

VISION: BE 10 YEARS AHEAD
OF ALL OTHER CITIES

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Image credit: Lucacurci

10X PREDICTION

**Global gasoline demand could peak by 2030
- up to 10 years earlier than expected.**

At least, it could if electric-car adoption plays out the way some experts think it will.

>> [Source](#)

GOVERNMENT HACKS



>> California

Self-driving cars on the roads in 2018

>> Beijing

In talks to take direct control of tech giants with 1% stake

>> London

Futuristic pedestrian crossing, adapting signals to user needs in real-time

>> USA

Legislation would allow companies to hack back after being hacked

>> Kuwait

Plans for mandatory DNA database cancelled (ruling: liberty violation)

>> Italy

Architects unveiled concept design for a contained vertical city





DISRUPTIVE COMPANIES

>> #Lotos Network

Blockchain to ensure Buddhist temples use funds properly (prevent corruption / embezzlement)

>> #Lappeenranta University of Technology

Made food from electricity - possible solution to world hunger

>> #Propy

First house bought with blockchain (in Ukraine)

>> #IBM

Blockchain for cross-border payments - saving costs

>> #Lufthansa

Trials in-flight grocery shopping and home delivery service

>> #Imagene Labs

Analyze patients' genes to recommend how to eat and exercise

DISRUPTIVE TRIGGERS



How Microservices Can Help Build a More Agile Government

#Real-Time Services #Agility #Responsive #Process #Citizen Needs

85% of US citizens said they expect 'the same of higher quality' from government digital services as they do from commercial organizations. This has turned up the pressure on government to deliver without an increased budget. NextGov suggests microservices as a solution to being more responsive to citizens.

[>> Read More](#)

Pain Point

Our IT systems are not agile enough to keep up with citizens' needs

Key Insights

Government must increase its IT agility without compromising security. 1) Speed up project delivery by breaking down siloed legacy systems into smaller, independent, services. 2) Enable secure data exchange, which is easier with a microservice architecture, to coordinate together to deliver citizen experiences. 3) Center the approach around APIs to increase agility and responsiveness to citizen's changing needs.

Do you find that you want to respond to real-time citizen needs but your IT systems can't keep up?



Smart Cities Are Boring. Give Us Responsive Cities.

#Smart City #User-Centric #Happiness

Cities may be getting smarter, but many haven't noticeably changed from a user perspective. It seems like cities have been focused on city operations (e.g. better identify water leaks; predicting a failed building inspection), than what people can see, and use. Colin O'Donnell, CIO of Intersection provides suggestions.

[>> Read More](#)

Pain Point

How to take smart city initiatives to the next level.

Key Insights

Cities will go through 3 phases: see (collect data), think (process the data), and do (take corresponding real-time action). The Responsive City responds in real-time to the needs, wants, and desires of citizens. These apps will focus on manipulating infrastructure or predicting and influencing behavior to optimize safety, convenience, discovery, joy, or community.

With the upcoming [WGES Summit in Dubai](#), which smart city applications can be directly responsive to citizens' use.



The Secrets of Google's Moonshot Factory

#Innovation #Business Model #Innovation Culture #Failure

The people at Alphabet's Moonshot Factory have a particular talent: they dream up far-out answers to crucial problems: houses on oceans, space elevators, huge connectivity balloons, and cold fusion. Its purpose is to see if they can create the next Google. This article reflects on their formula.

[>> Read More](#)

Pain Point

Monitoring best practices for 10X innovation results.

Key Insights

The geeks team up with former entrepreneurs, business strategists, designers, and user-experience researchers to generate 100+ ideas/year, kill the weak ones (through a Rapid Evaluation Team consisting of creators), and bring the most promising products to audiences. It also has high risk experimentation and failure, with financial rewards for shutting down projects, and a 'Day for the Dead' projects celebrated.

The recent introduction of [HBMSU's Master in Innovation](#) course and 'Tech Town' [agreement with China](#) are a great start to providing talent.



