

10X دبي

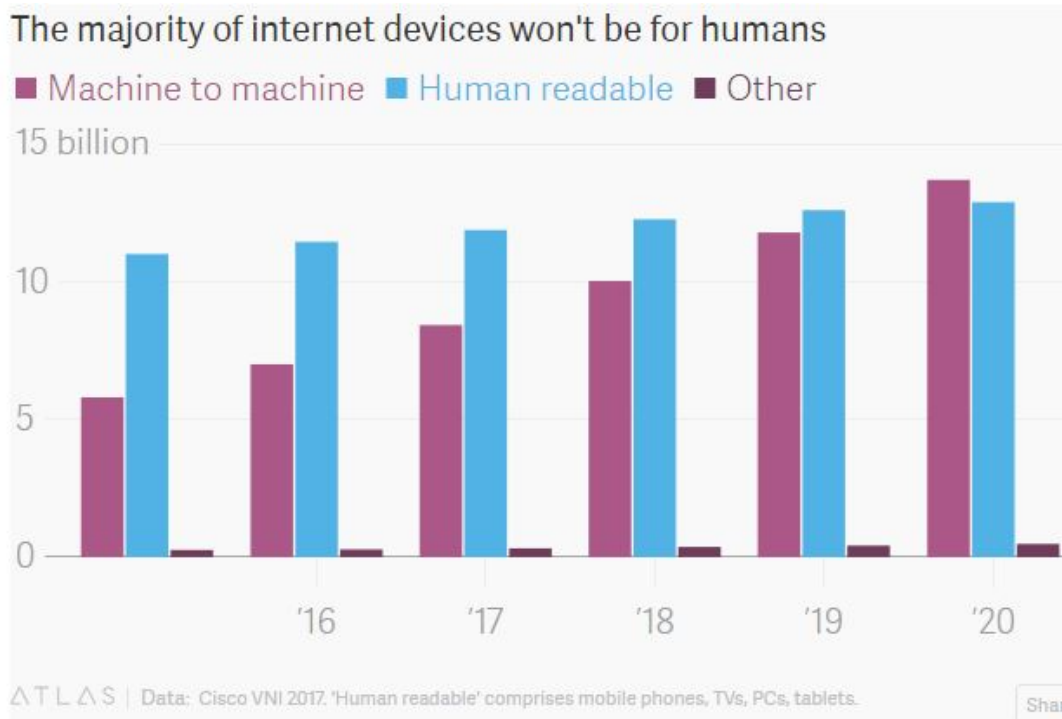
WEEKLY SPEED READ

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

Jul 9, 2017; Volume 14

10X PREDICTION

In 5 years from now, machines will talk to one another (Internet of Things) and will be the internet's biggest population -- Cisco Annual Forecast



GOVERNMENT HACKS



Norway

Unprecedented: ban use of oil for heating by 2020



Finland

Universal Basic Income is already reducing stress



Germany

Vertical farming officially coming to grocery stores



France

World's first autonomous high-speed train by 2023



London

Energy-generating pavement now a reality



China

First country to test national cryptocurrency

DISRUPTIVE COMPANIES #TAGGED



#General Electric

\$1b initiative, proactively preparing an AI workforce



#SpaceX

Launched 2 rockets in one weekend, launching the third



#Waterstudio

New seawall generates power from the sea



#Amazon

Patented a drone skyscraper



#Nokia

Robots managing robots



#Intel

New batch of tech innovations for cricket



#Neva Aerospace

World's first flying quad bike



#Bill Gates

Artificial photosynthesis can produce clean fuel for future cars



#Patty Rangel

Reimagining theater with holograms

Anticipating the Impossible in Innovation (Video)

#Predicting Disruptions #Innovation Mindset



You can be an expert at any of the exponential technologies (e.g. AR, 3D printing, robotics) but that's not enough. Peter Diamandis, from Singularity University, describes how to predict disruptive technologies and new business models to stay at the cutting edge of business and government.

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Pain point addressed

Being amongst the first to launch disruptive initiatives.

Key insights

It's the combination of these technologies and unexpected converging consequences where will see new business models. New projects such as the Emirati fund to fund the next 'Google' are exciting. Entrepreneurs and government leaders will need to 'skate to where the puck will be' instead of 'where it is now' to anticipate when the combination of technologies will surface, to be the first to launch an initiative.

What Are the Skills for Successful Public Problem Solving? (Framework)

#Public Sector Problem Solving #Innovation #Process #Human Resources



Nesta is currently working with leading innovation practitioners from around the world to define the key skills, attitudes and behaviors that public sector innovators combine in order to successfully solve public problems. A new framework is introduced to help governments.

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Pain point addressed

Embedding innovation successfully into existing public operational processes.

Key insights

How can we go beyond pilots and labs? This framework guides the public sector to successful experimental problem solving: 1) Accelerating Learning: experimenting to identify knowledge gaps and informed decision-making in new ways. 2) Working Together: co-creation and collaborative ownership of new solutions. 3) Leading Change: mobilize people, inspire action and ensure strategic outcomes.

Cities Can Go Completely Renewable — and Here's How

#Energy #Sustainability #Process #Jobs #Liveability



The Global 100% Renewable Energy campaign, founded in San Francisco, is the first international platform advocating for total reliance on clean alternatives in cities. This article highlights their published handbook and practical toolkit on transitioning sustainably to 100% renewable energy.

>> Read More

Pain point addressed

Increase livability & green jobs, and reduce energy costs.

Key insights

This could be an opportunity for Dubai to accelerate its 100% renewable goal. Steps: 1) Coordinated efforts to meld renewable commitments with broader environmental goals. 2) Resources from community groups, businesses, utilities, forming coalitions. 3) Chart progress of renewable quality, flexibility, and energy costs. 4) Regulatory frameworks that support energy transitions (e.g. allowing households to generate fuel.) 5) Financial incentives that prompt investment.

