

Yuri van Geest (@vangeest)

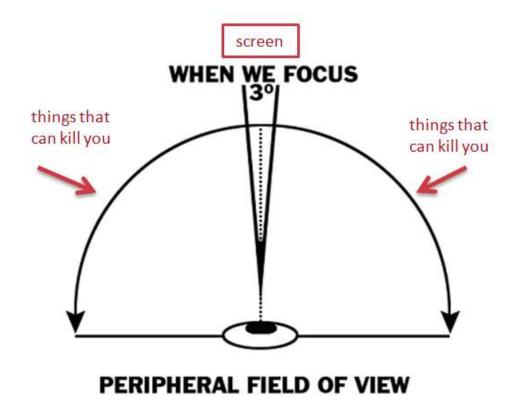
September 2018



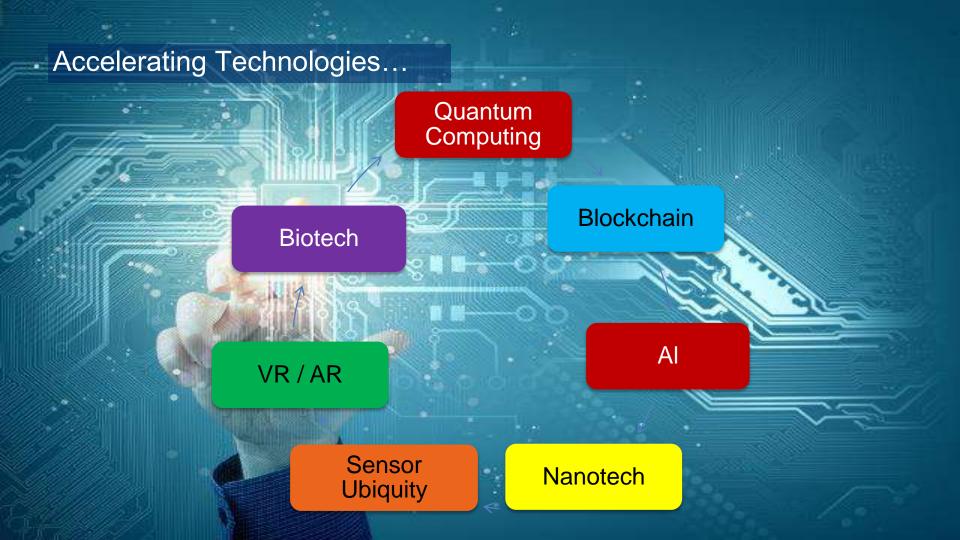




The Best Future Vision Is Peripheral Vision



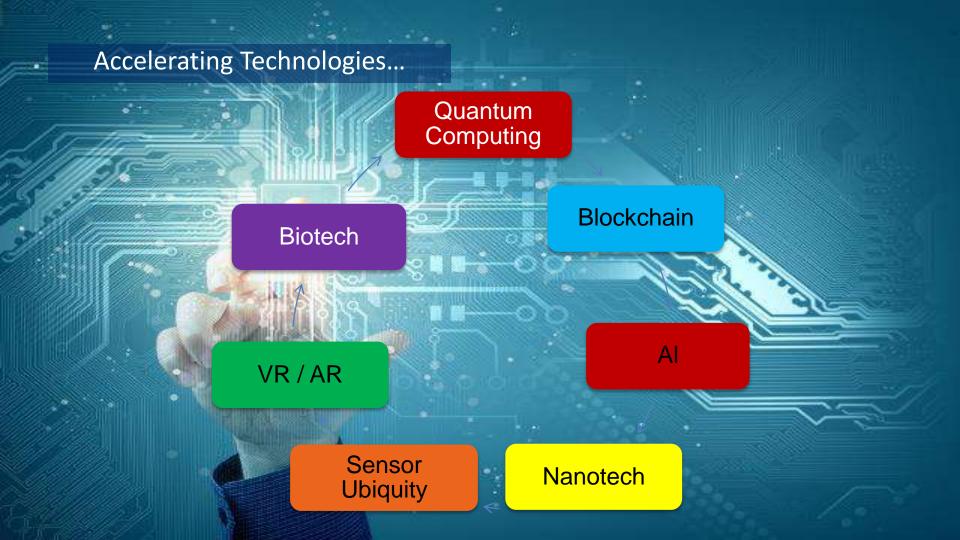


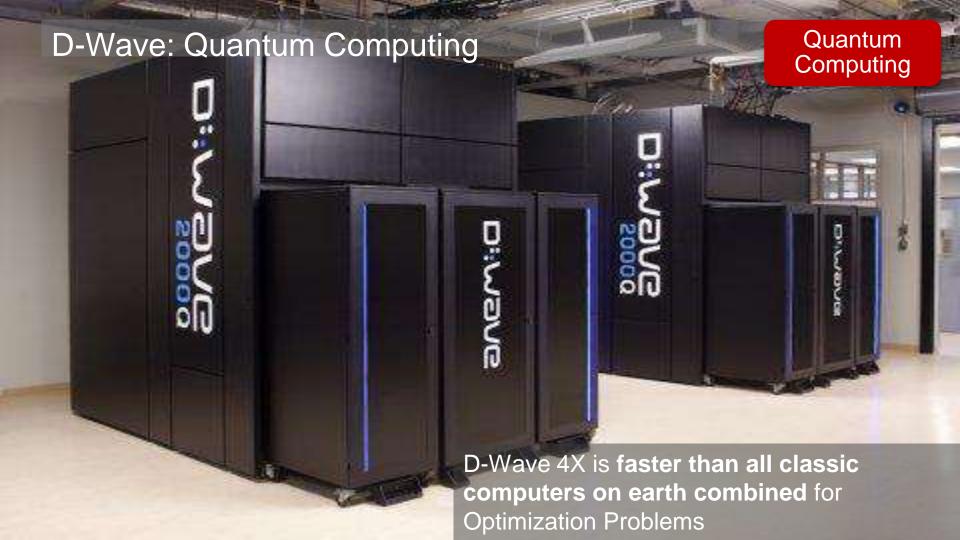


...Drive Exponential Cost Reductions

	Cost (Averages) for Equivalent Functionality	Scale Impact
3D Printing	\$40,000 (2007) to \$100 (2017)	400x in 10 years
Industrial Robots	\$500,000 (2008) to \$1,000 (2017)	500x in 9 years
Drones	\$100,000 (2007) to \$100 (2017)	1,000x in 10 years
Solar	\$30 per kWh (1984) to \$0.02 per kWh (2018)	1,500x in 24 years
Sensors (3D LIDAR sensor)	\$20,000 (2009) to \$79 (2017)	250x in 8 years
Biotech (1 whole DNA profile of 1 human)	\$10,000,000 (2007) to \$100 (2017)	100,000x in 10 years



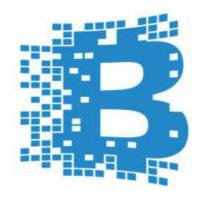








Technology behind Bitcoin allowing for **automated trust** in whole ecosystems and supply chains:



BLOCKCHAIN









ageas

Allianz (II)

Mission is to:

- Improve the way data, claims, capital, payments are disclosed, used, automated and managed
- Focus on value adding client service, risk prevention and risk management
- Make insurance risks more tradeable
- Make insurance more affordable with an improved client experience









Today, we make smart contracts legally enforceable. Tomorrow, we cross the digital-physical divide.

Mattereum is the first Internet of Agreements infrastructure project for legally-enforceable smart contracts, enabling the sale and lease of physical property and other transfers of rights in assets.

Mattereum comprises expert lawyers and programmers and a leadership team experienced in designing and launching nation-scale infrastructure.

Follow us on **Twitter** / Join our **Telegram group** / Learn more on our **Medium blog**.

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You may unsubscribe from marketing emails from Mattereum at any time.





Download the Mattereum draft white paper





What is the Internet of Agreements?

1:

FOR RETAILERS

Engage shoppers at the point of sale with information gathered collaboratively from suppliers all along the supply chain. Substantiate product claims with trustworthy, real-time data.

