



Graeme Scott ITU Smart Sustainable Cities Forum March 2015







a global architecture, planning, engineering and technology firm





currently operating in five continents



global offices



working in 69 offices worldwide



year history



over 40 years in operation

2,400+

dedicated people



a staff base of over 2,400 people around the world



service lines



working across more than 100 service lines



\$288m



2013 revenue = US\$288m





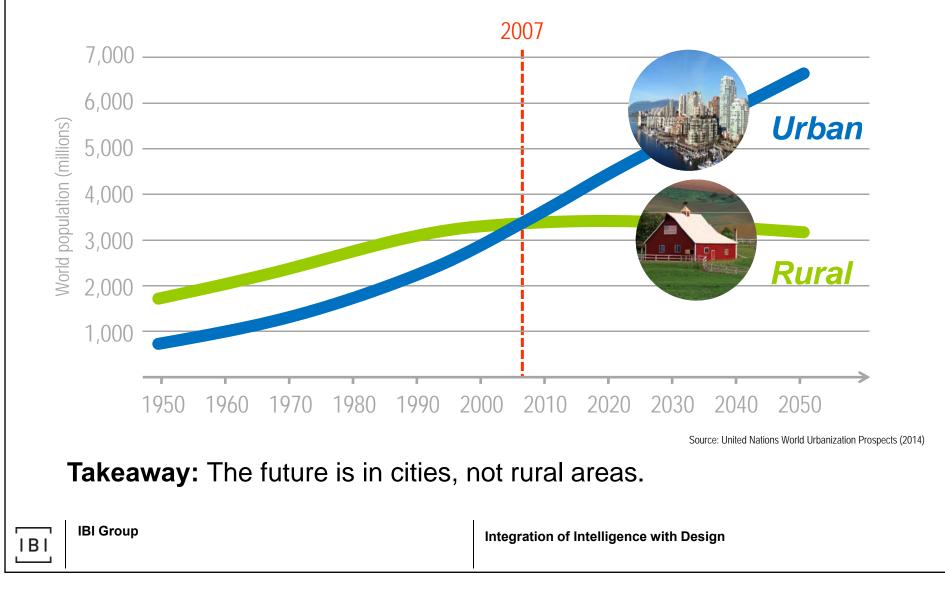


serving all global markets

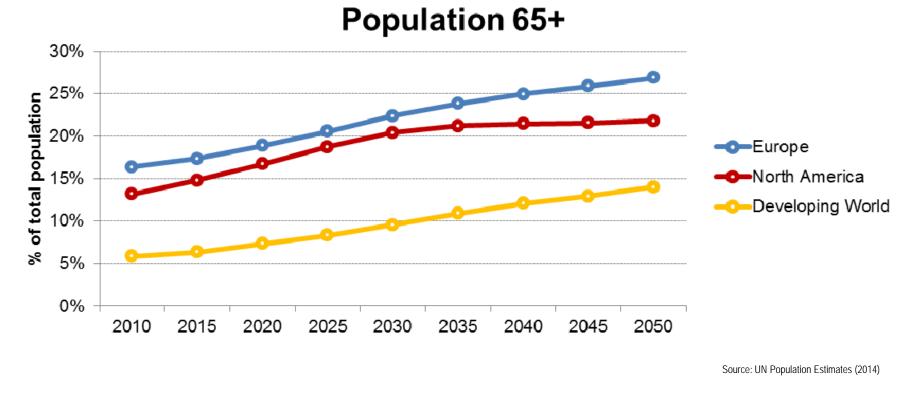
GLOBAL AND URBAN DEVELOPMENT TRENDS



Trend 1: A majority of the world's population now lives in cities; by 2050, 2/3 of the world population will be urban dwellers:



Trend 6: The population in developed countries will be ageing, bolstering the need for social infrastructure investment.



Takeaway: 'Ageing in place' will be highly desirable; plan for places with mixed-use, walkable, and safe environments.

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Trend 9: 53% of Millennials live in suburbs, but if they could, many would move to urban city / small town neighborhoods.