Germany to Crack Down on the Digital World's Lack of Regulation

#Digital #Regulation #International Ecosystem



In Mexico City earlier this month, German Chancellor Angela Merkel addressed the lack of regulation within the transglobal digital world, pointing out the relative freedom companies like Facebook, Google, and Amazon enjoy in comparison to those involved in areas such as finance or trade.

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Pain point addressed

Securing the digital world.

Key insights

European officials fined Google a \$2.7 billion for skewing results in their own favor. Merkel stated that the world needs to introduce an international policy to govern Industry 4.0. The need is pressing as the disparate national policies currently in place could prove disastrous. She is working out a consistent policy on how to approach the possible violations of security, privacy, and coercion by internet behemoths. How could Dubai collaborate?

What Governments Can Do to Support Social Innovation (Report)

#Social Innovation #Business Model #Legislation
#Regulation #Finance



Over the last decade, at least a dozen national governments have attempted to design and implement policies for social innovation. In this new paper, Geoff Mulgan from Nesta summarizes some of the key policy tools used or considered to develop a more comprehensive strategy for social innovation.

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Pain point
addressed

Designing policies for social
innovation.

Key insights

Highlights: 1) Designing new legal entities for social enterprises & modernizing laws for charities. 2) Specialized social funds, social impact bonds 3) Mobilizing volunteering and challenge-based funding (e.g. challenge.gov platform). 4) New tools to involve the public in decision-making. 5) R&D funds for social innovation, e.g. Dubai's Humanitarian Accelerator. 6) Problem-solving teams and social innovation labs. 7). New and broader metrics of civil society.

MORE DISRUPTIVE TRIGGERS...



Social Media Giants Formed an "Anti-Terrorism Partnership"



Museum Business Models in the Digital Economy



Biohacking Pioneers Are Redesigning Their Own Bodies



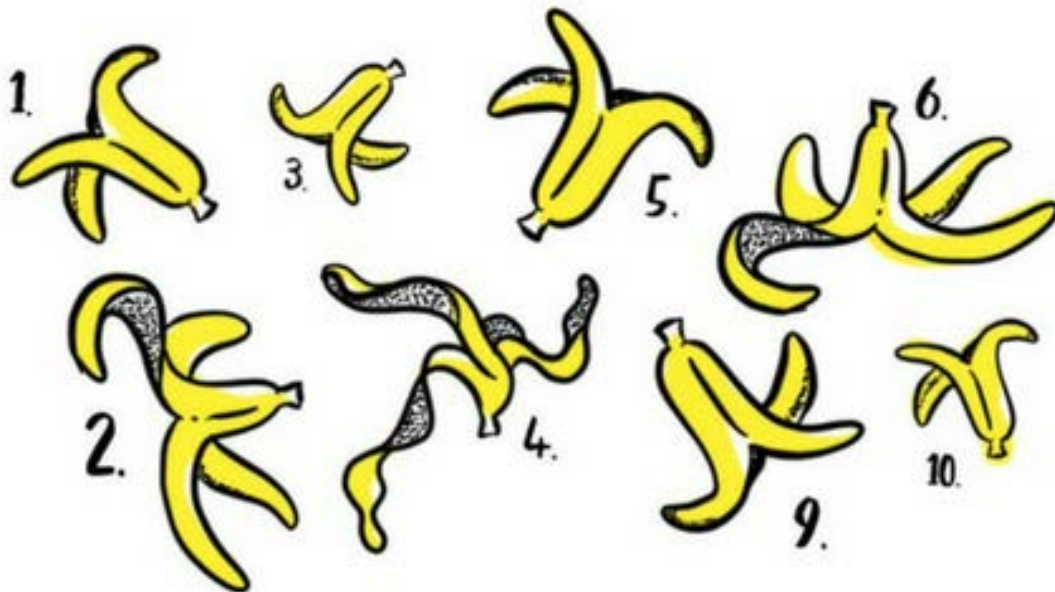
Top 10 Emerging Technologies of 2017



How Facebook Used Science and Empathy to Reach 2 Bil Users

8 Ways to Fail Your Way to Success

Let's take a cue from Thomas Edison quote: "The real measure of success is the number of experiments that can be crowded into 24 hours."



1. Keep it basic: don't start with a fully developed solution.
2. Design impossible tasks: e.g. how might we create a new color?
3. Don't assume your final format.
4. Set a goal for failure: "We will fail at least 30 times before we figure out the right solution."
5. Every time you throw out an idea, start with, "This is a bad idea, but what if..."
6. Every time someone makes a mistake or fails, hit the 'shame' gong.
7. Walk around the room and point at objects and yell out the wrong name for them.
8. Design the WORST _blank_ experience ever. Then use that to design the best version using an insight you learned from the worst.



City-wide 100% renewable energy campaign: Challenge the city to go for one week using only renewable sources. This can be the first step to accelerating the 100% renewable campaign



Next step: going beyond accelerators: Use Nesta's public problem solving framework to start embedding innovation successfully into existing public operational processes. This step requires informing hiring practices, career development and training opportunities, and the right incentives, processes and structures.



Give diplomas for Industry 4.0 majors: Create university majors that give out diplomas in areas such as Internet of Things, Blockchain, Self-Driving Technology, Augmented Reality, etc.



'Failing to succeed' hackathon: Inspired by Thomas Edison, have a "24-Hour Experiments" hackathon with all government entities, to nurture that failing is part of the creative process. The entity with the most experiments wins.

LATERAL THINKIN'
helps build the innovative mindset



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