Learn more



FOR SHOPPERS

Know more about the things you buy. Discover product information "Powered by Provenance" on pack, online and on shelf edges at pioneering retailers.

Learn more

FOR PRODUCERS

Grow your business by competing on the things that matter.

Provenance supports high-quality authentic products made with concern for people, places and process.

Learn more



FOR PARTNERS

Do you work in certification, governance, auditing, or fair trading? Reinforce your work with our data-powered, shopper-facing solutions.

Learn more

Everledger – Blockchain & Insurance case



Crime pays when provenance is broken



\$45 Billion

Lost annually to insurance fraud



10-15%

Of claims paid out that are later found to be fraudulent



65%

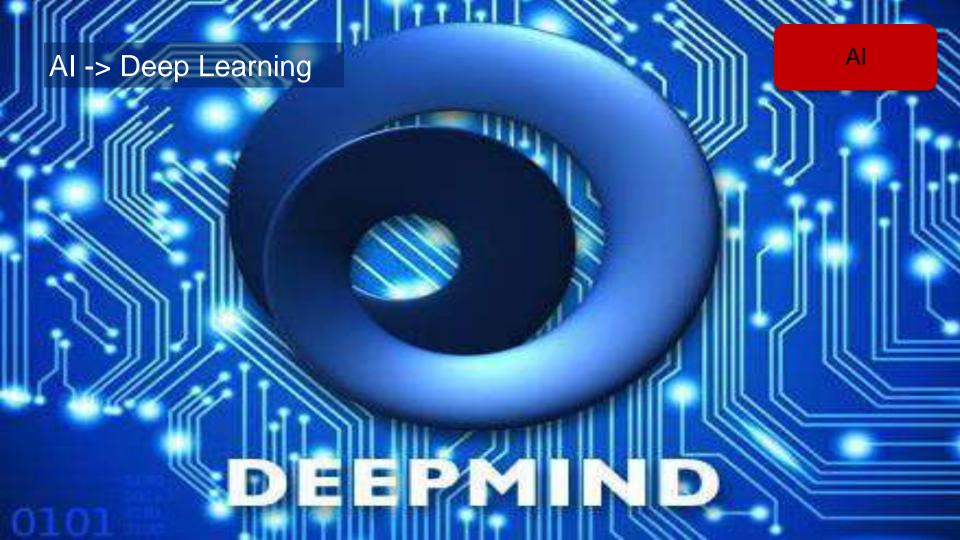
Of all fraudulent claims go undetected



\$2 Billion

Annual cost of jewellery fraud to insurers





Impact Examples of AI in Insurance

- Exchanges
- Claim management
- Fraud detection
- Personalized insurance fees
- Object / speech recognition
- Cybersecurity (avoid hacking)
- Data center (energy) optimization
- Customer service (chatbots)
- Online marketing



Forget Everything You Know About Insurance

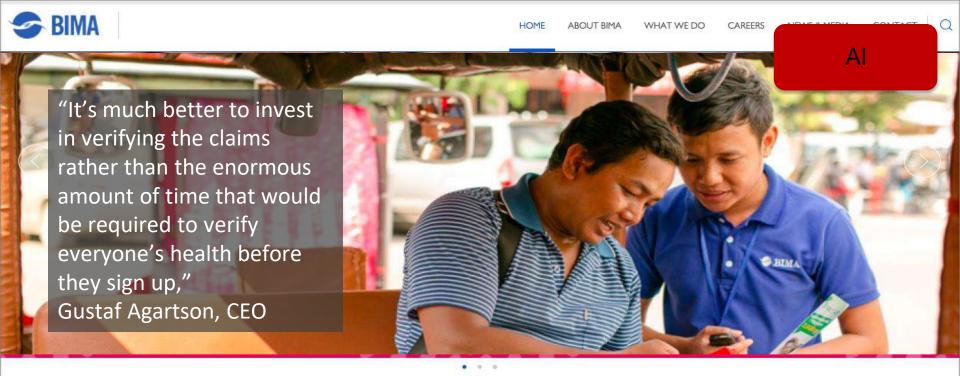
Instant everything. Killer prices. Big heart.