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Trend 12: Experiential bricks-and-mortar retail is thriving while standard retail is losing to low-cost and online retail:

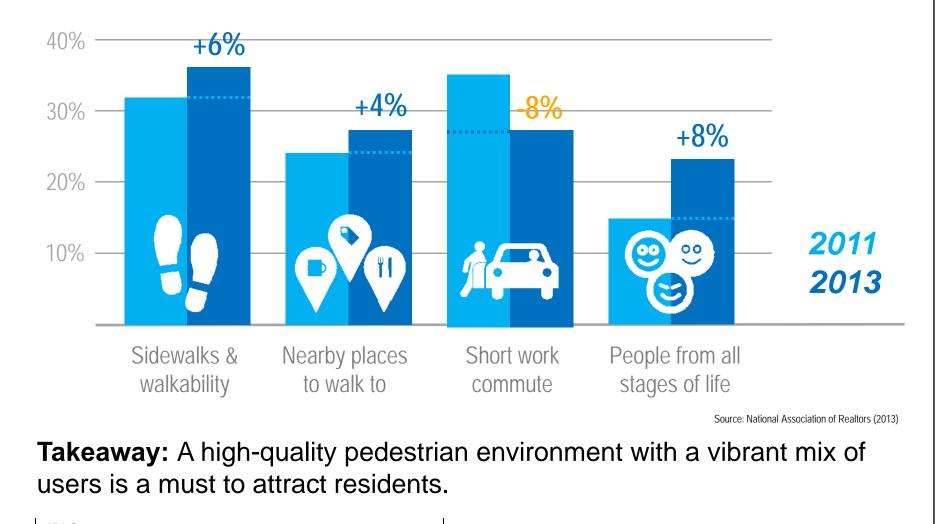


Takeaway: Focus on high-quality retail of products/services that cannot be experienced online *and* that favour walkable, urban places.



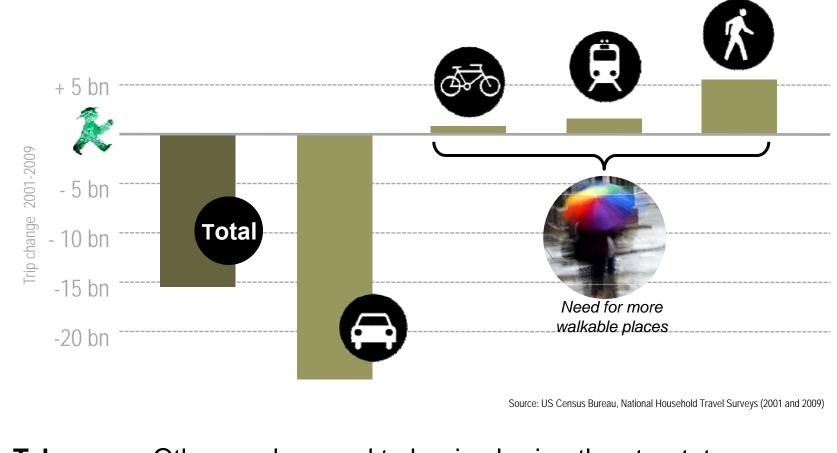
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Trend 13: Walkability and age diversity as a decision criteria of where to live are gaining in importance; commuting is less so:



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Trend 16: While car trips have been decreasing in the last decade, non-car trips have been going up:



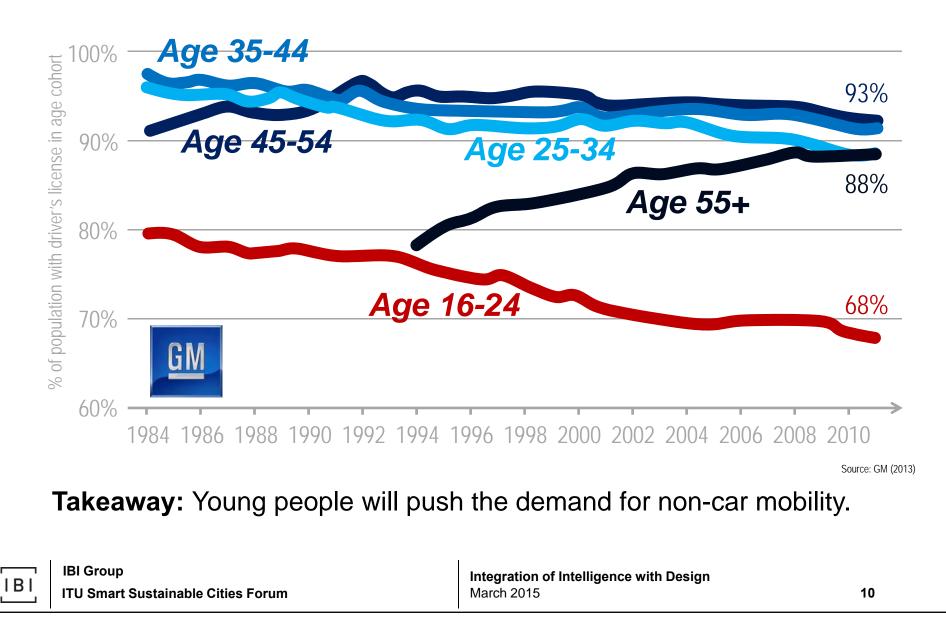
Takeaway: Other modes need to begin sharing the street, too.



