

10X دبي

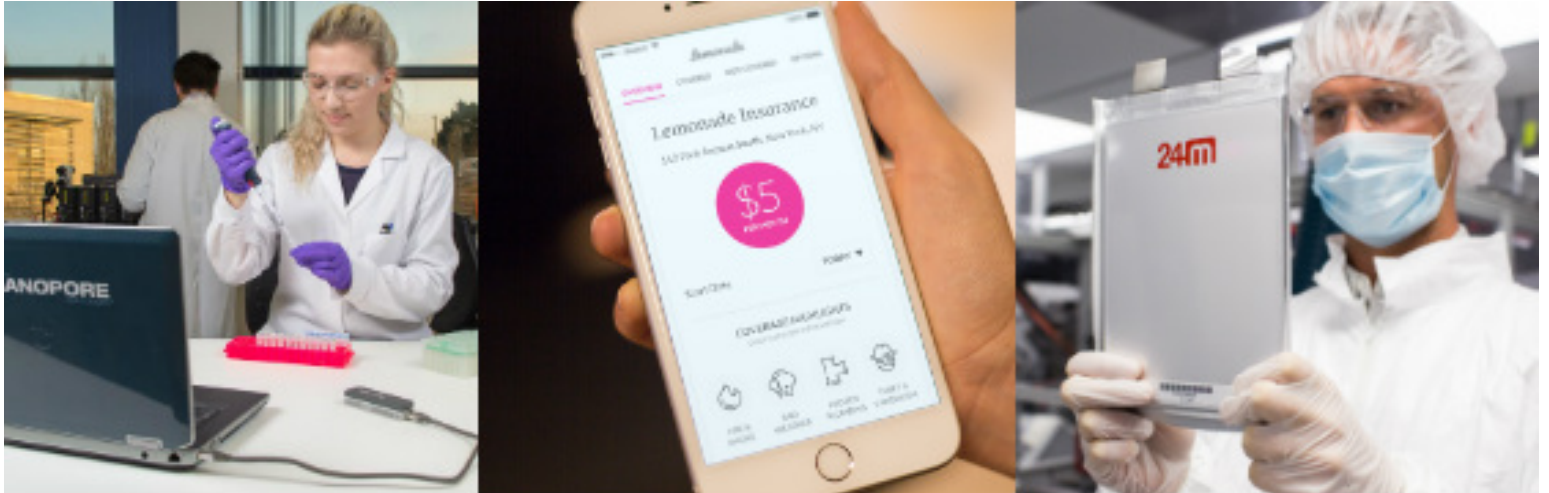
**WEEKLY SPEED
READ**

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

April 3, 2017; Volume 2

Innovators to Watch in 2017 in Energy, Health, Data, and Financial Services

#Finance #Data #Health #Energy



The Innovation Leaders research team identified 15 upcoming companies for 2017's list that are already making a significant impact, inventing new technologies, applying new business models and creating value that may have global influence. >

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Pain point addressed

Watching out for companies with potential global influence

Key insights

Highlights: 1) Financial services - smoother payments, new insurance models, peer-to-peer lending in the insurance world, and on-demand insurance from your phone. 2) Energy: sustainable saltwater batteries and carbon dioxide separation technology. 3) Healthcare - DNA sequencing in real-time with no capital cost, a new class of medicines made of messenger RNA, and a biology-driven approach to drug discovery.

Real-World Learning: NASA Enlists Teens for Smart City Research

#Education #Workforce #SmartCity



Middle school and high school students in the US and throughout the world are amazingly helping NASA develop CitySmart through the World Bridge Program. The students worked on the prototype to contribute to the development of an earthquake early warning system.

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Pain point addressed

Preparing the smart city industry with a viable workforce

Key insights

It's amazing to see kids perform at a professional level given the right environment. Students in the program are not only learning how to use technology and develop specialized skills, they're also confronted with the real world of project deadlines and budgets. And that depth of experience will make them invaluable members of the smart city workforce. This can aid in Dubai's 2071 goals of advanced technology education.

"Alexa, How Do I Renew My Car Registration?" Virtual Assistants for Government Services

#CitizenEngagement #Municipalities



The US launched a pilot program for government agencies to set up virtual assistants, powered by machine learning and AI. In the future, citizens seeking government services might not flock to websites. Instead, they might ask Alexa, Siri, or chatbot for help.

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Pain point
addressed

Dramatically improving seamless
access to government services

Key insights

It's not just putting government services into a chat bot, it's about asking what problems government agencies have that aren't being met, that just so happen could be met through AI. They're also learning how federal data can be presented so it's accessible to virtual assistants. The pilot program is also providing the policy, accessibility, security, and privacy guidance needed to build a virtual assistant.