Why Jobs of the Future Won't Feel Like Work

#Jobs #Productivity #Future of Work #Innovation

David Lee, Innovation Leader at UPS, believes the response to job automation should be led by us (the industry). We only have 10-15 years to transition into new kinds of jobs that will still be relevant. We need to change our factory mindset of defining careers around procedural tasks (e.g. loan processor).

[>> Read More](#)

Pain Point

How to survive the next mass job extinction most effectively.

Key Insights

We have narrow jobs that can easily be displaced by robots, and have boring working lives. Lee believes that new jobs will come from today's 'analysts and specialists,' but only if we give them the freedom and protection that they need to grow into becoming explorers and inventors, by bringing their 'Saturday fun, passionate and talented self' to work. Also, Jack Ma from Alibaba believes that most people will only work 4 hours/day, 3 days/week, and still feel very busy.



The New 'What Works Centre' for Children's Social Care

#Children's Social Care #Minors #Social Protection

The UK announced a commissioning to incubate a new 'What Works Centre' for Children's Social Care, to be a fully independent entity by 2020. The Centre will develop a strong evidence base around effective practice systems in children's social care, and will support implementation.

[>> Read More](#)

Pain Point

Improving services for the children's social care sector.

Key Insights

The Centre is to foster change in the culture of the children's social care sector, using a user-centered design approach. The goal is to improve outcomes for children by supporting evidence into better practice on the ground. The first priority will be to listen and learn from frontline professionals, the evidence and research communities, and from children and their families, drawing on shared learning at the international level as well.

Can Dubai's children social care sector leverage similar evidence-based practices?

MORE TRIGGERS



>> Driverless Cars Could Let You Choose Who Survives in a Crash



>> Online School Wants to Train Art Students in Cybersecurity

>> New Social-Media Simulator Is Helping Troops Train for Hybrid War

>> 5 Ways Legislation Committees Can Grow the Internet of Things



>> We Say We Want Data Privacy But Will Sacrifice It For Convenience

PROTOTYPE-X

4 Tricks for Getting Better Feedback About Your Prototype Event



1. Do Live Polling

- Use Meetmaps or polleverywhere.com to show real-time results
- Hand out cards, “I like/I wish...”

2. Make Data Visual

- Ask people to use a green door for 'like' and red door for 'dislike'
- Have people choose a pin that they value, relevant to the prototype

3. Observe Cues

- Provide a hashtag, then track (Tint can help with this)
- Watch people’s comforting or discomfoting body language

4. Take the Long View

- Ask people if they want to be on a feedback panel going forward
- Provide a platform for ongoing conversation

X-LAB MOONSHOT IDEA BANK



Rapid evaluation teams & failure incentives

Team of idea creators to evaluate dozens of ideas rapidly. Consider financial rewards for shutting down weak projects early.

Legislation to foster IoT growth

Incentives for agencies to use high-tech, data-rich systems, especially for transportation and automotive systems. Consider protecting cross-border data flows through trade agreements. Incentivize hardware and software security.

Prototyping contest within your entity

Design a prototyping contest for your entity allowing employees to invite anyone to build anything they want. This changes the culture that employees are not limited to their job titles. (This experiment overall brought millions of dollars in value to a company.)

Microservices, to respond to citizen needs faster

Speed up project delivery by breaking down siloed IT legacy systems into smaller, independent, services. Use APIs on these to increase agility.

10X FUN

Lateral thinking helps build the innovative mindset



You are in a 1-room empty apartment with no windows or doors. There is a 12" tube solidly embedded 6" deep in a cement floor. At the bottom of the tube is a standard ping pong ball with a diameter that is one millimeter smaller than the diameter of the tube. You have the following items at your disposal:

- * a twelve inch piece of string
- * a match
- * a magnifying glass
- * a 6" ruler
- * a paper clip

Can you find a way to safely retrieve the ping pong ball without damaging it? The tube cannot be broken nor can it be removed from the cement floor.

[>> Solution](#)

[>> Source](#)

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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.

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