



Smart City Safe City CANTO AGM 2017

Renaissance Hotel
Curacao, Netherlands Antilles







The Bahamas Declaration

Powering Smart Sustainable Cities, Nations & Islands

18 December 2015

ITU's 5th Green Standards Week, held from 14 to 18 December 2015 in Nassau, the Bahamas, on the theme "Powering Smart Sustainable Cities, Nations & Islands" has:



ITU Bahamas Declaration contemplates 'smart islands', 'smart nations'

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Prime Minister Perry Christie on Tuesday noted in passing that the International Telecommunications Union (ITU) had agreed that The Bahamas will feature the world's first "smart island". A look at the ITU's "Bahamas Declaration: Powering Smart Sustainable Cities, Nations & Islands" explains what that might mean for the country.

The ITU held its fifth Green Standards Week from December 14-18, 2015 in Nassau on the theme "Powering Smart Sustainable Cities, Nations & Islands".

That declaration called "uncontrolled urbanization" "a widespread socio-economic phenomenon the world is witnessing in the 21st century, which significantly affects the way we live."

The declaration said, "Urban areas reflect the complexity of human societies, where social, economic and environmental issues are interconnected."

The ITU aso acknowledged that while urbanization has brought economic and technological progress that



Caribe 2016 Cleveland



#1 hospital in the Miami-Fort Lauderdale





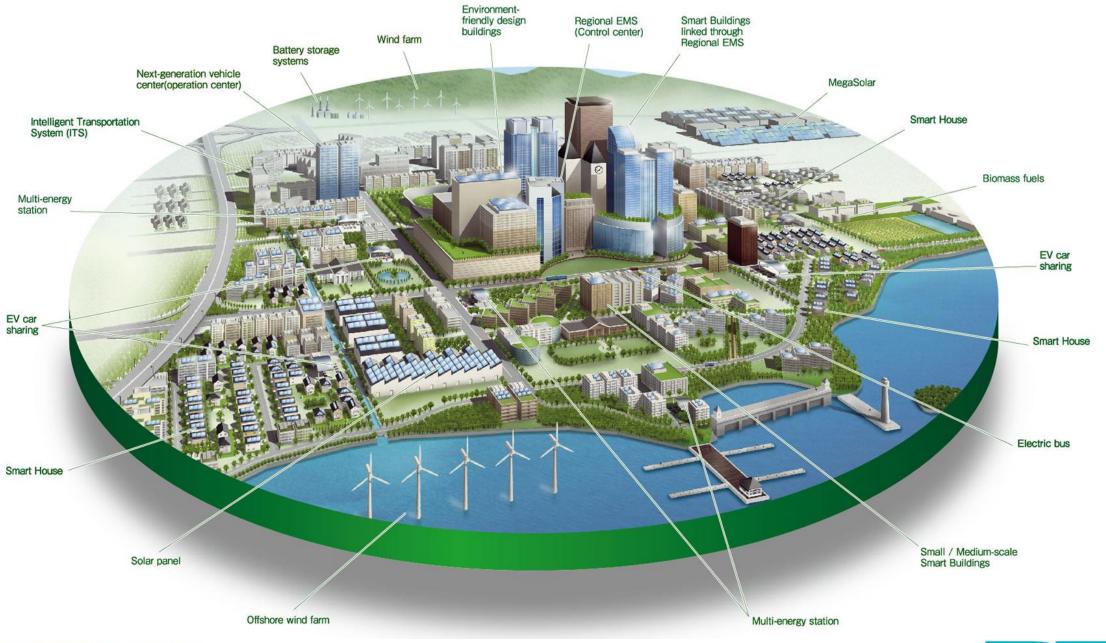
In October 2015, ITU-T Study Group 5 agreed on the following definition of a Smart Sustainable City:

"A smart sustainable city is an innovative city that uses information and communication technologies (ICTs) and other means to improve quality of life, efficiency of urban operation and services, and competitiveness, while ensuring that it meets the needs of present and future generations with respect to economic, social, environmental as well as cultural aspects".