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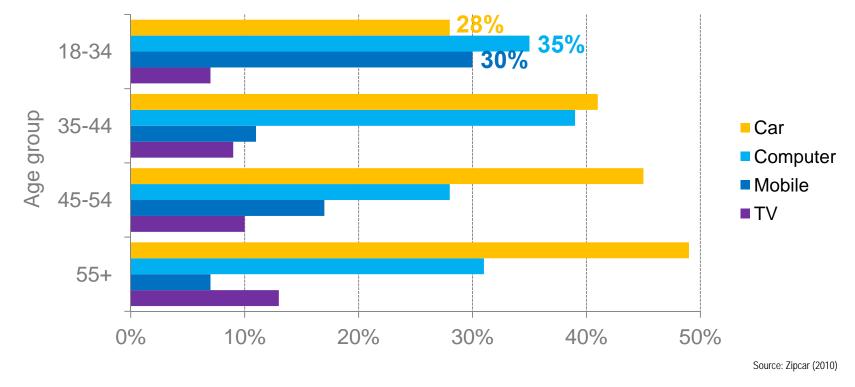
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Trend 17: Millennials are not keen on getting a driver's license:



Trend 18: Being (virtually) connected in real time is becoming more and more important, especially for the young generation:

In your daily routine, losing which piece of technology would have the greatest impact on you?

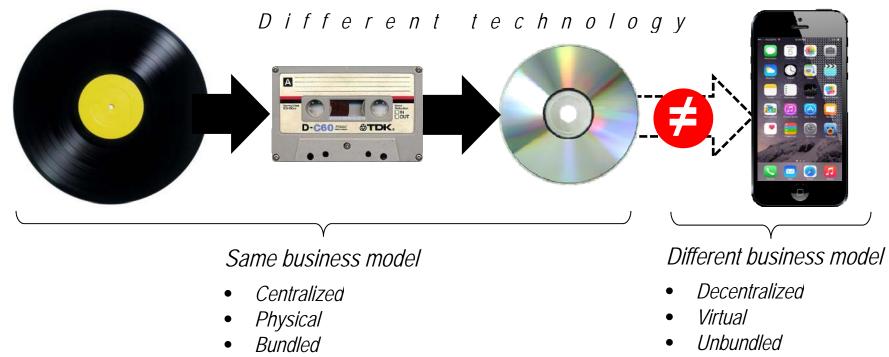


Takeaway: Mobile devices will be the driving technology in the future.

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Trend 20: New business models are evolving – decentralized, virtual, unbundled, and offering choice and shareability:



- Limited choice
- Difficult to shape / share

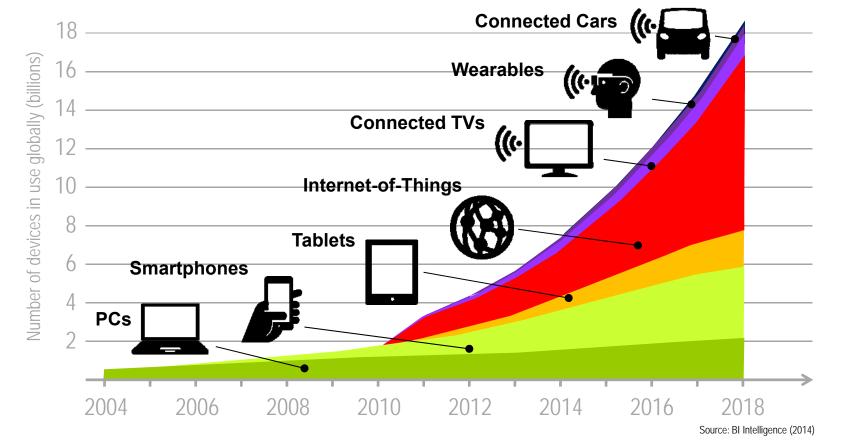
Unlimited choice
Able to shape / share

Takeaway: New business models that offer *convenience* to the user will also disrupt the mobility market.

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Trend 24: The 'Internet of Things' will surpass the Tablet, Smartphone, and PC markets combined by 2017.