CHECK OUR PRICES

Watch the video

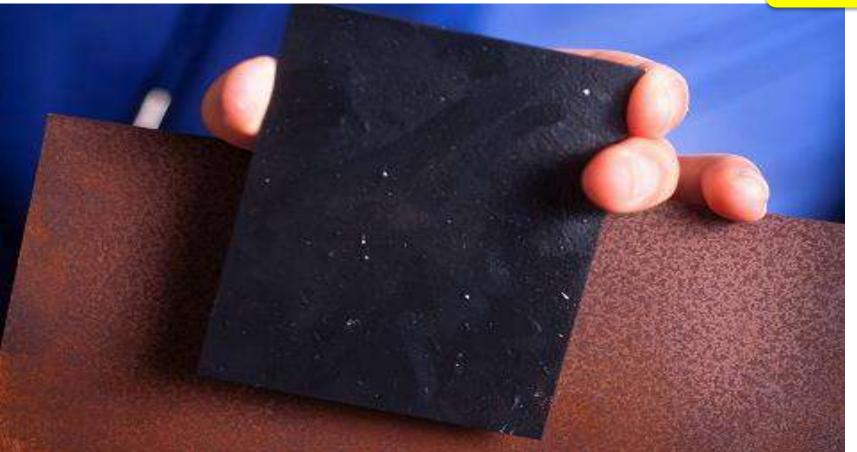




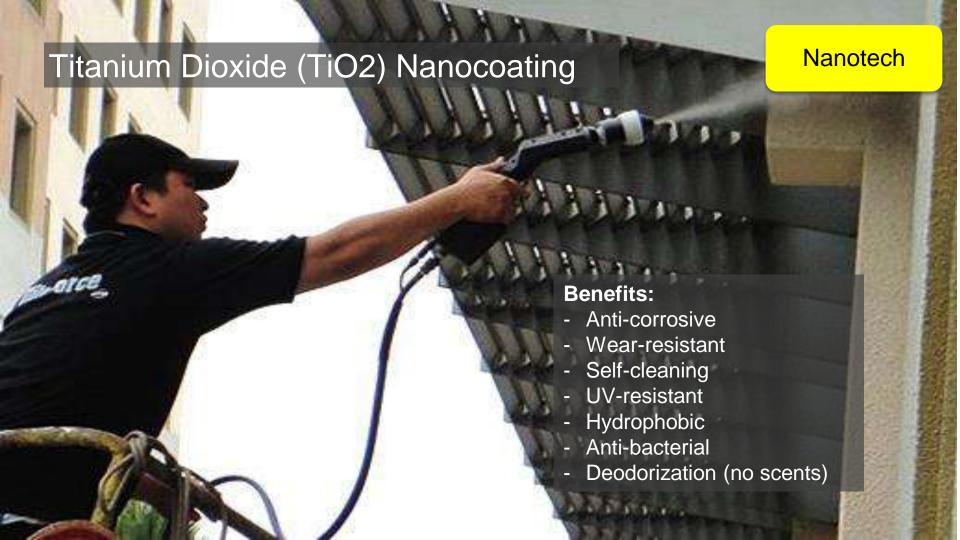
BIMA

BIMA is the leading emerging market insurance player, using innovative mobile technology to bring insurance to people who have never had it before

