Urban Infrastructure Solutions to Create Liveable Cities

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Urbanization represents a considerable development challenge.

Cities are critical for sustainable development ...

70% of global GHG emission are generated in cities.

5% Urban air pollution estimated to reduce GDP by up to 5%

40% Inadequate infrastructure can reduce firm produtivity by

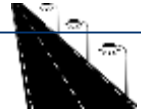
80% 80% of global GDP is generated in cities.

...and face large infrastructure investment needs.

$250bn
Mass public transport in South and East Europe

$38bn
Water treatment in Turkey

$40bn
Building retrofits in Europe and Central Asia



17 million
Streetlights requiring upgrades in Turkey

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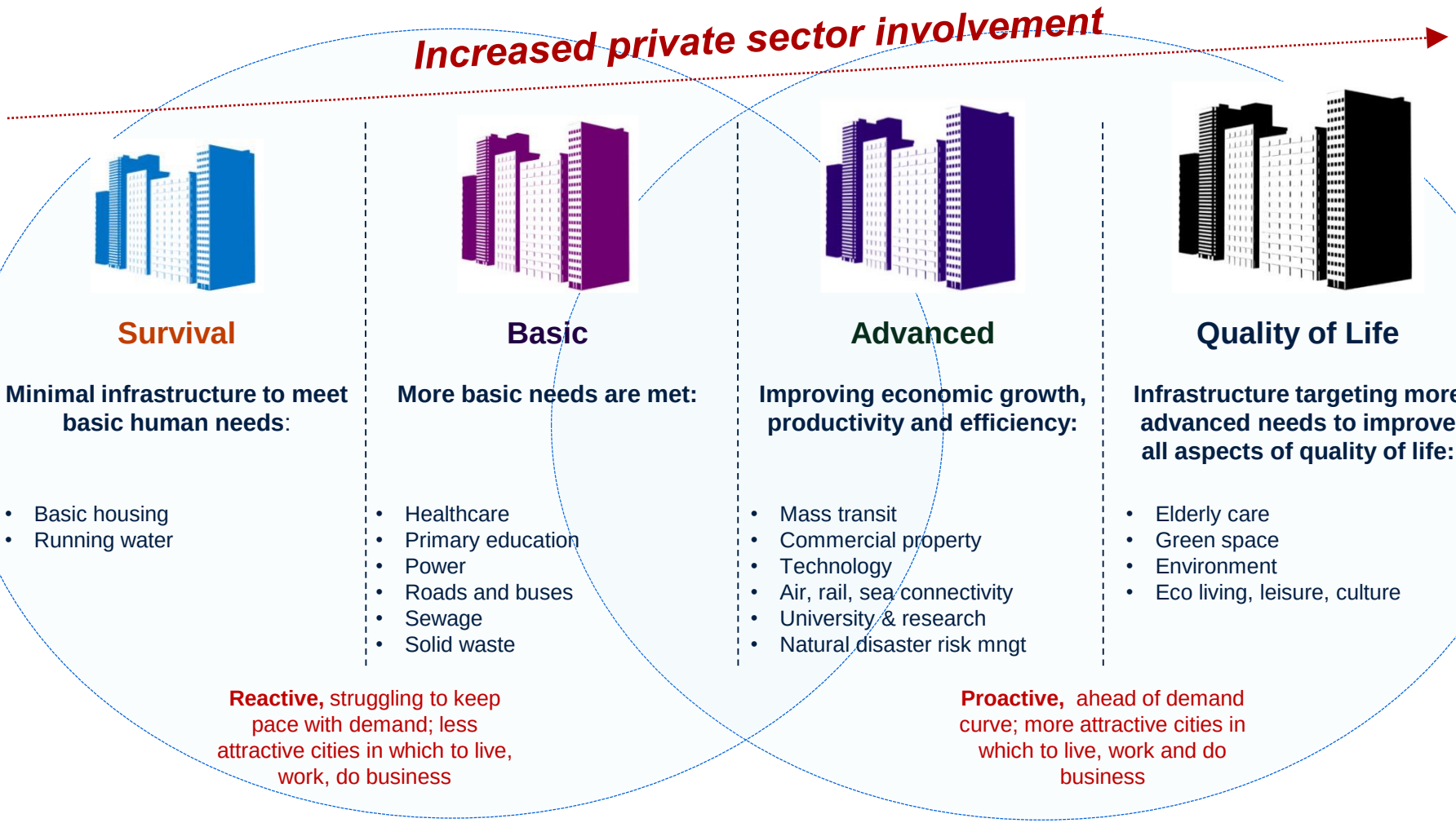
Cities drive demand for infrastructure and services.



