jaarcongres finance transformation

2015 // Your next move: making the business case for finance



Waarom nieuwe organisaties tien keer beter, sneller en goedkoper zijn



Yuri van Geest

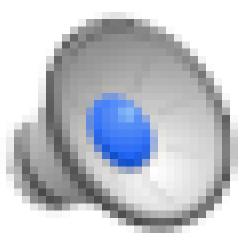
- Author of Exponential Organizations
- Dutch Ambassador of SU
- Founding CEO SingularityU Netherlands

SALIM ISMAIL YURI VAN GEEST

MET MICHAEL S. MALONE EN EEN VOORWOORD VAN PETER H. DIAMANDIS

EXPONENTIËLE Organisaties

WAAROM NIEUWE ORGANISATIES TIEN KEER BETER, SNELLER En goedkoper zijn - en hoe jij dat ook wordt





Singularity University



The Founders

Singularity University was jointly founded by Dr. Peter H. Diamandis and Dr. Ray Kurzweil. The concept of Singularity University was proposed by Diamandis to Kurzweil and to International Space University colleagues Dr. Robert D. Richards and Michael Simpson, who became Founding Trustees in mid-2007.

Associate Founders

Moses Znaimer Keith Kleiner Barney Pell Klee Irwin Sonia Arrison Senkut Dan Stoicescu Reese Jones David S. Rose Peter L. Bloom Geoffrey Shmigelsky Georges Harik Rob Nail

Corporate Founders

Autodesk

Google

cisco

ePlanet Ventures





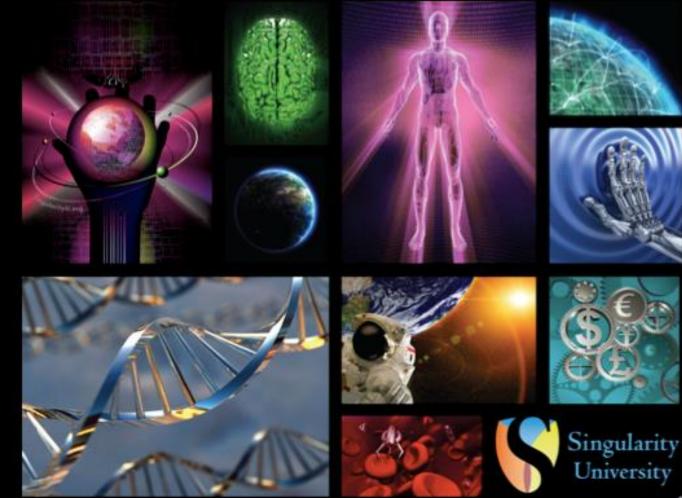


How will you positively impact 1 billion people in the next decade?



Accelerating Technologies

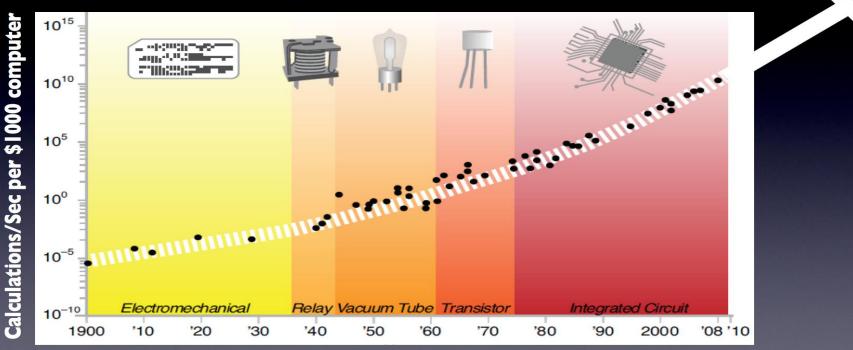
Al Robotics Biotech Nanotech Medicine Neuroscience Energy Computing



EXPONENTIAL GROWTH &

THE LAW OF ACCELERATING RETURNS

Moore's Law – 5th Paradigm of Exponential Growth

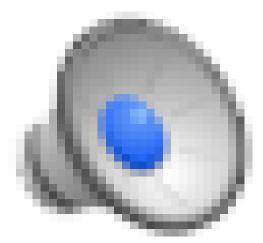


Credit: Ray Kurzweil and KurzweilAI.net

Hyperspectral Imaging



Apple & Foxconn - Apple plans to bring hyperspectral imaging to the new Apple Watch. Enables: cancer detection, retinal imaging, blood flow & oxygen levels, food composition insights (to enable food safety)



THE GLOBAL BRAIN

Viv radically simplifies the world by providing an intelligent interface to everything.

