10X دبي

WEEKLY SPEED READ

Vision: Be 10 years ahead of all other cities

10X PREDICTION

> ## 9.8 billion humans by 2050. Most will live inside the Far-East region.
>
> By 2024, the population of India is expected to surpass China's.

Source

GOVERNMENT HACKS

Himalayas
Artificial glaciers, providing fresh water year-round

Singapore
Entrepreneurs in surveillance have competitive advantage over USA

USA - (Organization for Mayors)
France to apply US learnings to make cities more inventive, agile

Miami
Teenager inspires city to pass solar panels law on all new homes

Russia
New exoskeleton and ballistic protection combat suit

United Nations
Wants urgent action to save coral reefs from climate change

#Great Ormond Street Hospital (London)
2 babies now cancer-free, from gene-editing

#Ubitricity
Making streetlights charging stations for electric cars

#WeChat
Completely automated convenience store (use your phone)

#Helix
DNA app will sequence your genes for $80 USD

#Microsoft + #Baidu
To adopt self-driving worldwide through cloud services

#Paramount Pictures
Hired first 'Futurist in Residence' for future of film

#Cleveron
Cloud-based smart mailbox eliminates waiting

Why Government 'Nudges' Motivate Good Citizen Behavior
#Citizen Engagement #Strategy #Policy

Research by Harvard Business School finds that psychological nudges (or small changes in decision making without changes in financial incentives) can be more cost effective for governments to get citizens to do the right thing, and can motivate behavior much better than ads, fines, or deadlines.

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Pain point addressed	Cheaper and more effective ways to reaching government KPIs.
Key insights	Nudges are a cost-effective way (in some cases more than 40x more effective) of causing people to change behavior and do the kinds of things that government wants them to do, like save for retirement, reduce energy consumption, or schedule flu shots. Nudges are cheap to implement (e.g. making it easier to fill out forms or apply), and easier on the budget, while reaching the same government KPI.

China Plans to Gain Global Economic Dominance by 2030 (With AI)

Last week, China announced a bold scheme to capitalize on AI, to surpass Western nations, making almost $150 billion in the process. The plan includes developing a new gen of AI by 2020, a 'major breakthrough' by 2025, and becoming the world leader in AI by 2030.

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Pain point addressed	Priorities for global competitiveness.
Key insights	PwC suggests AI could add up to $16 trillion by 2030 -about $7tril to come from China. While a decade ago, China had a copycat ecosystem, today that assumption is 100% wrong. Chinese companies are innovating at a faster pace than imagined and one factor is a vibrant entrepreneurial engine and the massive availability of capital (due to govt's strict laws making its wealthy invest nationally only). The message is not to underestimate China's competition.

Linking Human 'Swarm Behavior' with Emerging Technologies

#Human Behavior #Tech #Policy

Our collective human behavior ('swarm') - how we work, eat, and sleep - affects the infrastructure we need in our cities. Scientists have been studying 'swarm behavior' of bees, birds, insects and fishes to understand and apply the learnings to efficient human services design. Now with blockchain and other emerging technologies, the World Economic Forum reflects on how to design, and optimize infrastructure at a whole new level.

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Pain point addressed	Dramatically improving infrastructure design.
Key insights	The combined impact of swarm theory and emerging advanced technologies in infrastructure could have staggering implications to mitigate most critical risks facing us. E.g. Brits used to use peak electricity for tea after watching a popular TV show, but now with the Netflix system, electricity times have been distributed more smoothly. Where politicians, regulators and capital have failed to deliver infrastructure solutions, the swarm with blockchain could deliver better (e.g. electricity sold from one neighbor to another).

What Spain Learned from Sweden's Strategy about Healthy Eating in Schools

Valles, Spain learns from Södertälje, Stockholm, who has found a way to put local, organic and seasonal food on the plates of 24,000 public school students a day. The move boosted local organic farming, cut the carbon footprint of the city's public canteens, and gave kids healthy food.

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Pain point addressed	Eliminating child obesity and unhealthy food habits.
Key insights	Swedish law puts municipalities in charge of public canteens and has a municipal Diet Unit that employs 250 people - including cooks who work for the city and buy food directly from producers. The city has reduced meat consumption in schools by 30% and leftovers by up to 40%. Canteens are part of the solution, as well as bringing together local farmers, cooks, politicians, school principals and civil servants.

A.I. Could Upend the World's Military Power Balance

The most powerful militaries in the world have been those that have nuclear weapons. But a new report from Harvard University's Belfer Center for Science and International Affairs suggests AI could soon surpass nuclear weapons as the world's greatest military threat.

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Pain point addressed	Monitoring next-gen tools for new military power.
Key insights	The report suggests that AI could give smaller countries unable to amass big armies or develop nuclear weapons a way to rival even superpowers militarily (e.g. finding ways to neutralize military drones and missiles with cyber defenses.) The report also argues institutions need to soon figure out an international framework for regulating AI-based weapon systems, e.g. killer robots, since cyber warfare won't be going away.

How to Effectively Respond to a Hack When It When It Happens

Refugee Camps Now Becoming Permanent Cities - Can They Be Smart Cities?

VC - A Computer Predicted Which Startups Would be Successful. Amazing Results

How concrete can act as a sponge for air pollution

Sucking Up CO2 Will Cost Hundreds of Trillions

How to Design a Culture that Values Experiments/Failure

Startup Professionals CEO, Martin Zwilling, shares his key principles for entrepreneurship success based on a culture of learning from failures:

- Incentivize stepping outside of your comfort zone.

- Eliminate penalties from failed experiments.

- Encourage a strong learning culture.

- Hire based on learning experiences, rather than skills only.

- Establish mentoring and coaching relationships.

- Clearly assign development responsibilities and measure results.

Reference: Inc Arabia

Hiring a 'Futurist in Residence' for Dubai films: Encouraging filmmakers in Dubai to portray scenes from the future, designing the future, with a 'Futurist in Residence' employee on board. Perhaps coordinating with the Museum of the Future on this.

Solar panel law to all new homes: Passing a law requiring solar panels on all new homes.

Driving investments locally and nationally: Passing a law requiring the city's wealthiest to invest locally and nationally. This would keep capital in the country and strengthen its venture capital ecosystem for the city's future unicorn companies.

Streetlight charging stations for electric cars: Preparing for electric cars with streetlights or roads that charge electric cars.

LATERAL THINKIN'

helps build the innovative mindset

Four friends were walking. It started to rain so they began to run. Three of them got soaking wet hair, but one of them didn't, even though he was not wearing a hat or carrying an umbrella; neither did he stop to take shelter.
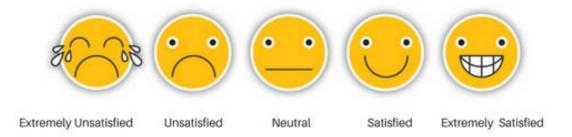
How could this be?

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