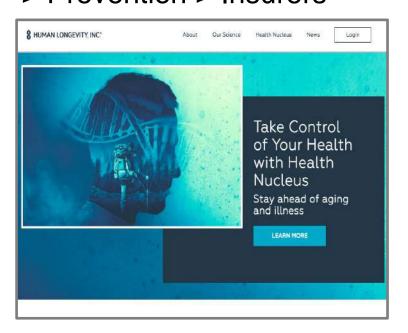
Graphene - Nanomaterials







System Biology Holistic Health Scans > Prevention > Insurers









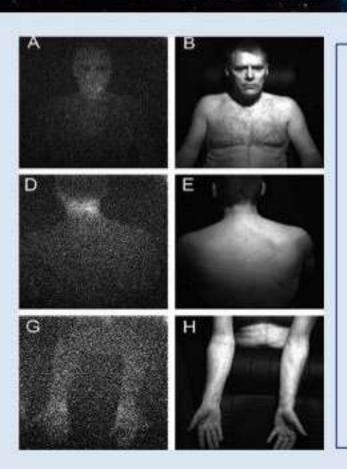






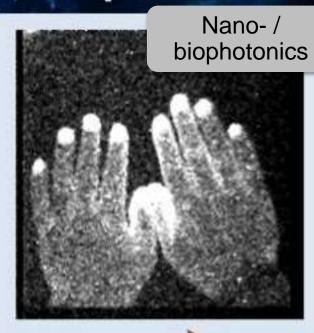
Platform-of-platforms of Light-based Technologies

"The human body literally glimmers" Quantum ID - qinano.com



You have a unique Quantum Identity

sensors for cyber security





Technology Impacts

Exponential Technologies	Risks	Opportunities
Blockchain	More prevention > Less insurance needed	More efficient organizationLess or no insurance fraud & corruptionBetter prospect targeting
AI & Algorithms (Deep Learning)	More prevention > Less insurance needed	More targeting & prediction > Higher insurance ROI and less insurance fraud
Nanotech	Stronger materials (graphene, coatings) > Less insurance needed	Partner with manufacturing companies
Sensors (IoT, self-driving car, wearables etc.) and Biotech	More prevention > Less insurance needed	More targeting & prediction > Higher insurance ROI and less insurance fraud
VR / AR	Less chance of accidents > Less insurance needed	Real-time integration of outside experts during calamities (Empathy and presence)
Drones & Satellites	More prevention > Less insurance needed	 More targeting & prediction > Higher insurance ROI Data collection > Less insurance fraud



GLOBAL COMPETITIVE LANDSCAPE FOR INSURERS



Competitive Landscape

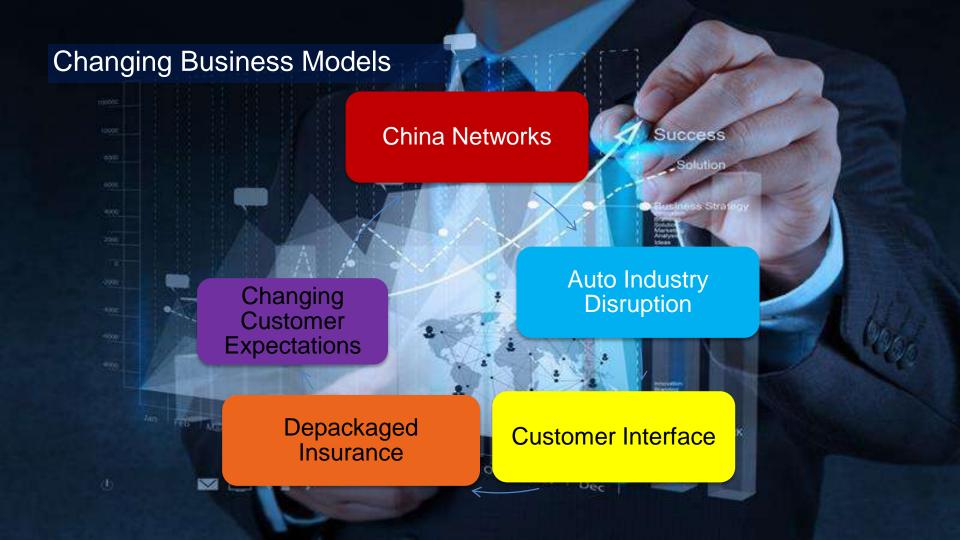
Competitive Threat	Threat Impact	Company Response	
1. GAFA & BAT entry	Scale, scope, radical lower costs / prices	Disrupt yourselfExO in the coreExternal startup ecosystem	
2. Business P2P Insurance (cars, drones, robots, real estate)	Customer interface ownership / purchase point	Proactive partnership with individual businesses	
3. Incumbents (a.o. Allianz)	Margin pressure	Disrupt yourselfExO in the core	
4. InsurTech startups (Lemonade)	Radical lower prices but regulatory/localization issues	 Lobbying regulations Create own startups and invest / partner / M&A 	
5. Blockchain / ICO startups in Insurance (a.o. 3Bi)	Lowest costs / prices possible but early stages	Focus on security & trustExternal blockchain ecosystem	