MIT's Mediated Matter Group - Glass 3D Printing







Facebook's internet.org - Internet Access Globally

() internet.org by facebook

BOUT PROJECTS PRESS CONTACT

Learn about developing for Internet.org

THE MORE WE CONNECT THE BETTER IT GETS



- Google's Project Loon (with Titan Aerospace) -Drones & Balloons
- Virgin Galactic's
 LauncherOne Satellites
- SpaceX Satellites

Nano-Fridge Concept

Haier + Ez + syngenta

Haier - Chinese Consumer Electronics manufacturer

Alibaba - Chinese eCommerce and distribution company **Syngenta** - Swiss seed producer and biotech company

Exponential Technologies

	Cost (averages) for equivalent functionality	Scale
3D printing	\$40,000 (2007) to \$100 (2014)	400x in 7 years
Industrial robots	\$500,000 (2008) to \$22,000 (2013)	23x in 5 years
Drones	\$100,000 (2007) to \$700 (2013)	142x in 6 years
Solar	\$30 per kWh (1984) to \$0.16 per kWh (2014)	200x in 20 years
Sensors (3D LIDAR sensor)	\$20,000 (2009) to \$79 (2014)	250x in 5 years
Biotech (DNA sequencing of one whole human DNA profile)	\$10 million (2007) to \$1,000 (2014)	10,000x in 7 years
Neurotech (BCI devices)	\$4,000 (2006) to \$90 (2011)	44x in 5 years
Medicine (full body scan)	\$10,000 (2000) to \$500 (2014)	20x in 14 years

Declining Costs

Increasing Capabilities

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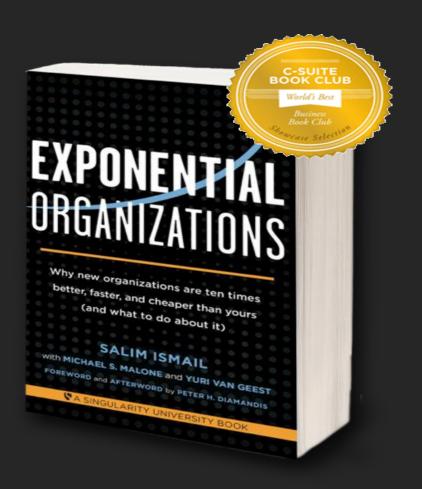
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Best Business Book of 2014 Award by Frost & Sullivan

One of the all-time highest rated business books on Amazon (4,8 out of 5)

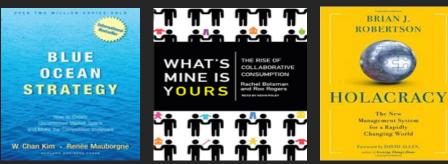
(Soon) available in 15 languages, including all top 8 languages incl. Chinese

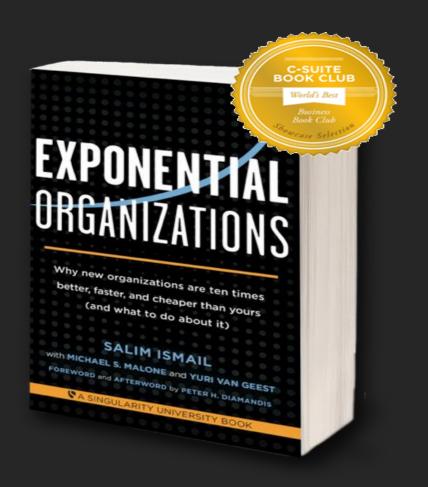


Honored to be nominated for the Oscars of Management Books:

Thinkers50 Breakthrough Idea Award

Other nominees:





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EXPONENTIËLE Organisaties

WAAROM NIEUWE ORGANISATIES TIEN KEER BETER, SNELLER En goedkoper zijn - en hoe jij dat ook wordt "The average half life of a business competency has dropped from 30 years in 1984 to 5 years today."