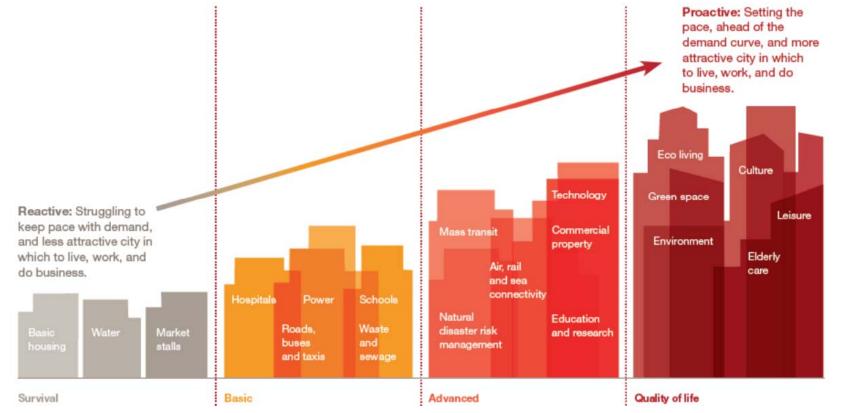


Takeaway: 'Big data' generated by personal, home, and mobility devices will allow for efficient and customized urban solutions: The 'Smart City.'

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Trend 25: Spending on infrastructure is evolving with economic growth – from basic response to a proactive means



Source: PwC and Oxford Economics (2011)

Takeaway: Use infrastructure as a tool for increasing the quality of life of cities, once basic needs are satisfied and slower growth eases demand.

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- Demographics
- + Economics
- + Consumer preferences