CASE STUDIES - BUSINESS MODEL DISRUPTION







Lifetime Auto Insurance Included in Car Price





: Health Insurance For Millennials

Customer Interface







Company Networks

China



Europe / US





- No individual companies, only company networks
- Flexible and weak ties in networks
- Radical networked decentralization

- Individual companies
- Strong ties in value chains (chains also literal)
- No networks



众安精选

- 5.8B policies
- 460M customers
- sold in 1 day
- \$11B IPO valuation





Cheung Kong Holdings – Largest Company/Ecosystem in Asia – Extended Subscription Models in HK



Ecosystem Approach in USA







Yue Wu for The New York Times



EXPONENTIAL ORGANIZATIONS



"The average lifespan of an S&P 500 company has decreased from: 67 years (1920's) to 12 years (today)."

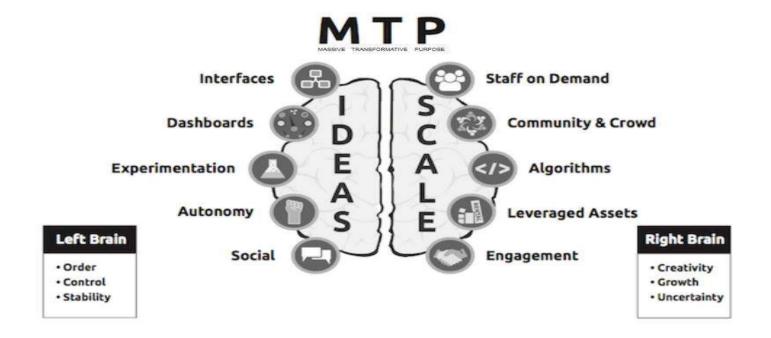


An Exponential Organization (ExO) is one whose impact is disproportionally large

— at least 10x larger —

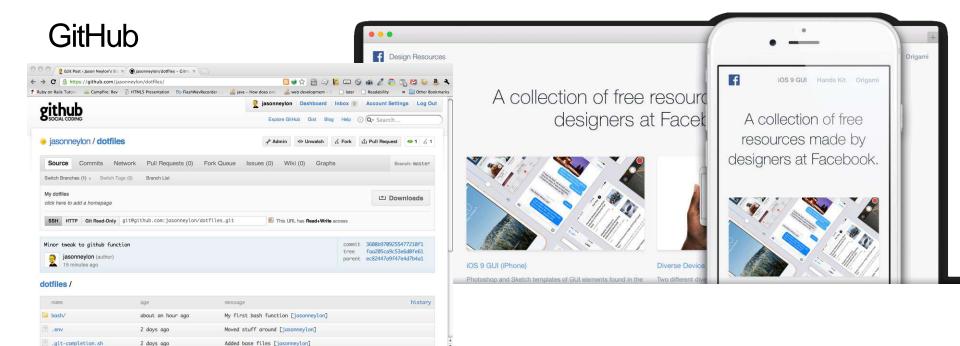
compared to its peers because of the use of new organizational design and leveraging exponential technologies.

ExO: MTP and leveraging 10 scalability techniques



Example of Exponential Organizations





Open source code and collaboration community

- 21 million members (software coders)
- 41 million repositories market cap of \$8B

Key differentiator: technical infrastructure of the internet as organizational design

How to create an Exponential Organization?



From Linear to Exponential Org

Transform Leadership
Education | Adapted Style | Diversity

ExO Lite

Incubators
Accelerators
Hackerspaces

Partner
Invest
Acquire
External ExOs

Internal ExOs on Edge

Black Ops

REALITY IS A PERMANENT MUSEUM





WANT TO LEARN MORE ABOUT MY TALK?

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