MET MICHAEL S. MALONE EN EEN VOORWOORD VAN PETER H. DIAMANDIS

EXPONENTIËLE Organisaties

WAAROM NIEUWE ORGANISATIES TIEN KEER BETER, SNELLER En goedkoper zijn - en hoe jij dat ook wordt "89% of the Fortune 500 companies from 1955 are **not** on the list today."

MET MICHAEL S. MALONE EN EEN VOORWOORD VAN PETER H. DIAMANDI

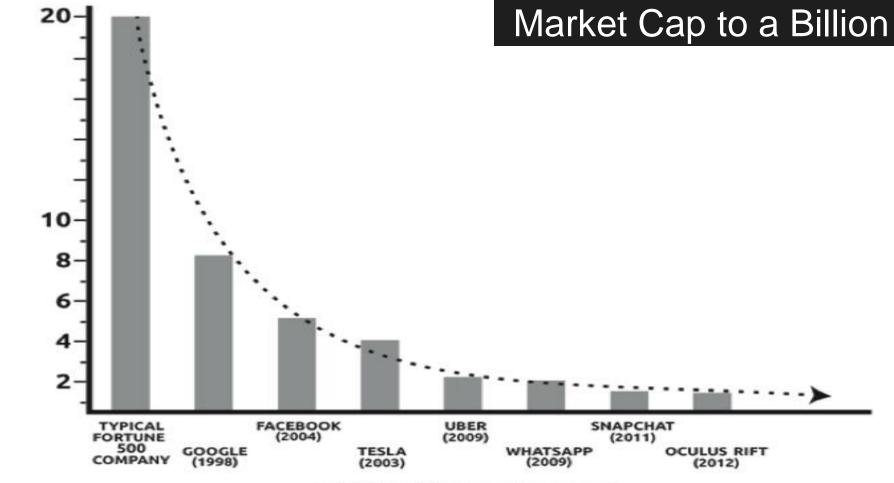
EXPONENTIËLE Organisaties

WAAROM NIEUWE ORGANISATIES TIEN KEER BETER, SNELLER En goedkoper zijn - en hoe jij dat ook wordt "The average lifespan of an S&P 500 company has decreased from: 67 years (1920's) to <u>15</u> years (today)."

MET MICHAEL S. MALONE EN EEN VOORWOORD VAN PETER H. DIAMANDIS

EXPONENTIËLE Organisaties

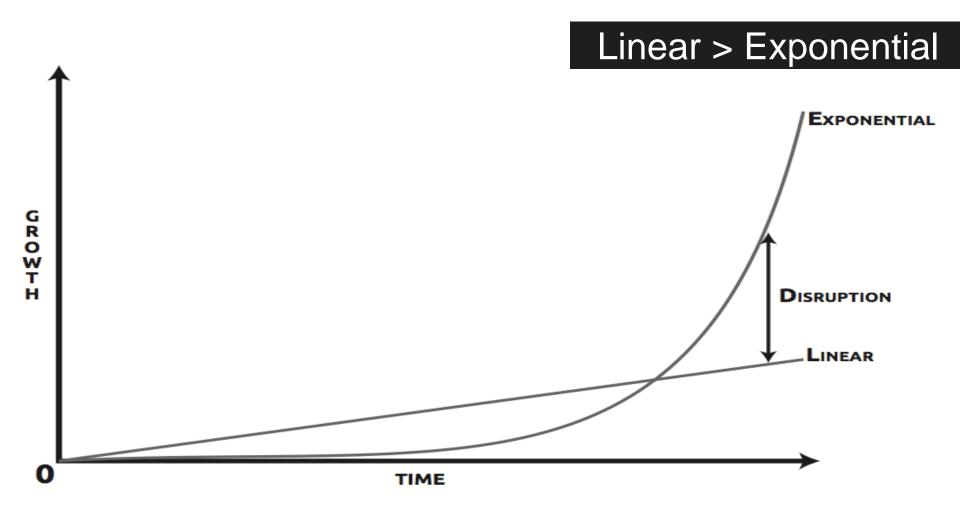
WAAROM NIEUWE ORGANISATIES TIEN KEER BETER, SNELLER En goedkoper zijn - en hoe jij dat ook wordt "In the next 10 years 40% of all S&P 500 companies will disappear from this list"



