

# 10X دبي

## WEEKLY SPEED READ

**Vision: Be 10 years  
ahead of all other  
cities**

**Sep 10, 2017; Volume 20**

# 10X PREDICTION

**Military drones are expected to replace police helicopters by 2025.**

Source

## GOVERNMENT HACKS



### **East Africa**

Leads the world on drone delivery (healthcare)



### **Switzerland**

World's first cyborg Olympics brain race



### **New York**

Drones trialed for traffic and parking monitoring



### **Japan**

Virtual graves and robot priests running funerals



### **China**

Quantum submarine detector could seal South China Sea



### **Hong Kong**

Art-inspired QR codes let tourists lead self-guided tours



### **Denmark & Europe**

Parked electric cars earn \$1530/yr from power grid

# DISRUPTIVE COMPANIES #TAGGED



## #Amazon

New curriculum using digital assistants and text messaging



## #KFC

Customers can pay with their face



## #University of North Texas

Flying cell towers aiding in search and rescue disasters



## #University of California, Berkeley

AI tracking bitcoin to curb illegal sex trafficking



## #Duke University

Portable diagnostic tool detects disease in 15 min. with smartphone



## #Statwig

Blockchain used to make sure vaccines are safe



## #University of Washington

Eye scans to detect cancer and Alzheimer's with selfie

## These Soft Drivers Are Critical to the Success of Future Cities

#Citizen Engagement #Smart City #Partnerships



Although technology is often seen as the main engine for future connected cities, Copenhagen's smart city incubator's new research reveals that there are other 'softer' drivers at play. They include: citizen empowerment, open and experimental collaboration, and rewarding the intangible.

**>> Read More**

Pain point addressed

Optimizing citizen experiences in connected cities.

Key insights

1. City services become transparent, empowering, and citizen-driven, e.g. residents provide feedback for the new Dubai 500km bicycle lanes. 2) A collaborative ethos between incubators and partners for sharing data and values, e.g. for real-time parking information so residential permit holders can release their spaces when not in use, to reduce traffic. 3) Breaking free from a solely profit-driven model to collective equity between partners.

# Estonia Wants to Launch Its Own Government Cryptocurrency

#Finance #FinTech #Secure Government Services



Estonia, the first to offer people in the world an e-residency, now wants to issue its own virtual currency with the help of Ethereum founder Vitalik Buterin, launching 'estcoin' via crowdfunding. An initial coin offering (ICO) is similar to an initial public offering (IPO) but the investment is more personal.

[>> Read More](#)

Pain point addressed

The debate over a national digital currency.

Key insights

A government supported ICO would provide not just investment, but also more expertise and ideas to help the nation grow exponentially. The estcoins could be used for smart contracts, secure voting, running an e-business, and more. (Recently, China is halting ICOs, Russia wants to regulate bitcoin as a financial asset instead of as a currency, and DFSA launched a Fintech agreement with Hong Kong ahead of its FinTech Summit.)

# Intergovernmental Collaborations: Pipedream or the Future of Public Sector?

#Intergovernmental Collaborations #Innovation Incubators



Six UK ministries convened around boxes of Legos and cartons of crayons to discuss how technology could help meet the growing needs of their ageing constituents. Instead of debating competing agendas, they began to share, sketch, and build ideas with others they would rarely have engaged otherwise.

**>> Read More**

Pain point addressed

Greater intergovernmental collaboration and policy co-creation.

Key insights

Advice: 1) Extensive on-boarding in policy lab approach. 2) Do the unconventional: moveable whiteboards, tactile and colorful prototyping materials, meeting in hospitals or patient's homes. 3) Focus on affected citizens rather than just big data/reports. Let citizens share their experience, or shadow them for a day. 4) Use iterative prototype and testing. 5) De-emphasize department brand to encourage failure and experimentation.

# These Fossil-Fuel-Free Cities Sure Look Weird (Concept Drawings)

#Infrastructure #Renewable Energy #Public Spaces #Transportation



Imagining future cities tends to be tech-dominated but Utrecht University's Urban Futures Studio invited artists, makers, designers, and urban thinkers to join the Post-Fossil City competition and unlock new city landscape ideas. Could Dubai create similar design competitions imagining the city, e.g. post-Expo 2020?

