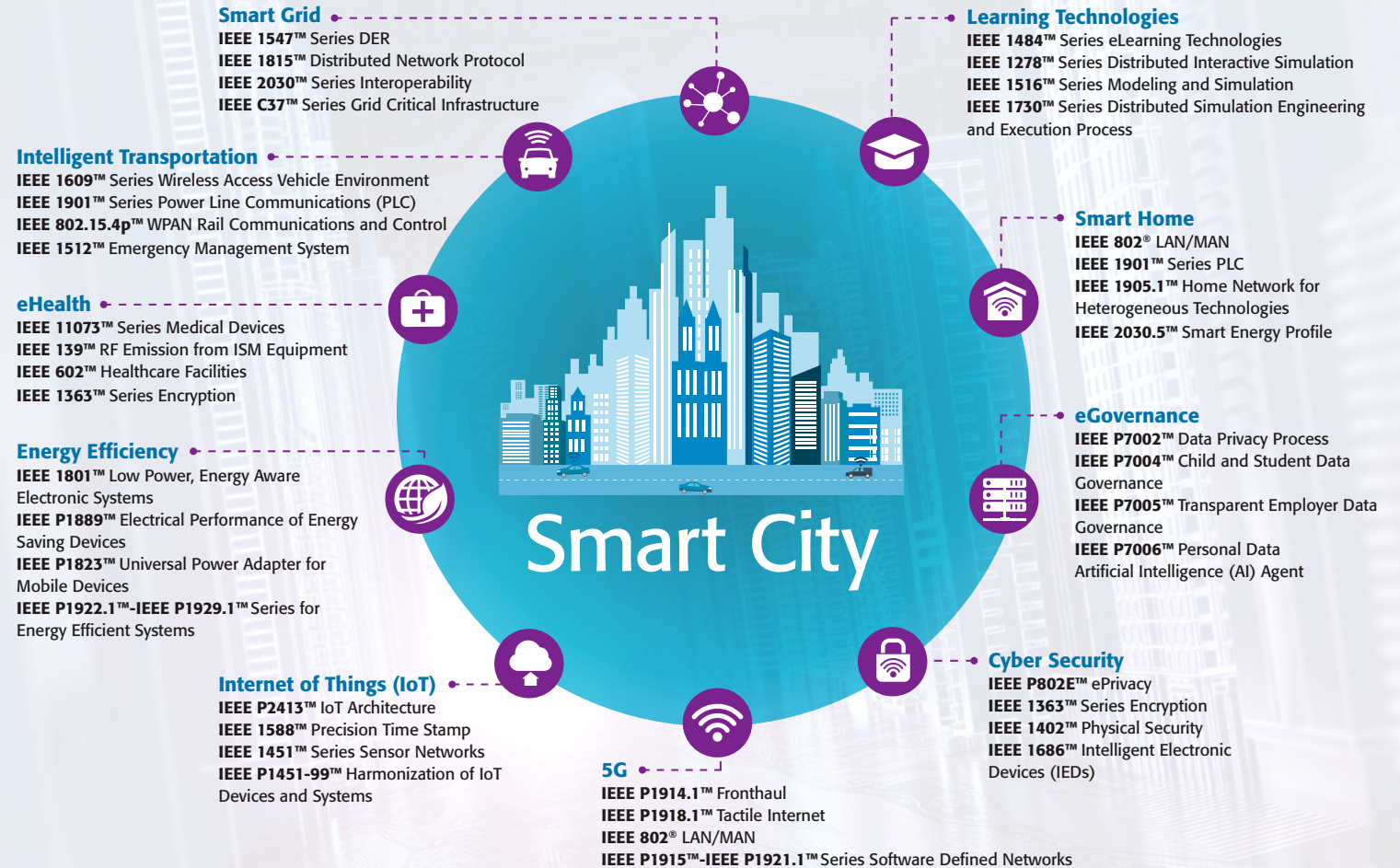
Slovakia Smart Regions

GLOBAL STANDARDS

Smart Cities Standards

IEEE-SA P2784: The Guide to the Technology and Process to Build A Smart City helps planners create interoperable and resilient smart city success stories

IEEE Standards Help Enable Smart City Technologies for Humanity



GLOBAL TREND: USE OF AI/ML

In 2019 US Dept. of Commerce's Global Cities Teams Connect, launched two new superclusters on AI/ML and Smart Buildings with hundreds of cities and mayors around the world to create global standards from the bottom up, local to global



**THE BEST WAY TO PREDICT THE FUTURE IS TO
DESIGN IT YOURSELF!**

THANK YOU!

@rhondabinda

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