"Smart Cities are powered by smart Governments and provide superior customer service with a full understanding of citizen needs." Imex Systems









The winners of the 2016 World Smart City Awards



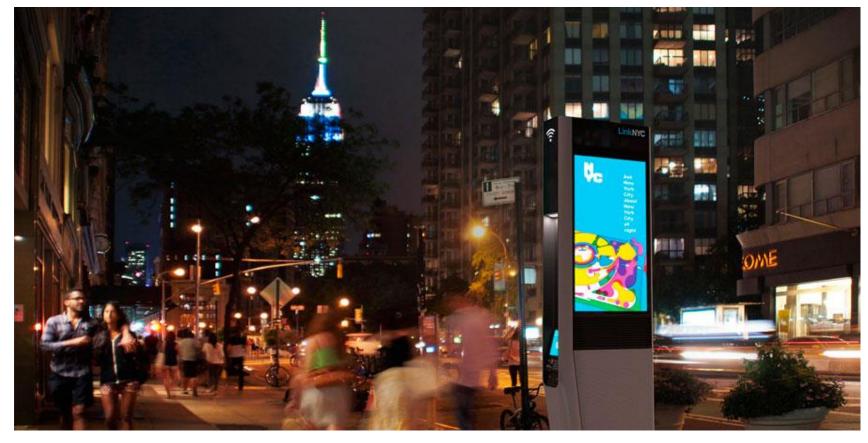
The winners of the 2016 World Smart City Awards

After an unprecedented number of entries this year, the winners have been selected for their cutting-edge initiatives that resolve urban challenges and benefit cities and their citizens.

The winners were announced on November 16th in a ceremony that attracted an audience of more than 1,000 key public and private decision makers,)providing an excellent opportunity to gain prestige and visibility).







CITY AWARD
New York City's Strategy for Building a Smart +
Equitable City

New York – USA



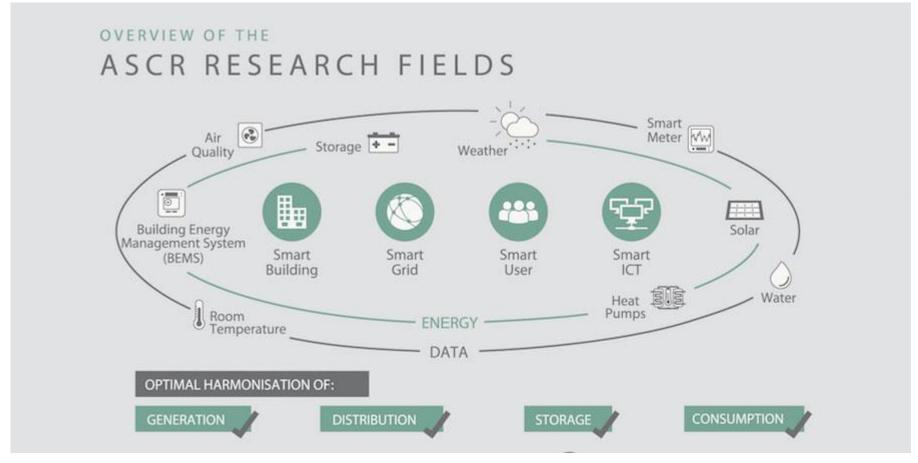




HONORARY AWARD

The Smart City Expo World Congress organization has the pleasure to grant a special recognition to the Ministry of Housing and Urban-Rural Development of People's Republic of China, which provides housing and regulates the state construction activities in the country, for its efforts in leading the process of transformation in China towards more sustainable cities.





PROJECT AWARD Aspern Smart City Research: Integrated Energy Research for the future

Aspern Smart City Research Gmbh&co KG Wien - AUSTRIA





Chennai's



Indian city Chennai's planned redesign won the city a Sustainia Award in 2015. The bold plans follow severe floods which left most of the city under water and placed climate change as a top priority. The plans include expanded footpaths, safe pedestrian crossings, protected cycle tracks, properly scaled carriageways, conveniently placed bus stops and clearly designated on-street parking.

Thanks to smart transport adaptations, the solution will have far-reaching health and environmental benefits and was described as a "role model for other cities" by judges.

