

10X PREDICTION

By 2050, we will no longer need to kill any animals for meat.

Raising animals for meat may be a forgotten practice.

[>> Source](#)

GOVERNMENT HACKS



>> Illinois, USA

Experimenting with blockchains to replace physical birth certificates

>> USA

Over 100,000 smart licence plates, with wireless connectivity

>> Estonia

AI as a possible separate legal entity, to ensure ethical/sustainability

>> UK

Challenges companies to develop tech to cut freight emissions

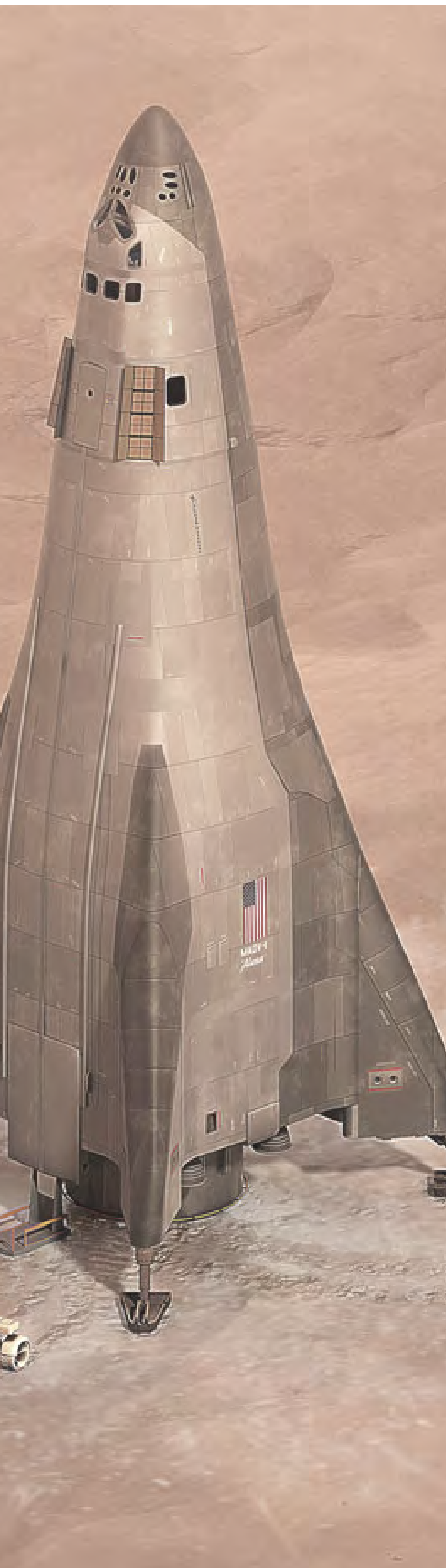
>> Paris

Reinvent Paris: design competition for under-utilized city spaces

>> USA

2 states restrict who can order consumer DNA testing, and its marketing





DISRUPTIVE COMPANIES

- >> **#Lockheed Martin**
Unveiled plans for reusable Martian lander
- >> **#Wallstreet**
To move trillions to blockchains in 2018
- >> **#Ford and Lyft**
Companies partner to bring self-driving cars to the masses
- >> **#Center for Disease Control and Prevention**
May use blockchain against deadly epidemics
- >> **#Wish Finance**
Approves or declines business loans in real time, through blockchain
- >> **#HRL Laboratories**
Prints 3D super strong aluminum (faster/cheaper industrial parts)
- >> **#Goldman Sachs**
Considering ways to facilitate trading of cryptocurrencies

DISRUPTIVE TRIGGERS

The header features a stylized illustration. At the top, a window with a grid pattern is set against a red background. Below the window, a hand with fingers spread is shown holding a document with various shapes and colors (white, brown, red) scattered on it. The background is a mix of red, grey, and white patterns.

Illinois vs. Dubai: 2 Experiments Bring Blockchains to Government

#Efficiency #Transparency #Blockchain #Experimentation

Promises that blockchain can reduce red tape and speed up delivery of services has persuaded governments to launch public-sector blockchain experiments. Two of the most enthusiastic early adopters have been Illinois, USA, and Dubai. These two have adopted very different strategies:

[>> Read More](#)

Pain Point

Experimenting to improve government service efficiency.

Key Insights

In Dubai, there is a highly centralized approach with a single software platform through which agencies will launch many blockchain projects, e.g. first government to launch official cryptocurrency - [EmCash](#). Illinois' process is experimenting with separate projects, each with its own technology provider to find the best fit and platform for particular needs. Right now, Illinois is not too concerned with how easy pilots will work together.



Elon Musk Wants to Build a 'Self-Sustaining City' on Mars

#Space #Travel # Airlines # Interplanetary Living

Elon Musk released his vision to build a 'self-sustaining city' on Mars as early as 2024. Furthermore, his 'BFR' (rocket), that he thinks they have figured out how to pay for, would not only be for Mars but also to [replace airplanes](#) on earth, at the same economy fare (e.g. NY to Shanghai in 24 minutes).

[>> Read More](#)

Pain Point

Monitoring space technology developments and predictions.

Key Insights

Musk admits his timeline is somewhat 'aspirational.' Others are skeptical because: 1) The idea depends on lowering trip costs to Mars by 5 million percent (with reusable tech). 2) Mars temperature drops about 0°C during the day to nearly -120°C at night. 3) There is up to 4 times the amount of radiation exposure. It will take some big, bold ideas - and Musk certainly qualifies.