**>> Read More**

Pain point addressed

Imagining future city landscapes.

Key insights

Winning contestants include: 1) Wind-harvesting mothership - a huge drone-based wind turbine that would tap into 200 mph winds, transferring energy via battery-storage drones to ground hubs. There, drivers could plug into electric vehicles. 2) Sleek solar canopies for bridges, highways, athletic fields, and public-transit systems so people could find areas of full sunlight. At night, canopies could emit light, painting the streets with glowing colors.

# A Vision Map for Finding Skills in the Future of Automation

#Unemployment #HR #Job Automation #Retraining

Considering a career change? Here are occupations that require similar skills to chartered and certified accountants. Beneath each heading are the most sought-after skills for that occupation. Skills in grey are those which are frequently requested for your own occupation, and therefore you may already possess these skills. Skills in black are new skills that you may need to acquire. Some occupations have few close alternatives, while other



A need for a Skills Map is growing to stay ahead of a future of job automation and newly invented industries. Nesta is experimenting with an automated prototype that show the skills needed to reach a particular occupation, as well as existing workers new paths they need to transition between jobs.

>> [Read More](#)

Pain point addressed

Preparing for job automation and mass unemployment.

Key insights

The Skills Map will need to easily identify relevant new skills so the current prototype takes input data from online job adverts nationally. In addition to social protections for the unemployed in the future, policymakers will need to design policies that encourage workers to acquire skills as jobs transition. The map shows insights tailored to individual occupations but also tells us skill demands at the national level.



# MORE DISRUPTIVE TRIGGERS...



**Pilotless Planes Could Save Airlines  
USD \$35 billion**



**Cities With New Ways to Harness  
'Hyper Diversity'**



**Can a New VR Entertainment Center  
Help VR Reach Mainstream?**



**Practical Examples of How Blockchain  
Will Be Used in Legal Firms**



**A Path for 139 Countries to Wean Off  
of Coal by 2050**

## Is Your Team Proficient in the 3 Cs of Innovation?

Does your team embrace an innovation culture of critical thinking, curiosity, and customer-centric design?



**Assess your team's proficiency by answering the questions below:**

- How many new ideas did the team suggest during this meeting?
- Were the new ideas based on what our entity wants to achieve or the problems our residents are experiencing?
- When someone suggested a new idea, how long did it take for others to begin listing reasons why that idea wouldn't work?
- Did the team have any cognitive biases such as overconfidence or group think?
- How often did the team make decisions based on long-standing assumptions about our residents?
- How often were new ideas evaluated by their ability to impact the lives of our residents?

Reference: Innovation Management



**Cyborg Olympic games at Expo 2020:** Collaborate with Zurich's cyborg Olympics to provide paralyzed athletes a competition to speed their avatars across the finish line.



**Future mega-skills hiring platform:** Create a national mega-skills hiring platform to support 'soft landings' for the unemployed due to job automation. This platform helps people find ways to transition to new skills and helps with temporary short-term jobs.



**Intergovernmental innovation incubators:** Prevent bureaucracy and competing agendas for resources. Instead, create unconventional user-design collaborations between government ministries to co-create next-gen policy.



**Education -digital assistants and text messaging:** Use Amazon's new educational software. A.I. digital assistants help students write longer essays and help make learning fun and interactive with chat-fiction apps, and story-text messaging.

**LATERAL THINKIN'**  
helps build the innovative mindset

We hurt without moving.  
We poison without touching.  
We bear the truth and the lies.  
We are not to be  
judged by our size.

What am I?

Source

Solution

## ABOUT this *WEEKLY SPEED READ*

- This Weekly Speed Read is to inspire and inform Dubai's 10X teams on latest disruptive developments and enablers from around the world

How satisfied are you with this newsletter?



Extremely Unsatisfied



Unsatisfied



Neutral



Satisfied



Extremely Satisfied

- **Contact:** For any questions or feedback on this newsletter please email: Dr. Sayd Farook