

2040

MEGAC With over 10 Million Up until 1975 there were just 3 PEOPLE New York, Tokyo and Mexico City **Largest City**:





By 2025, the number of megacities is expected to reach

two in Latin America (Bogotá and Lima), and one in Africa (Kinshasa)

of Cities with more than 1 million People

with an additional five in Asia (Shenzhen, Chongqing, Guangzhou, Jakarta and Lahore),

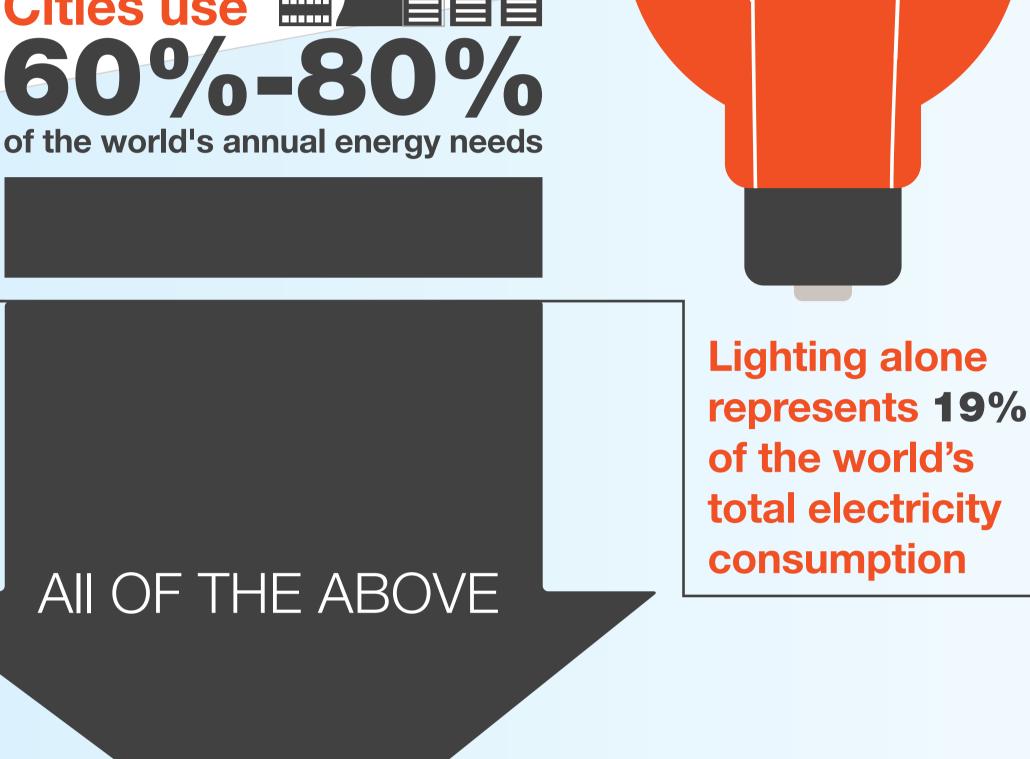
1900 China alone will have 221 cities with 1 million + people by 2025 ECONOMIC INFLUENCE