COMPANY(founding year)

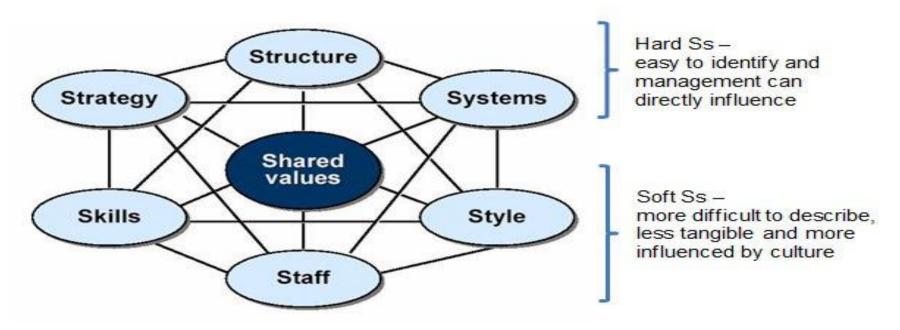
YEARS

Why are there ExOs?



Scarcity > Abundance

Time to scale the organization



Source: McKinsey 7S model

What are ExOs?

Definition

An Exponential Organization (ExO) is one whose impact (or output) is disproportionally large — at least 10x larger — compared to its peers because of the use of new organizational techniques that leverage exponential technologies.