! Not all cities can, will, or should follow the same evolutionary path

! The same city can score high on some aspects of its systems/infrastructure and low on other aspects

! There is a risk associated with becoming too large

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What makes cities of the future liveable?

Economic Competitiveness

- Availability and quality of jobs
- Innovation
- Connectivity (intra-/inter-city)

Quality of Life

- Safety
- Green spaces
- Cultural offering

Sustainability

- Environmental (climate, water, air)
- Social (equality, inclusion)
- Economic & Financial

How does IFC support liveable cities?

Identifying the right infrastructure and technology solutions

Public Transport, E-Vehicles, Waste to Energy, Green Buildings, Smart city solutions

Determining Optimal Financial Solutions

Creditworthiness, Green Bonds, PPPs

Enhancing Civil Society Participation & Stakeholder Engagement

Project Planning, Crowd Sourcing

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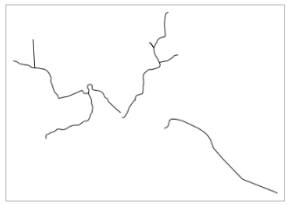
Case Study: Public Transport in Istanbul



Istanbul

Wuhan

Buenos Aires

Paris

Seoul

	Population (mln)	Metro Lengh (km)	Ridership (mln/a)	Ridership/ citizen (mln/km)	Length/ citizen (mm/ person)
Istanbul	14.8	145.0	551.6	3.8	9.8
London	8.7	436	1,457	3.3	50.3
Paris	2.2	214	1,518.6	7.1	95.5
Toyo	13.5	331	3,547	10.7	24.5
Mexico City	8.9	226.5	1,605	7.1	25.4
Shanghai	24.2	588	3,660	6.4	31.2

Istanbul has made major progress... from 1 line of 26km and 23 stations in 2000 to 5 lines, 145km and 73 stations in 2015 and counting...**But still lags behind in terms of metro network and ridership**

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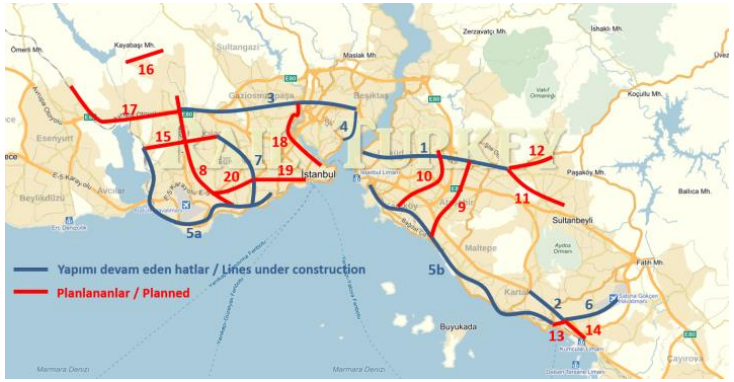
IFC support for Istanbul's public transport

- Ambitious plans to expand network (450 km by 2019 and to 650 km by 2030)
- Challenges in dense urban areas and unique topographie
- Large need for financing



Project Preparation Advisory

- Identify optimal solutions
- Address stakeholder concerns and develop engagement plans
- Promote integrated urban/transport planning

Financing

- IFC provided EUR 110 million (A/B loan) in 2015 for Kabatas and Mecidiyekoy
- $193m MIGA coverage of Üsküdar-Ümraniye-Çekmeköy metro line in Istanbul
- Exploring support for several planned metro lines

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Thank you!

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