+ Technology

Efficient and high-quality urban living and mobility

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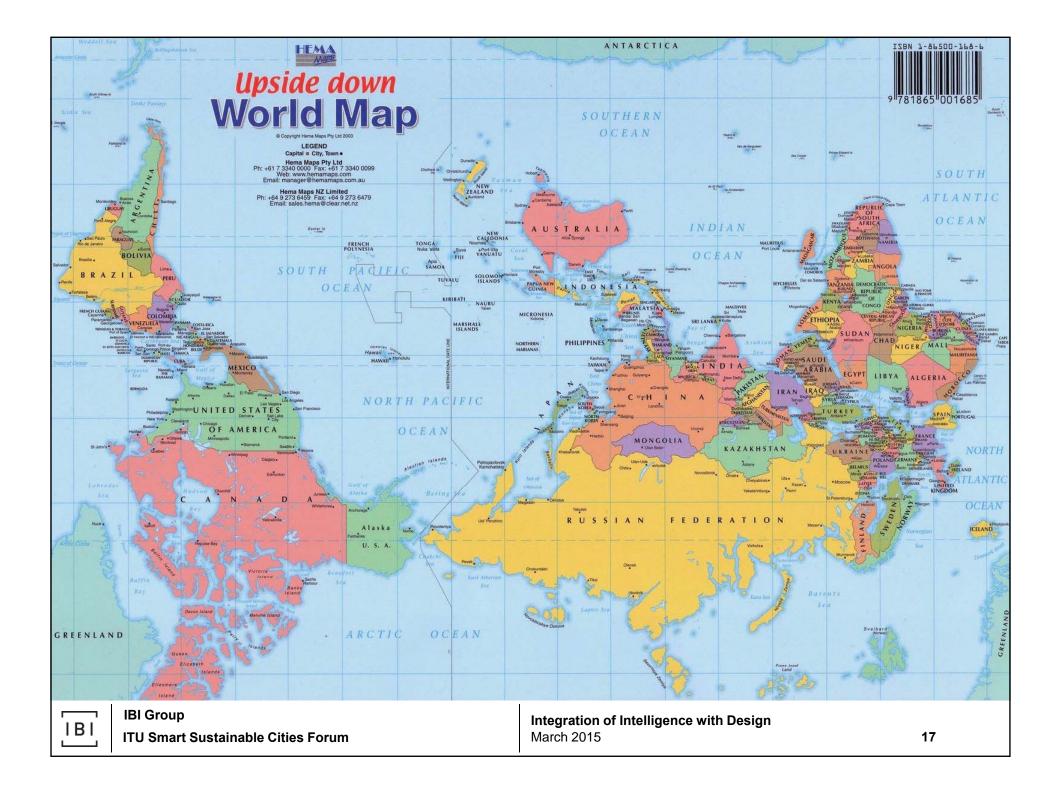
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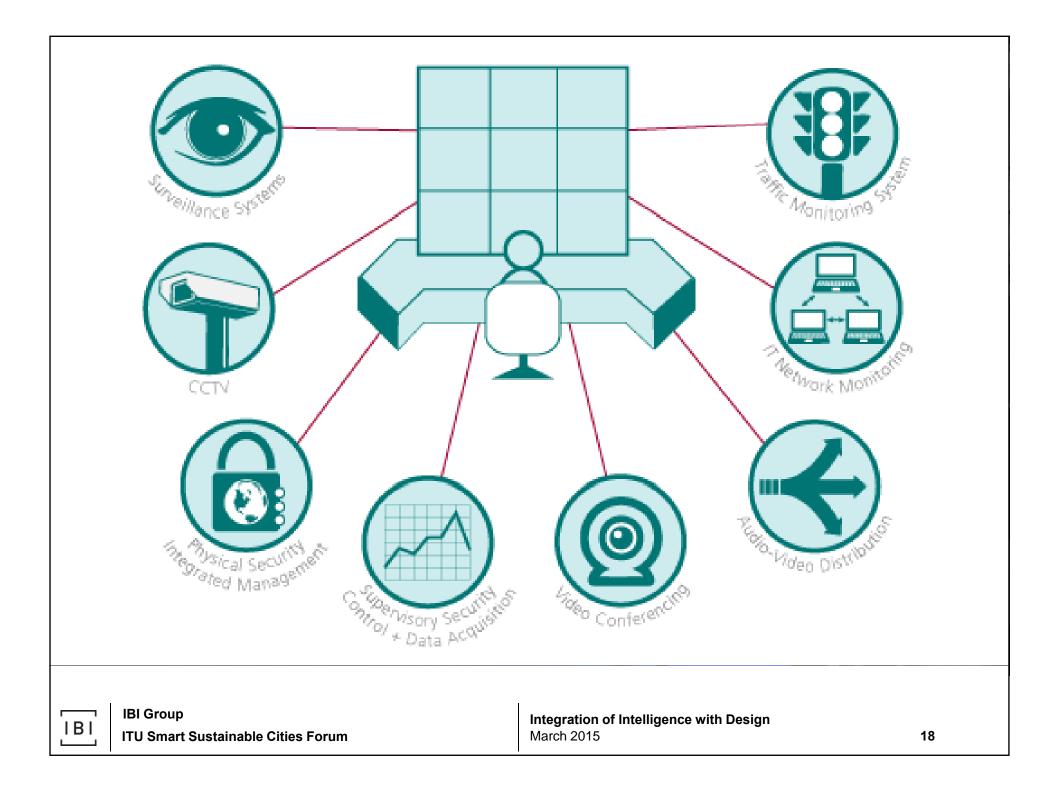