In the developing world, as much as

80% of future economic growth will occur in cities

1950

ENVIRONMENTAL IMPACT Cities use 60%-80



The top 600 urban centers generate

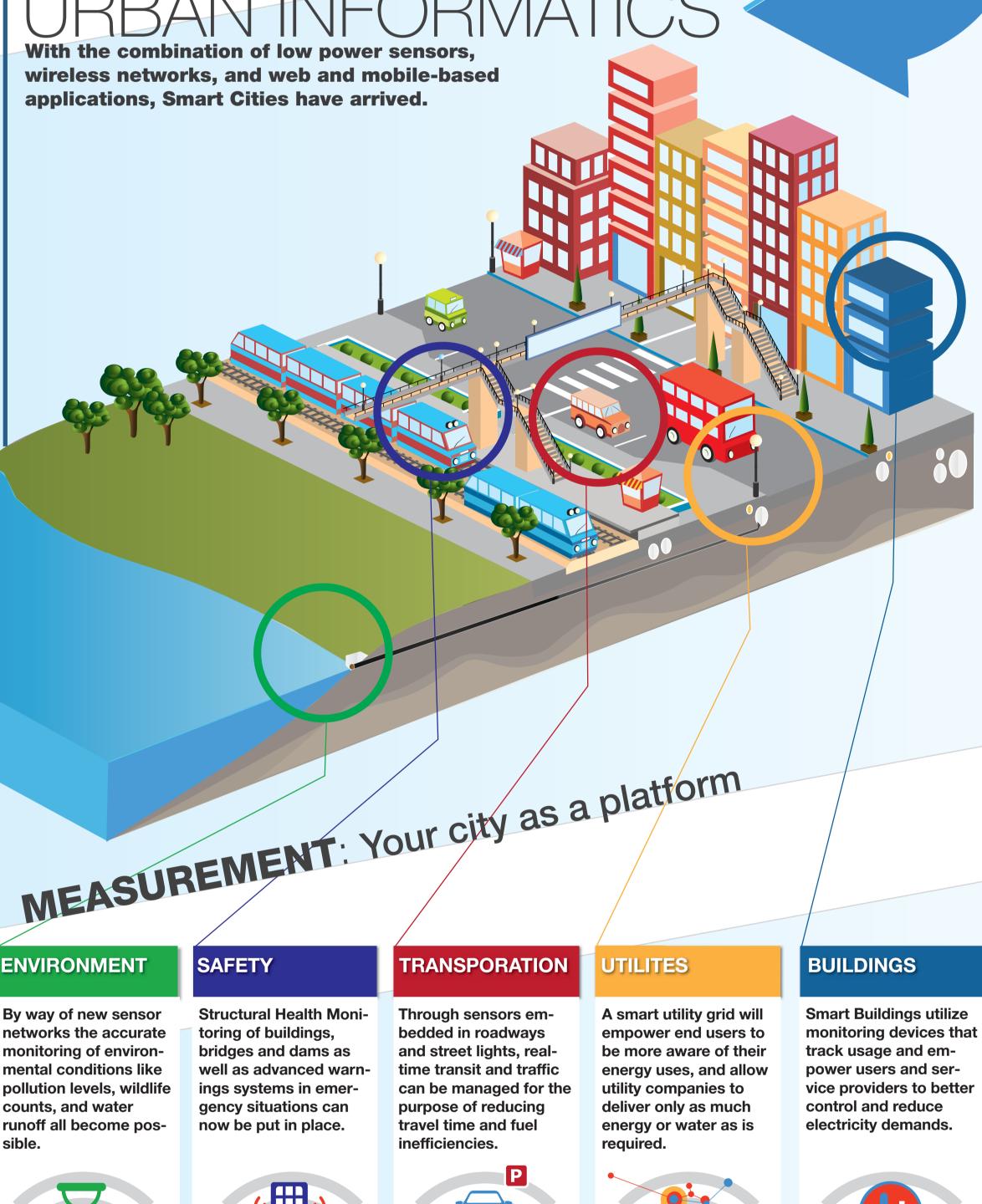
of global GDP

DRIVEN BY:

RESULTING IN:

The need for





production before and during an overflow event to avoid polluting their local waterways.

dontflush.me

The idea behind this proj-

measuring levels in Com-

and an SMS alert system

reduce their wastewater

to enable local residents to

bined Sewer Overflows

ect is to use sensors

What does this look like Shadow Cities

> This number is expected

to double to

2 billlion by

2030

125

100

75

50

25

2000

ガイガーマップJp

Geiger Maps Jp

After receiving incomplete

radiation level information

from authorities after the

Japanese earthquake a

group of individuals took it

upon themselves to start

source hardware & data

sourced geiger maps and

readings across Japan.

a project using open

to generate crowd-

Informal Settlements

Through Streetline's

Parker application, and

locally embedded wire-

less sensors, users can

identify real time availabil-

ity of parking spaces on

manage and price their

their phones and city

officials can better

infastructure and

resources.

