

Creating 'Mega Cities' of the Future

Transformation towards Data & Tech-Fueled Megacities

Moderator

Dr. Taseer A. Rangrez, DBA, Ph.D.

BICSI MEA Advisory Committee Chair

CEO, KODEKS Technologies

CBO, SEATTLE Systems Solutions

Member, Smart Cities Council

Global Digital Infrastructure Alliance Member, 451Research

Member, UNA USA, United Nations Foundation

Panelists

1. Limor Schafman, Esq.

- Telecommunications Industry Association (TIA)

2. Andre Hoffmann

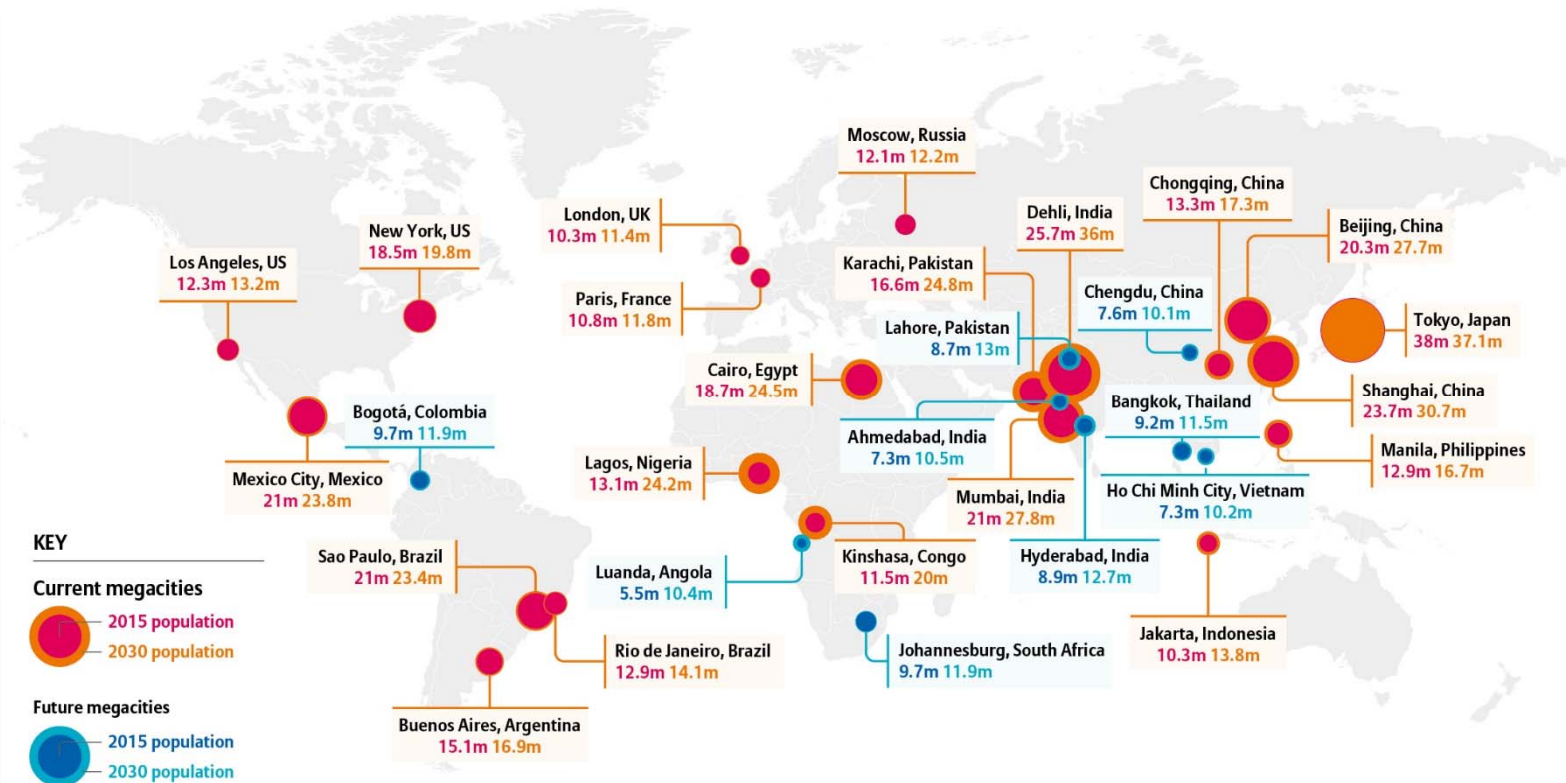
- FTTH Council South Africa

3. Ettiene Van Der Watt

- Axis Communications SA

4. Steve Banks, RCDD

- Nightlake Consulting



The Megacity state: 29 & Counting

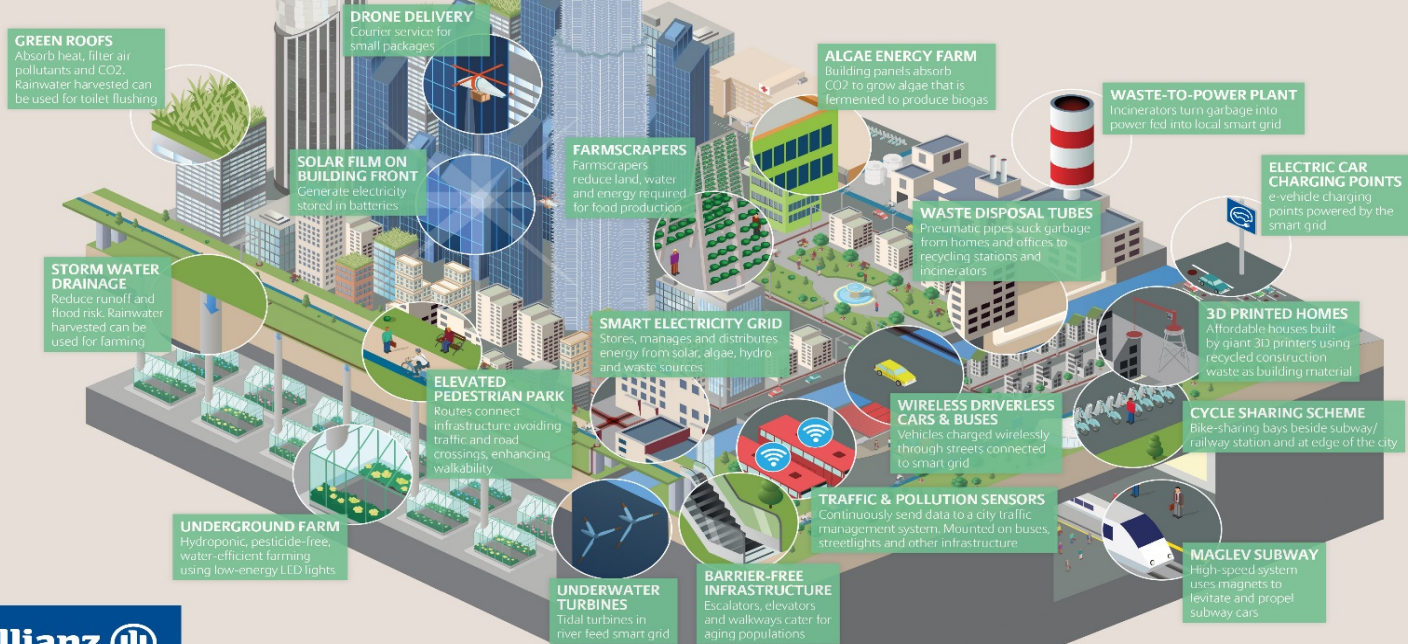
The number of megacities with more than 10 million inhabitants is expected to grow to over 40 by 2030 & we will need to find answers to the enormous challenges they pose

Source: World Urbanization Prospectus: The 2014 Revision

THE MEGACITY STATE: THE WORLD'S BIGGEST CITIES SHAPING OUR FUTURE

Megacity solutions

Megacities must adapt and innovate to meet the challenges residents face. Here are some solutions that could make megacities greener, more efficient and more pleasant places to live.



Megacities with a Central Nervous System

Digitally intelligent infrastructure fuels the delivery user-focused services

Smart Grids, Building Automation Systems (BAS), Unmanned Aerial Vehicles (UAVs)
Smart Vehicles; with enabling Internet of Things (IoT) sensors and the Cloud



Panelist: Limor Schafman, Esq.



Limor Schafaman, Esq.
Director, Smart Buildings Program
Telecommunications Industry Association (TIA)

- What do you consider to be major technological innovations & challenges currently impacting the development of smart cities? How do you think these challenges should be addressed?