Photograph: Barcroft India



Vancouver



Consistently ranked one of the most liveable cities in the world, Vancouver is at the cutting edge of urban sustainability. Its ambitious **Greenest City Action** Plan, was recently granted the C40 **Cities Award in the category of** carbon measurement and **planning.** The city's mayor, Gregor Robertson believes that cities "are the laboratories that can inform and inspire a better future" and the aim of the plan is to make Vancouver "the greenest city in the world" by 2020. In addition, an ambitious \$30m (£16.4m) digital strategy was launched with the aim to become a major player among smart cities. Photograph: Alamy





Seattle



A short hop over the border, US city Seattle has just joined the White House smart cities initiative. The city is partnering with the University of Washington to develop smart solutions to a variety of urban challenges – from transportation to earthquake preparedness - based on cutting edge research. Already recognised as one of the nation's most sustainable cities, there are many great examples of smart initiatives in Seattle such as its publicly owned utility, Seattle City Light, which was the first electric utility in the country to become carbon neutral.

Photograph: Alamy





<u>Nanjing</u>



In 2009, Nanjing was one of the first cities in China to embark on a smart city strategy with the aim of becoming world-class through the use of centralised data management, system integration, and crossfunctional collaborative applications. Nanjing has implemented a series of model IT projects that make it a pioneer in China, and at the end of May, will play host to the second annual Conference on **Internet of Things and Smart City.**

Photograph: Alamy





Milton Keynes is one of the fastest growing cities in the UK



"The opportunity to develop new test hologies for smart cities in the UK I massive. We want to make sure that we are at the forefront of this digital revolution..."

The Rt Hon David Willetts MP, Minister of State for Universities and Science

Milton Keynes' flagship strategy the MK: Smart project, recently won the best of show prize at the 2015 VMWorld Europe User Awards, in recognition of the transformational impact it could have on how UK towns and cities operate in the future. Central to the initiative will be the state-ofthe-art "MK Data Hub" which will support the acquisition and management of large amounts of data relevant to city systems such as energy, water consumption and transport. The information is then used to innovate according to the city's demands.

Photograph: Alamy

Everyday.



Stockholm



Stockholm's green credentials are well known; about 40% of its land mass is dedicated to green space and in 2010, Stockholm was the first city to be awarded **European Green Capital status.** But now it's becoming known as one of northern Europe's smartest cities. As well as being committed to digital governance and data security, its Stockholm Royal Seaside (SRS) urban regeneration project has become a test bed for new information and communication technologies, which have been developed to improve quality of life,

grow the local economy and help

Stockholm remain a green leader in

the region.

Photograph: Alamy





Johannesburg



The City of Johannesburg last year took what was described as a "giant leap" towards becoming a fully fledged smart city, with the launch of its Smart Citizen Programme, which includes the rollout of free internet and Wi-Fi in <u>libraries</u> across the city. This is just one initiative in its long term strategy to be fully smart by 2040. Other plans include the city's digital ambassadors programme, broadband base stations and a youth jobs initiative.

Photograph: Alamy





Barcelona



Spain's second-biggest city, Barcelona, currently has more than 100 active smart cities projects from Wi-Fi in public spaces and public transportation to intelligent lighting and the promotion of electric vehicle charging infrastructure. Like many leading smart cities, Barcelona has identified significant opportunities for using technology to facilitate an improved quality of life for both its residents and its visitors. It provides global leadership by supporting the growth of the smart cities industry through the Smart City Expo World Congress, as well as the City Protocol initiative.

Photograph: Alamy Everyday.



Medellin



Once one of the most dangerous cities in the world,

Medellin, Colombia has undergone a nearly miraculous transformation thanks to an urban regeneration strategy, which focuses on citizens from the most vulnerable neighbourhoods. Projects such as a cable car, electric stairs and new technology-enabled schools and libraries, have proven to be a success and in 2013, Medellin won the Urban Land Institute's Innovative City of the Year Award. It is not stopping there – the MiMedellín platform, for example, aims to allow residents to co-create ideas for the city's continued transformation

Photograph: Alamy

Everyday.