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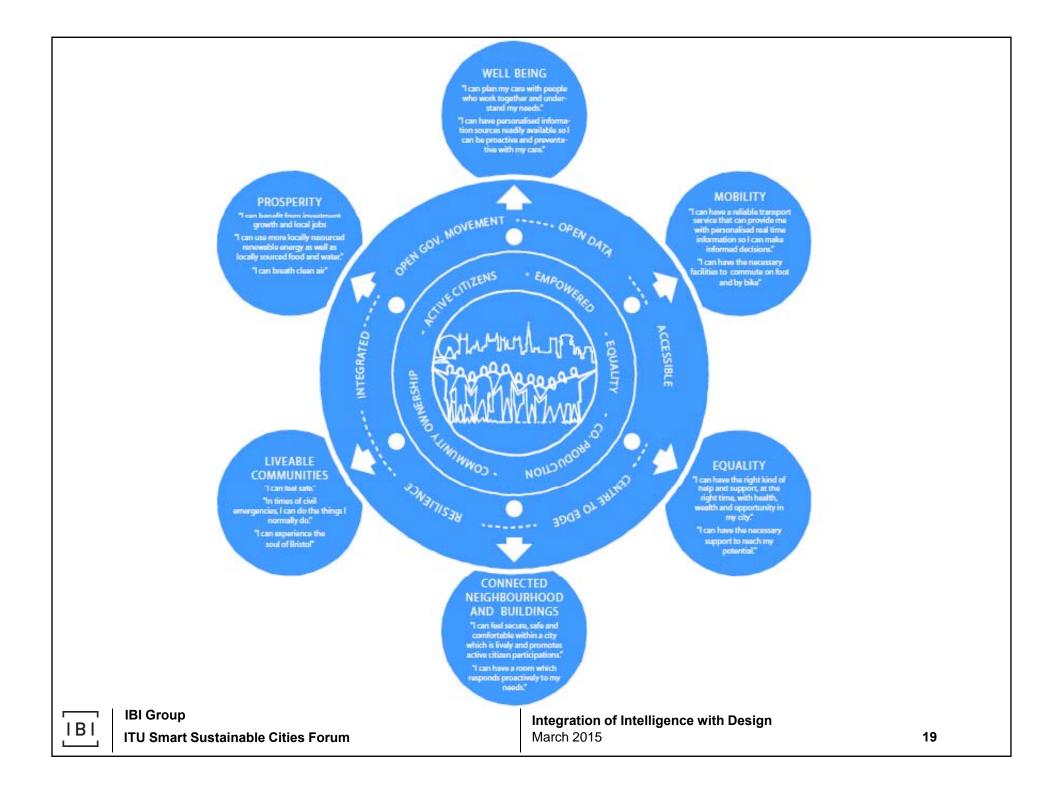
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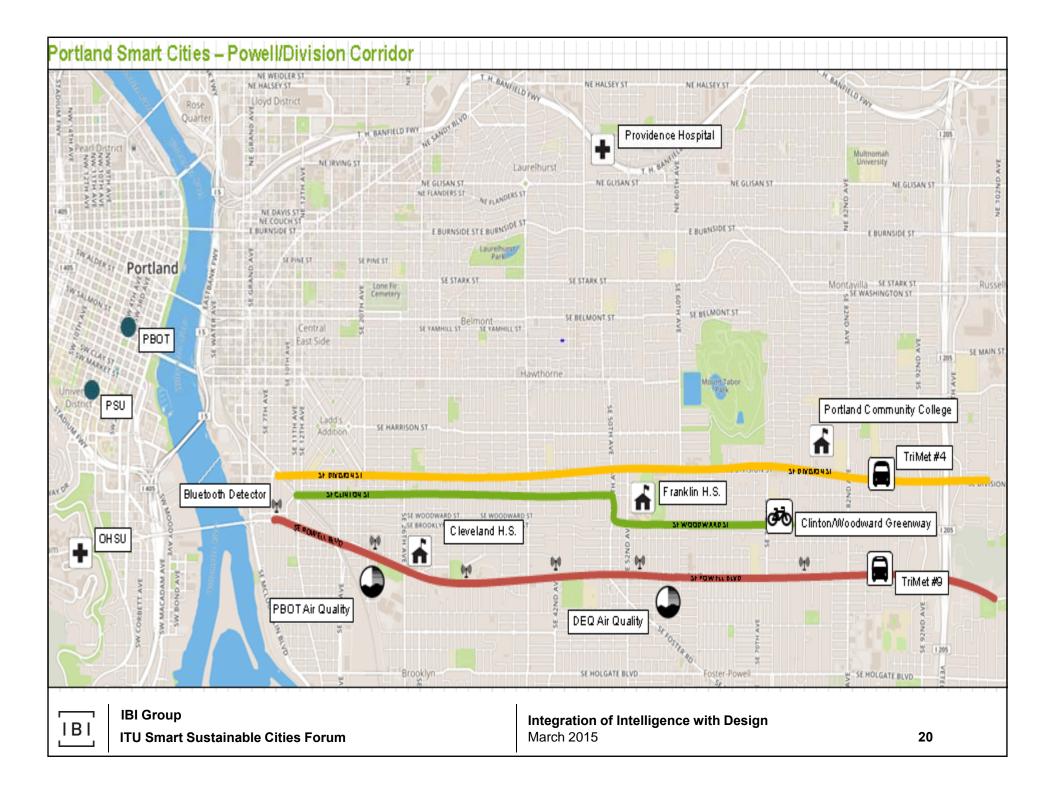
RETHINKING DESIGN