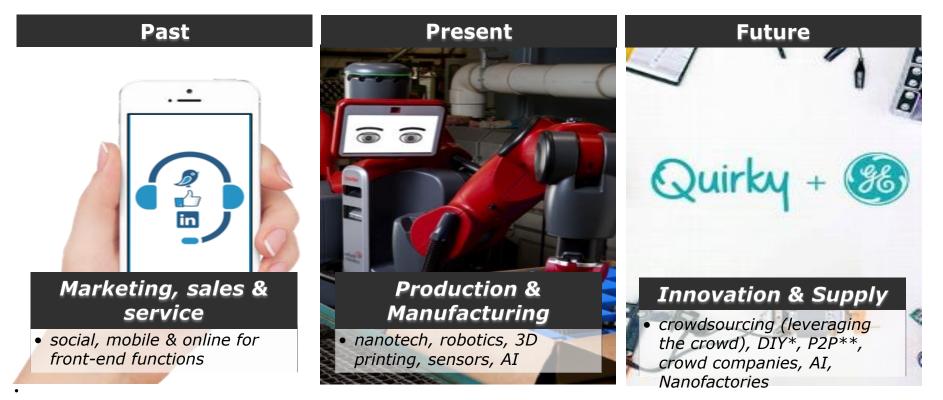
Marc Andreessen

founder of Netscape, renowned Venture Capitalist Andreessen-Horowitz

Software is eating the world, in all sectors

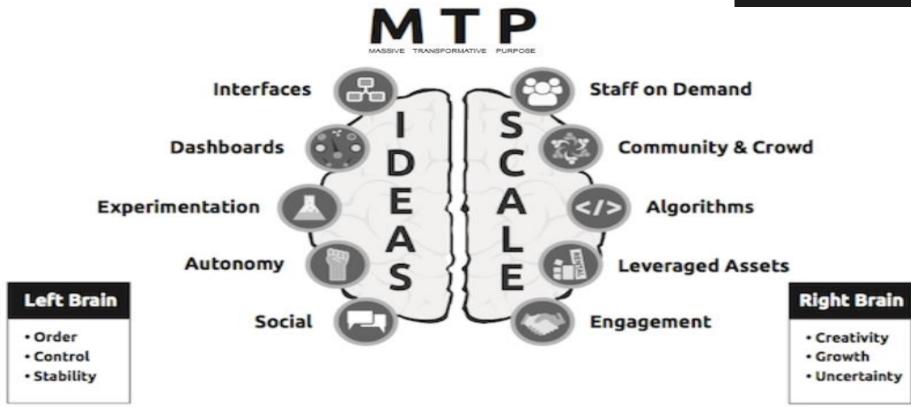
In the future every company will become a software company

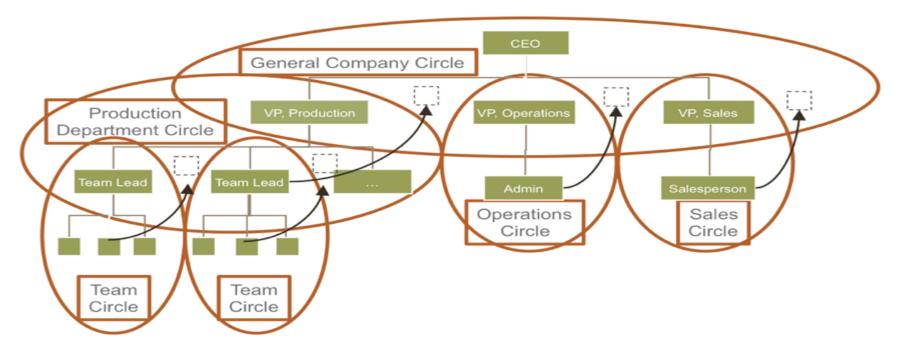
ExOs: Everything will become digital



*Do-It-Yourself: Movement of people who create things without the help of experts or professionals •**:Peer-to-Peer: a decentralized network leveraging direct interactions between people

Attributes





Top-down, hierarchical

Flat, distributed authority





Financial driven, closed (Status Quo)

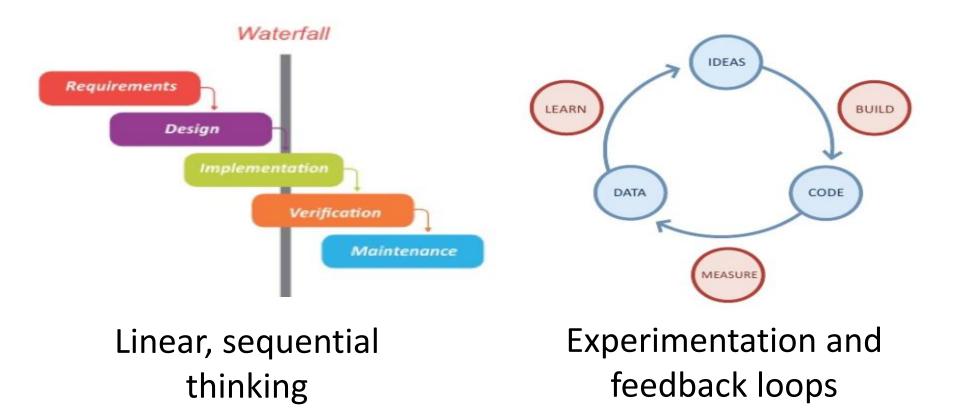
MTP driven, transparent via dashboards



Strategy based on extrapolation from past (5-year operational plans)