- In the absence of a centralized body or an industry consortium; does collaboration between stakeholders, formation of consortiums, and close integration between the public sector and technology provider become a challenge? How is it dealt with?



Panelist: Andre Hoffmann



André Hoffman
FTTH Council South Africa - Chair
FTTH Global Alliance Technical Committee

- Smart cities bring promise to their citizens as much as they do doubts of their future effects on services, politics, security and privacy. How should policy makers approach the planning of smart cities?
- How soon 5G can be commercialized? What challenges will new applications bring to the transmission network in the aspects of bandwidth, delay, time synchronization?



Panelist: Ettiene Van Der Watt



Ettiene Van Der Watt
Training and Business Development Manager, MEA
Axis Communications

- Do you think that the process of removing or limiting human interaction with the system or increased automation, introduces new potential security challenges?
- What is the guarantee of privacy when using video surveillance in public spaces? Could you elaborate on some of the 'Video surveillance standards' that need to be framed and replicated in smart cities?

Panelist: **Steve Banks, RCDD**



Stephen Banks, RCDD
Senior Infrastructure Consultant
Deerns Nederland B.V.

- How big of a challenge could an Intelligent Transportation System disruption be? Are there remedies in place or in research?
- What is the state of interoperability in the Internet of Things? Where will solutions come from, academia or industry?

Panelists: Audience

- We hear a lot of new technologies are on the forefront (IOTx, AI, BlockChain) what will be the physical infrastructure requirements to meet the bandwidth demands of these new technologies?
- Questions/Perspectives from the audience?



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