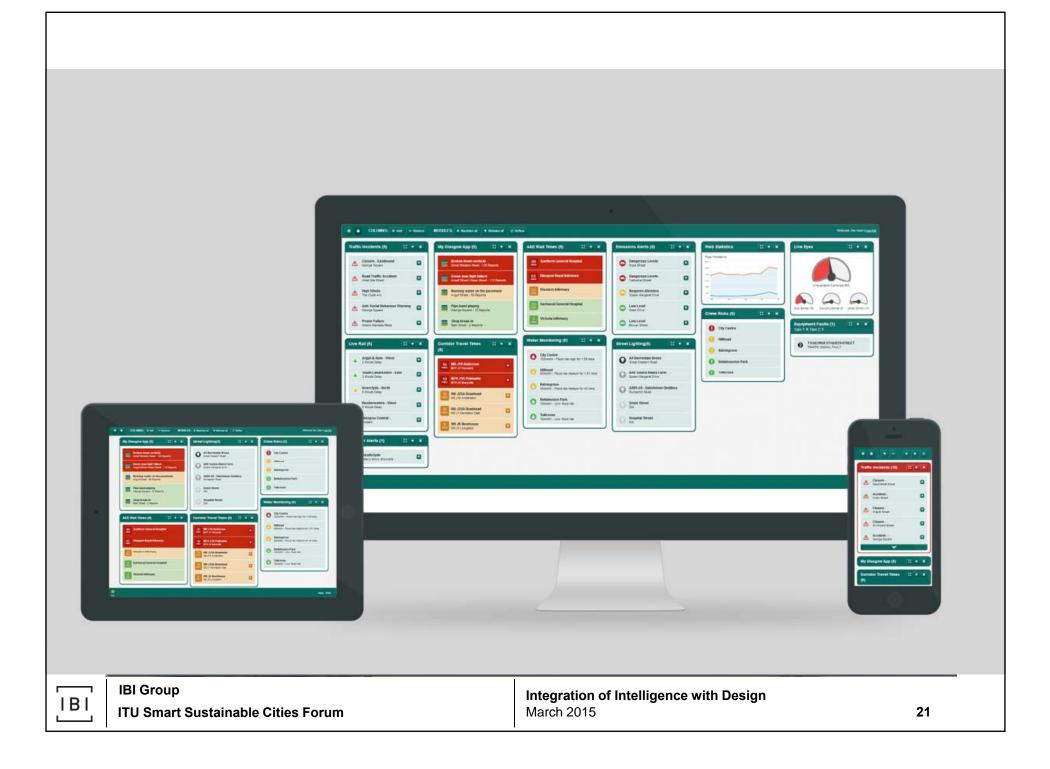














E-book technology trial for West Midlands bus stop

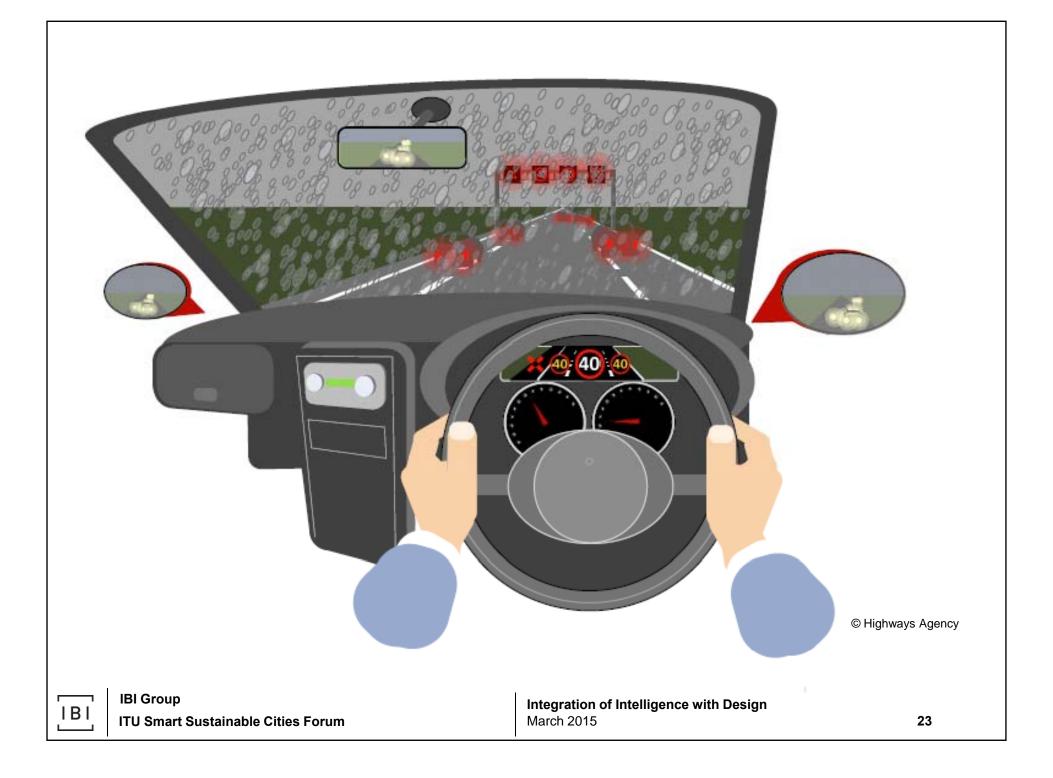




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MaaSt

Mobility as a Service

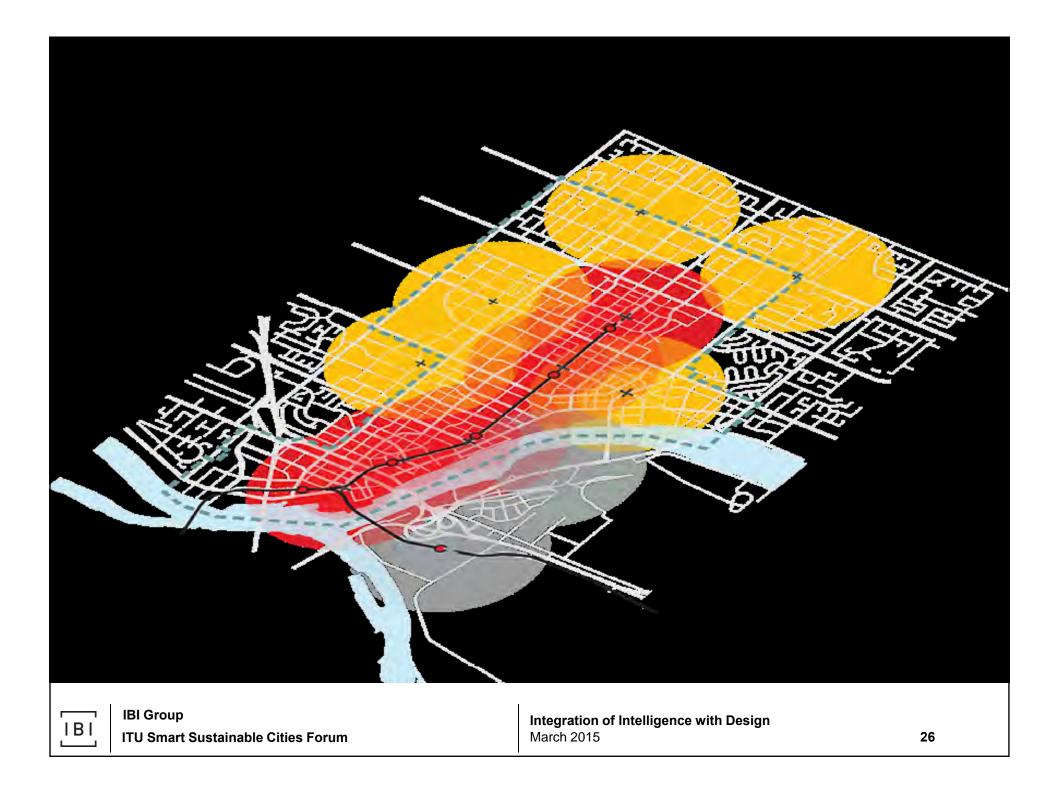
Finland to host the first Mobility as a Service ecosystem in the World.