Seoul



No list about global smart cities would be complete without mentioning Seoul, the granddaddy of tech-savvy cities - or neighbouring Songdo, built to be smart from conception. New initiatives in South Korea's capital include the development of smart work centres which allow 30% of government employees to work from 10 offices - complete with sophisticated groupware and teleconferencing systems located closer to their homes. The city is also trying to be greener. One plan aims to reduce Seoul's total energy use by 10% following the installation of a thousand smart meters.

Photograph: Alamy



The National Development Plan Goals and Strategies for Economic Reform

Chamber of Commerce

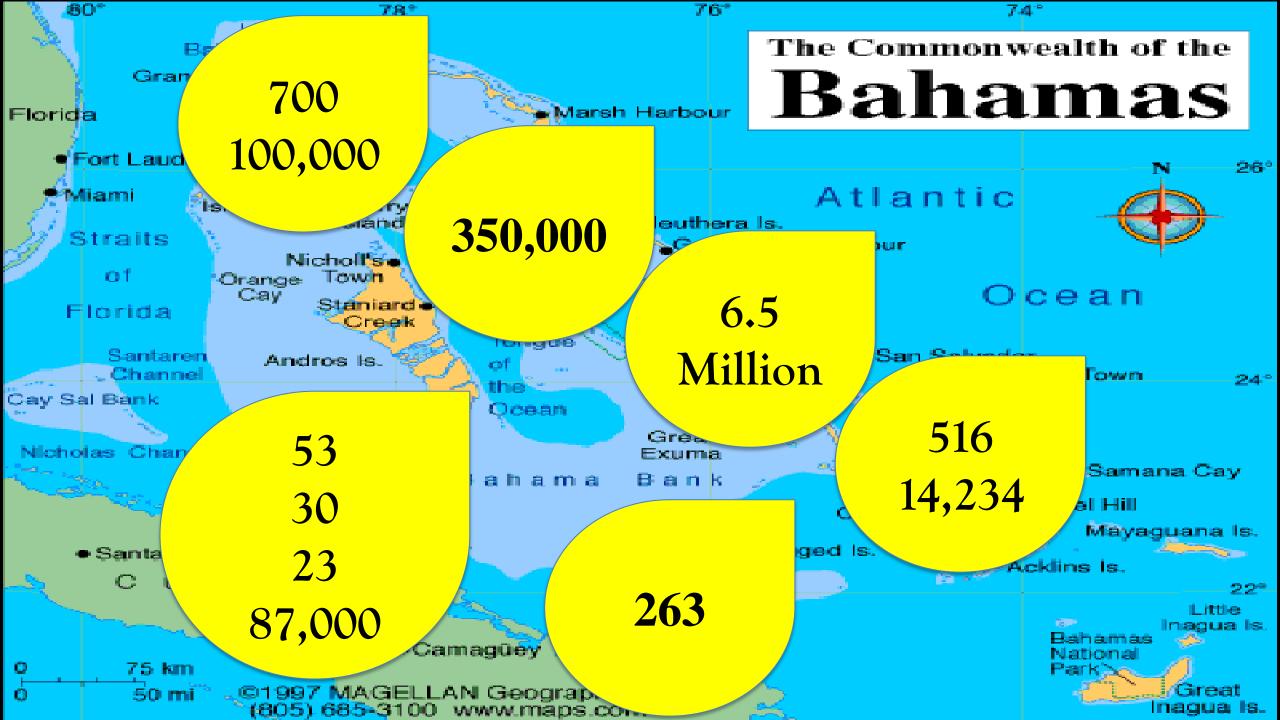
Nicola Virgill-Rolle, PhD
Director
Economic Development and Planning
23rd August 2016