Strategy based on MTP, pivots and 1 year operational plan

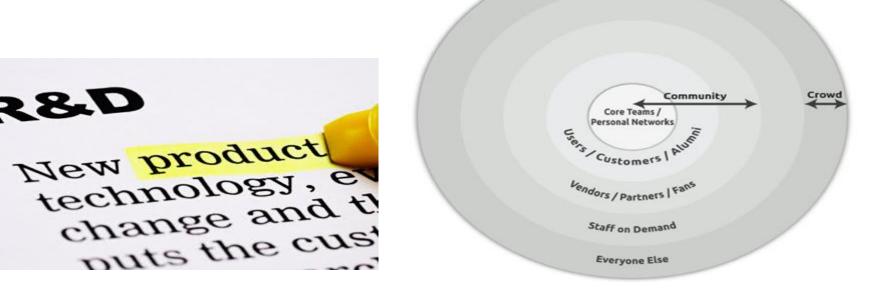




Process inflexibility and risk intolerance



Flexibility and smart failure celebration



Innovation from inside, large number of FTEs

R&D

Innovation at the edges and from outside sources

Examples of ExOs

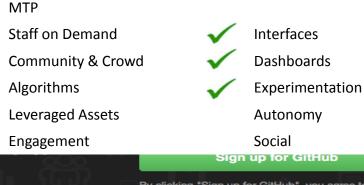
GitHub Search GitHub

Sign in

Best ExOs

Build software better, together.

Powerful collaboration, code review, and code manago open source and private projects. Need private repose Upgraded plans start at \$7/mo.



By clicking "Sign up for GitHub", you agree to our terms of service and privacy policy. We will send you account related emails occasionally.

Why you'll love GitHub.

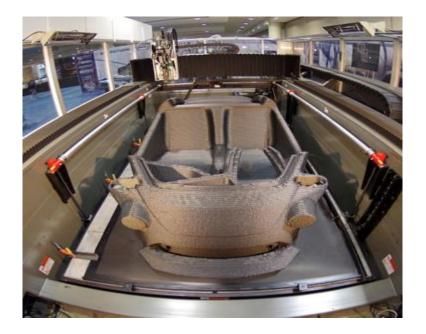
Powerful features to make software development more collaborative.

GitHub - GitHub is an open source code and collaboration community with 10 million members, 21 million repositories and market cap of \$10B. Key differentiator: technical infrastructure of the internet as organizational design



Xiaomi - Chinese smartphone company, focusing on performance, quality and customer experience. Has a flat organization consisting of 5.000 employees and leverages a Community of 100 million fans for product ideation & iteration.

Performance Improvement





Local Motors Traditional Car Manufacturers 1000x cheaper & 5-22x faster production

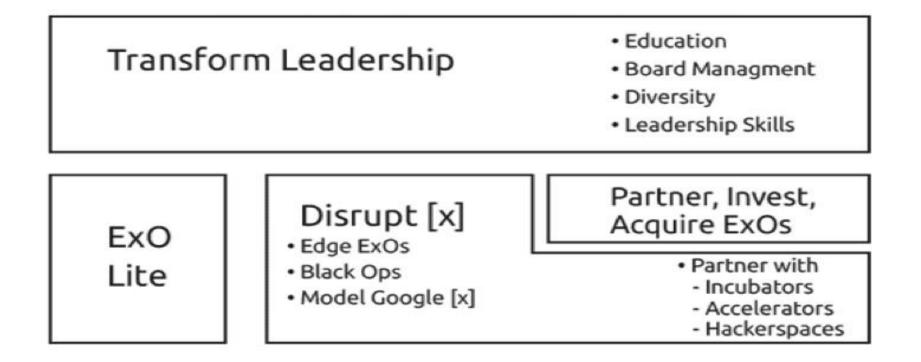
Corporate Example



Haier - Chinese appliance maker with 80,000 employees organized in 2005 in 2,000 self-managed units with decision-making authority (Autonomy). Market cap grew from \$20B to \$60B today in the last 3 years.

How to create ExOs?

Strategies for Corporates





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GOLD PARTNERS

SILVER PARTNERS



An instinct for growth

accenture



basware

CXOCCCKPIT

The Mobile & Web-based EPM Reporting Platform

= exact

FINANCE FACTOR

DRIVEN BY VALUES

EXECUTIVE FINANCE PROFESSIONALS

Ð









Units for people.







GRONINGEN