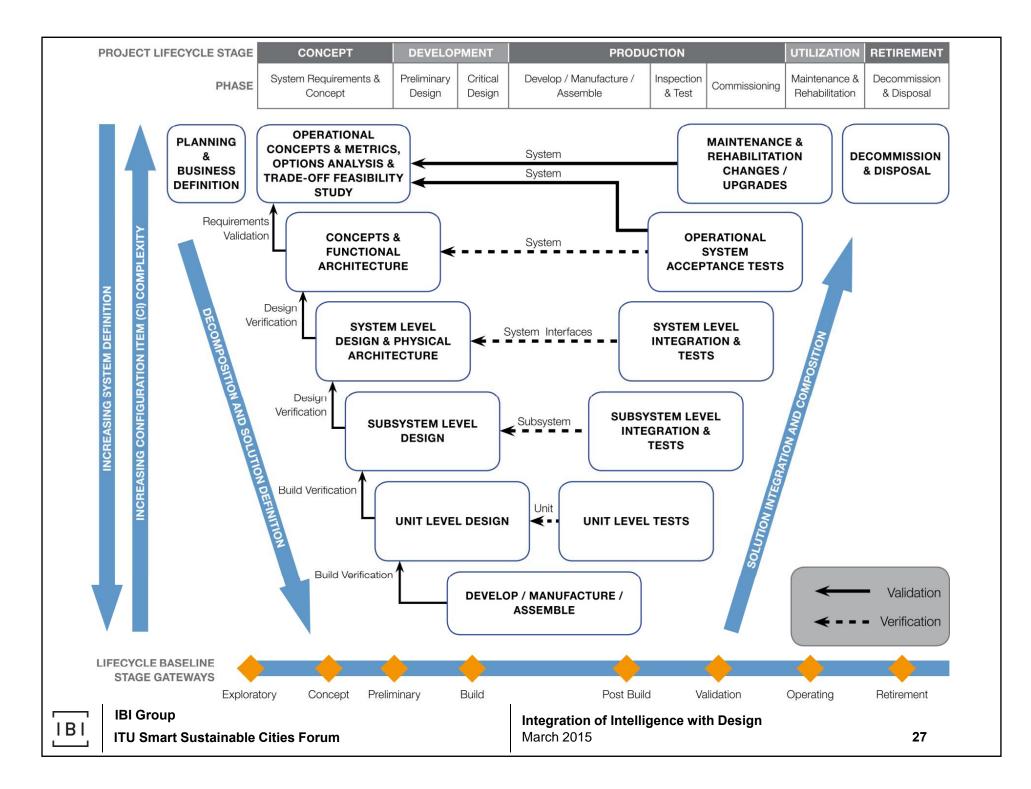
The Helsinki Model aspires to upgrade the service level of transportation by harnessing the passion and capacities of public and private entities. Collaboration and integration of services aims to create a seamless, demandbased and compelling travel experience for the public.

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