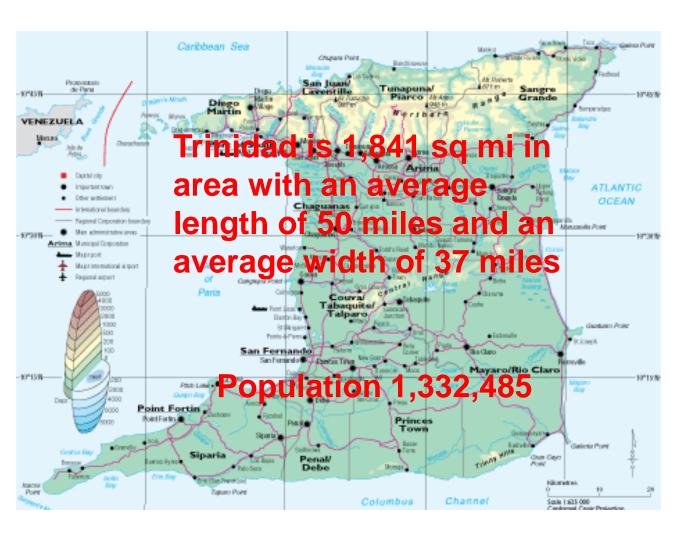


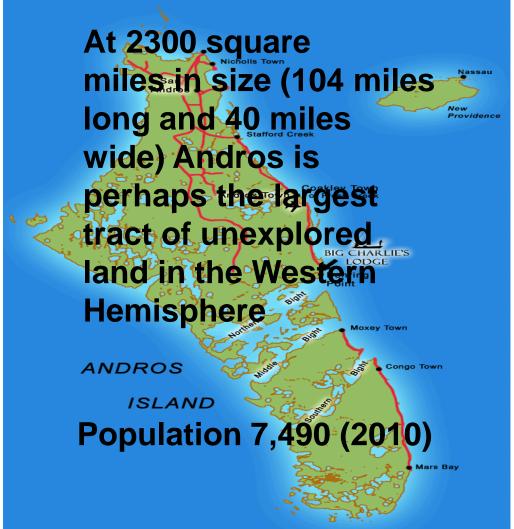
















Security



6.5 Million Visitors per Annum 350,000 Residence





Smart Energy

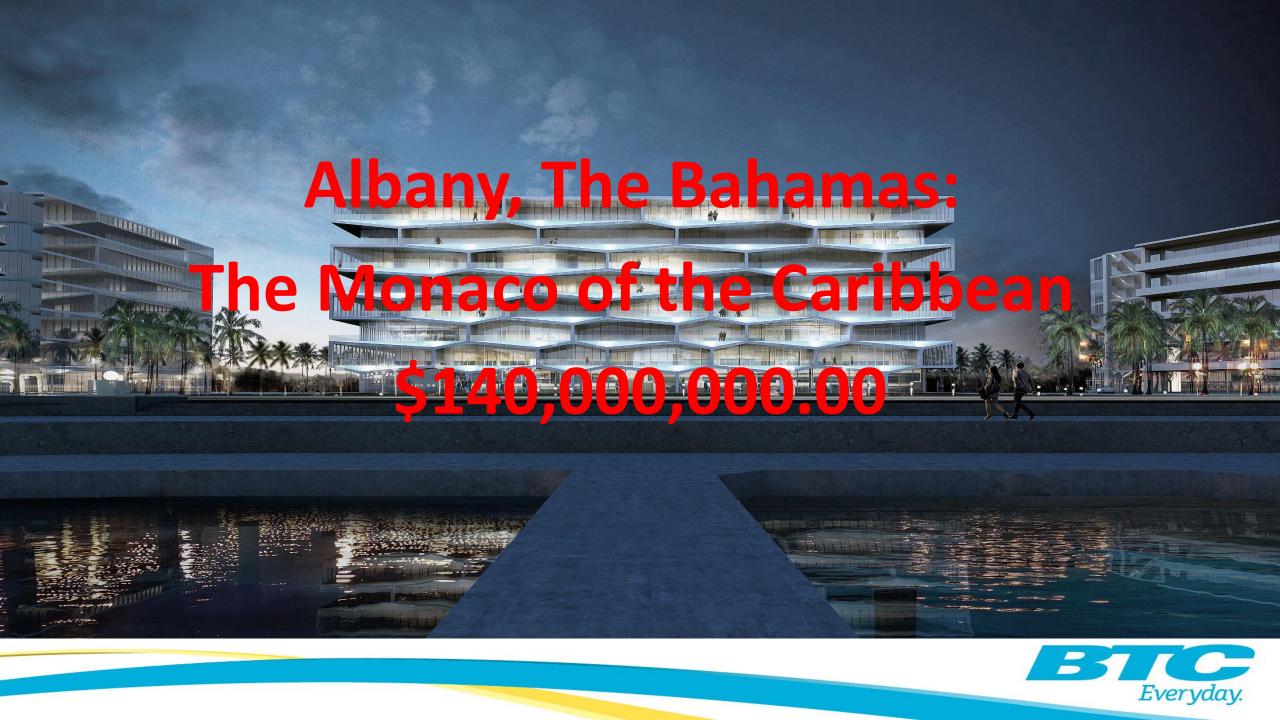
















Connectivity



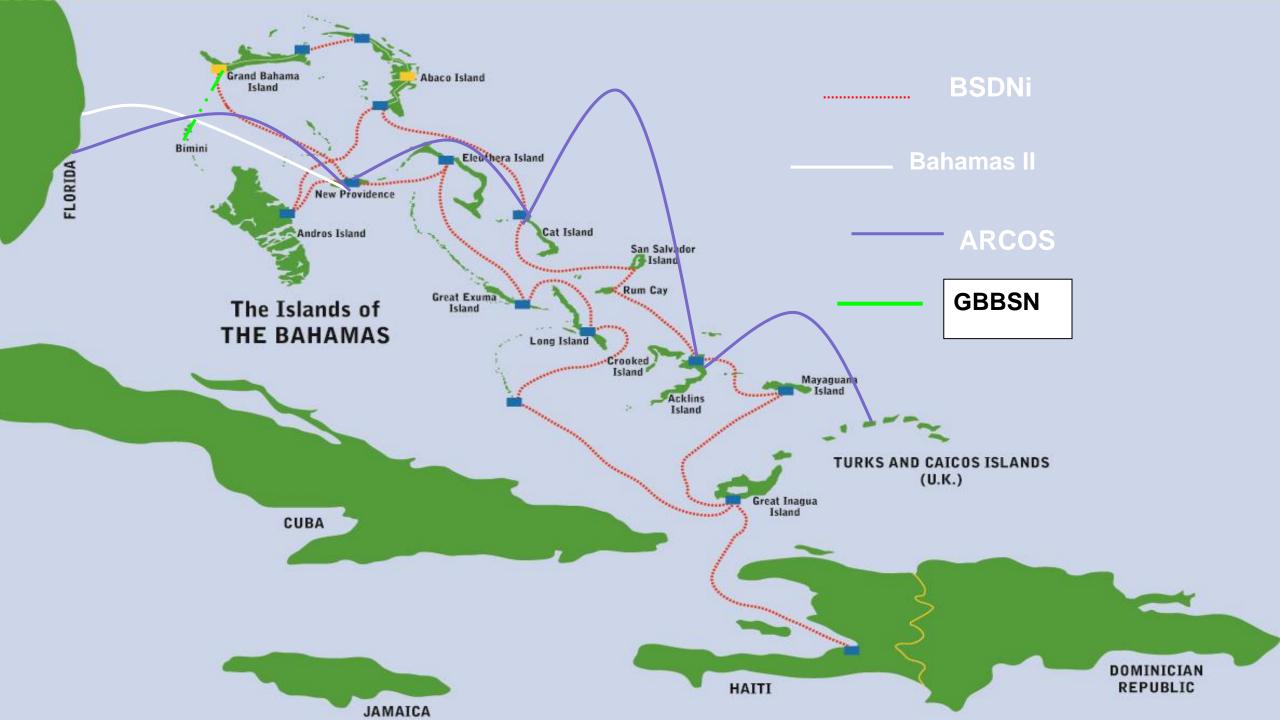














Smart Public Transportation





Huawei Global Experience Envision Your Smarter Safe City





Huawei safe city solutions have served 400M people in 100+ cities, 30+ countries.



That's all Folks



Bluetooth Technology

Daughter & Adopted Son















Twin Daughter #1

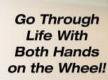
Grand Daughter #2 & 3







Son # 1 Deceased





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The beauty of the Caribbean