Winners Of The 2017 World Changing Ideas Awards: From Courtroom Redesign to Plant-based Healthy Burgers

[#DataSecurity](#) [#Health](#) [#Courts](#)



Fast Company announced the winners of the World Changing Ideas Award. They sifted through 1000 impressive entries from around the world, crowning 12 winners and 192 finalists - ideas ranging from a courtroom redesign to plant-based burgers sold in the meat section.

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Pain point addressed



Seeking innovative enablers

Key insights



Highlights: 1) Microsoft, exploring underwater data centers. 2) CannonDesign is improving fairness in bond court by redesigning its physical space. 3) Project Interzone, dividing a city into three time zones (2 hours apart) to reduce traffic. 4) Beyond Burger, the world's first plant-based burger that looks, cooks, and tastes like fresh beef, stocked in your grocery's meat section.

Addressing Traffic Woes - A Modular Urban Land and Air Transport System Unveiled

#Transportation #RTA



Airbus and Italdesign unveiled their Pop.Up concept vehicle at the Geneva Motor Show last week – a modular ground and air transport system. It's essentially a car paired with a drone that can swoop down, pick it up and transport passengers far above the traffic below.

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Pain point addressed

Solving traffic problems in disruptive ways

Key insights

When traffic becomes too much, passengers can call on its drone to come and pick up the capsule, essentially become an autonomous urban air vehicle. Both air and ground modules then return to the charging stations to wait for their next customers. It's exciting, but it's likely to remain a concept for now. Airbus says it might one day be able to pair with systems like Hyperloop.



USA

DARPA let's AI 'grow up' to learn and collect data



China

Central bank developing its own digital currency



Norway

Half of all new cars are electric or hybrid,
through incentives



New York

Mansion tax push to fund affordable housing for
city's seniors



Boston

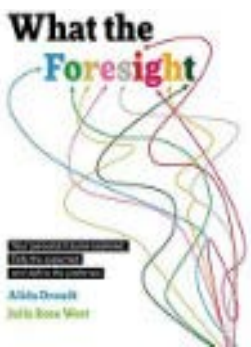
New 15-year transportation plan for multiple
modes of travel

MORE DISRUPTIVE TRIGGERS...

- Cutting Health Care Costs: New \$150 Accurate Cancer-Detection Smartphone Gadget
- The Possible Future of Aid: Edible Drones
- 3 Areas AI is Transforming Banking
- The Silver Thread That Runs Through Future Jobs: Vocational Training
- Future of Service Delivery: Optimized Customer Experience With IoT and AI

TEAM-X

Explore Multiple Futures With This Simple Method



In their recent published book, "What the Foresight," futurists and design strategists Alida Draudt and Julia Rose West describe the mindset, practices, and tools leaders need to explore multiple futures, identifying their preferred future, and then take steps to create it.

Exercise: Fill in the Blank

Below is an "Alternative Futures" template from the book to help your team explore a world in 20 years.

- The year is 2037, ____ (the thing that keeps me up at night) _____ is no longer my concern, due to ____ (action or event) _____.
- Now I am able to focus on ____ (verb) _____.
- I am ____ (feeling) ____ because _____.

Reference: "What the Foresight," book by Alida Draudt and Julia Rose West

DISRUPTIVE COMPANIES #TAGGED



#Neuralink

Linking human brain with computers---to not let humans get left behind



#Boom Supersonic

Raises \$33m for supersonic travel from NYC to London



#Impossible Foods

Scales meatless burgers to 4 million/year (1/8th of greenhouse gases)



#Wright Electric

Revolutionary 150-seat electric plane



#Blue Origin

Flying people to edge of space, and writing its own safety rules



#Natilus

Air freight costs halved with drones carrying carry 200,000 lbs



A global leader in exporting 3D data:

Diversify the economy by exporting data. Start with globally exporting trademarked blueprints of 3D printed homes, with viable ways to purchase the raw materials.



Government services through Alexa:

Provide government information and services through popular virtual assistants, e.g. Amazon's Alexa.



Supersonic flights from London to

Dubai: Partner with supersonic flight and/or electric plane companies to shorten flight time by half.



21st century aid---connect refugees to

jobs: Create an international body that focuses on providing refugees with (physical or virtual) jobs, not just food and shelter, e.g. coding jobs for Dubai companies.



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
- **Contact:** For any questions or feedback on this newsletter please email: [Dr. Sayd Farook](mailto:Dr.SaydFarook)