Is Dubai's aviation industry interested in investing in rocket airplanes?



Can We Leapfrog Education Innovations to Rapid Progress?

#Education Reform #Innovation #Future of Work

With our fast-changing world, it is not exactly clear what skills children will need to become constructive citizens, but we do know that we have to tackle two main challenges: skills inequality and skills uncertainty. A recent report by The Brookings Institution suggests a leapfrogging approach to addressing these.

[>> Read More](#)

Pain Point

How can we leapfrog to 21st century education models?

Key Insights

Suggestions: 1) Nurture student discovery, focusing on topics that will shape their lives. 2) Allow students' skills to progress according to ability. 3) Find out what work skills students will need. 4) Employ people to unburden teachers and contextualize learning. Help teachers develop their skills. 5) Instead of using tech to digitize current worksheets, redefine new models for education. 6) New models of assessing student skills. 7) Share cost data so policy makers can scale innovations.

As [Dubai school inspections](#) are taking place, what new metrics do we need for education reforms?



Solve More Crimes with Social Media Crowdsourcing Surveillance

#New Tools # Social Media #Citizen Engagement

Most government entities aren't in the mindset of turning to their 'social media person' for a campaign or platform that could help solve their problem, but social media can be used in sophisticated ways to support the entity's mission. Kristy Dalton, CEO of Government Social Media, gives us some examples.

[>> Read More](#)

Pain Point

Looking for new tools to solve problems better.

Key Insights

Your department can likely use social media to contribute to a solution, relate to citizens, build trust, or humanize government. One popular example is how law enforcement can help solve crimes in the community by using social media to crowdsource surveillance footage. That's what the police department in Utah, USA does with their "Tattletale Tuesday posts on Facebook, which alerts followers of unsolved crimes.

Spotify.Me

You Are What You Stream

Why Does Sweden Have So Many Startups?

#Economic Growth #Entrepreneurship #Job Creation

How can Stockholm produce the 2nd highest number of billion-dollar tech companies per capita, after Silicon Valley? How did a high-tax, high-spend tiny country like Sweden breed many vibrant startups with high survival rates? Alana Semuels from CityLab explains the case study of Sweden since 1990.

[>> Read More](#)

Pain Point

How to breed a vibrant startup hub with high survival rates.

Key Insights

In Sweden: 1) Startups compete with established firms. 2) Some public services became privatized. 3) Targeted tax cuts: corporate tax, inheritance tax, tax on the wealthy, and tax breaks for startups, e.g. who gave their employees a home computer (for internet). 3) Opened up foreign competition, who then bought Swedish businesses. 4) Invested early in fast internet service. 5) University and health care is free; childcare is heavily subsidized, which helps entrepreneurs feel safe to take risks.

As UAE is nurturing a [robust tech startup hub](#), what lessons can we take from this case study?



MORE TRIGGERS

>> Beyond Sugar Tax: Govts Must Educate and Improve Access to Healthy Foods



>> Chatbot Makes It Easier to File Formal Complaints with the Police

>> London Design Festival Featuring Mini & Shared Living in Urban Landscapes

>> ReStreet App Invites You to Weigh in on Street Design - Post Self-Driving Cars



>> What is the Market Impact of Patents? (Incentivizing Innovation)

TEAM-X

Counterintuitive Secrets of Successful Innovators



Innovative Superpowers

Many perspectives

- Understand the problem from many perspectives (users, organization, market hurdles).

Articulate well

- Articulate ideas well - learn how to pitch a good idea presentation.

Slow down

- Don't speed up. Slow down. Take time to see patterns and gather insights.

Recharge

- Use outside interests to unplug and recharge.

X-LAB MOONSHOT IDEA BANK



Special breaks for startups/firms

Special breaks and advantages to firms who can provide employees with free home and work access to emerging tech, e.g. AI, AR.

AI, or emerging tech, as a separate legal entity

Legal framework ensuring emerging tech can be developed in an ethical and sustainable way. e.g. who can order DNA testing or gene editing, and how it can be marketed.

Ideas for new blockchain and smart projects

E.g. smart licence plates; replacing physical birth certificates; approving loans instantaneously.

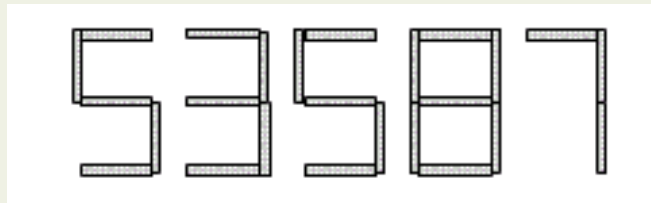
New metrics for inspecting schools

Create new metrics when inspecting schools to ensure bold education reforms are met in 1) what students learn and 2) how students learn it.

10X FUN

Lateral thinking helps build the innovative mindset

A researcher examined many thousands of Appeals Court cases and then fashioned this number out of 25 matchsticks. Change the position of one matchstick to explain what this number represents.



[>> Solution](#)

[>> Source](#)

Please rate this newsletter



Extremely Unsatisfied

Unsatisfied

Neutral

Satisfied

Extremely Satisfied

About the 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 at Sayd.Farook@teo.ae