A new system installed by

IBM in the country of Malta

integrates both water and

to identify water leaks and

electricity losses in the grid.

250,000 interactive meters

monitor real time usage, set

variable rates, and reward

customers who consume

less energy.

power systems, and is able

The majority of world population

billion

people call "slums" home today

The UN defines a slum as a household

that lacks access to one or more of the

Access to improved water

Security of tenure

There are:

mobile subscriptions

worldwide in 2011

Perspective: In India there are 670 million cell phone subscriptions and only 366 million

people have access to private toilets.

billion

• Durability of housing

Sufficient living area

Access to improved sanitation

TO

5.2 billion in 2050

The Nest thermostat is

enabled with both Zigbee

and Wi-Fi chips, so that it

can be connected to and

mobile phone or online.

The thermostat also can

learn from your usage

patterns and adapts to

ences over time.

your behaviors and prefer-

managed from your

Nokia 1100

The best selling phone of all time with over 250

million units sold

Leading to new ways for the urban poor to manage their environment

Least developed countries

2005

The Rede Jovem project used citizen reporters, cell phones, and an open source Wikimap application to map and BBC Janala provides locals access to hundreds of free English language audio lessons. This is used to further educate and open opportunities to improve the

SOURCES: The World In 2010: ICT Facts and Figures - ITU World Urbanization Prospects, the 2009 Revision - UN

Effect of Mobiles on Socio-economic Life of Urban Poor - Ankur Sarin Rekha Jain Preparing for China's urban billion - McKinsey Global The Challenge of Slums: Global Report on Human Settlements 2003 - UN The Transition to a Predominantly Urban World and its Underpinnings - David Satterthwaite Raising the I.Q. of City Services - NYTimes How Mobile Devices Are Changing the World's Information Ecosystem - Center for International Media Assistancea

Learn more about this topic at: postscapes.com

Raising the I.Q. of City Services - NYTimes

Postscapes Tracking the Internet of Things

DEVELOPING ushahidi.com

OUTLOOK **FINANCIAL** market opportunity is expected to be: annually CIVIC & **ENVIRONMENTAL**

cgnetswara.org redejovem.org.br

Mapping **& ACCURATE REPORTS** CGnet Swara is a citizen journalism channel in Chhattisgarh, India, that allows citizen journalists and interested parties to call a phone number to record or listen to local news content. Finances & WORK Jana (formerly txteagle) mission is to offer global organizations access to emerging market consumers via their phones. Users are compensated with cell phone air time for surveys that are completed via SMS (Air time is increasingly used as a form of currency to purchase real goods).

MPESA M-PESA allows Kenyans to make

ERVICES

The Smarter cities IT

PROJECT LINKS & IMAGE CREDITS:

bbcjanala.com jana.com

ADAPTIVE SENSEABLE

Cisco estimates that cities that run on information can improve their energy efficiency by 30% within 20 years.

DEVELOPED dontflush.me geigermaps.jp streetline.com

nest.com

safaricom.co.ke

growth will occur in the urban areas of developing countries, whose population is projected to increase 2.5 billion in 2009

following:

gain awareness for five slums (home to 150.000 residents) in Rio de Janeiro.

country's economic growth.

cash withdrawals, deposits, and

customers that don't have access

transfers through their mobile phone and caters specifically to

to traditional banking systems.

ibm.com/smarterplanet senseable.mit.edu

Ushahidi The open source Ushahidi platform serves as an initial model for what has been coined as 'activist mapping' - the combination of social activism, citizen journalism and geospatial information sent via mobile. **swara**

2010

N A

EFFICIENT

One bright spot for the world's poor has been increased access to cell phones and information: Mobile phone subscriptions per 100 people **Developed countries Developing countries**