



**Exponential
Academy**

Exponential Academy



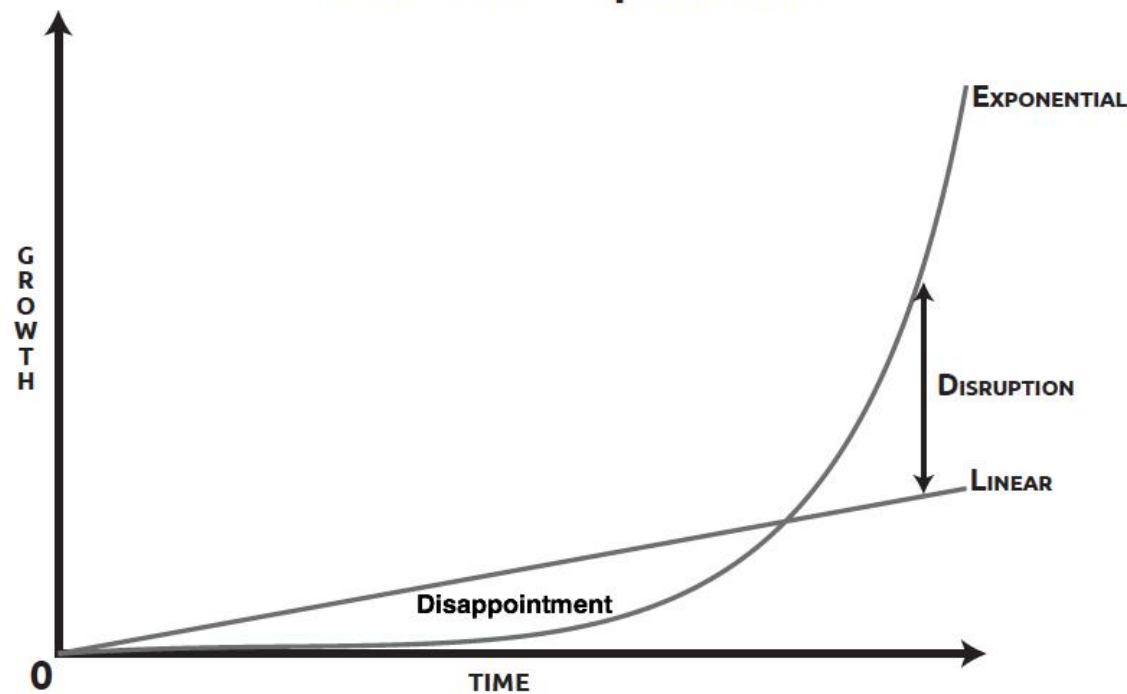
Exponential?



Bonus per gewerkte dag

Dag	optie 1 (€)	optie 2 (€)
1 dec	10	0,1
2 dec	15	0,2
3 dec	20	0,4
4 dec	25	0,8
31 dec	160	107.374.182

Linear vs. Exponential



Technologie evolueert... exponentieel!

1 The accelerating pace of change ...



2 ... and exponential growth in computing power ...

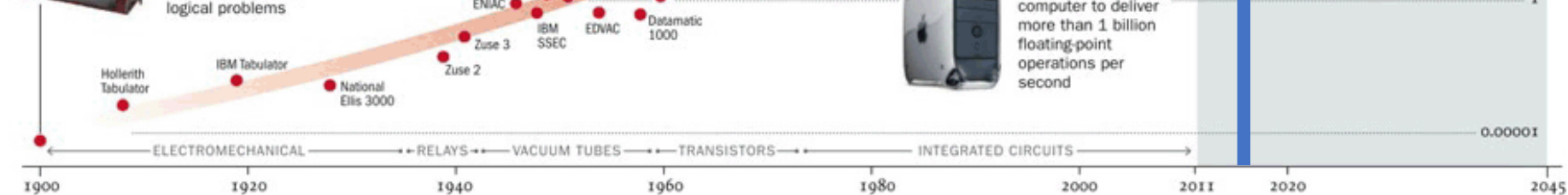
Computer technology, shown here climbing dramatically by powers of 10, is now progressing more each hour than it did in its entire first 90 years

COMPUTER RANKINGS

By calculations per second per \$1,000



Analytical engine
Never fully built, Charles Babbage's invention was designed to solve computational and logical problems



Colossus
The electronic computer, with 1,500 vacuum tubes, helped the British crack German codes during WW II



UNIVAC I
The first commercially marketed computer, used to tabulate the U.S. Census, occupied 943 cu. ft.



Apple II
At a price of \$1,298, the compact machine was one of the first massively popular personal computers



Power Mac G4
The first personal computer to deliver more than 1 billion floating-point operations per second

3 ... will lead to the Singularity

10^{26} ← 2045
Surpasses brainpower equivalent to that of all human brains combined

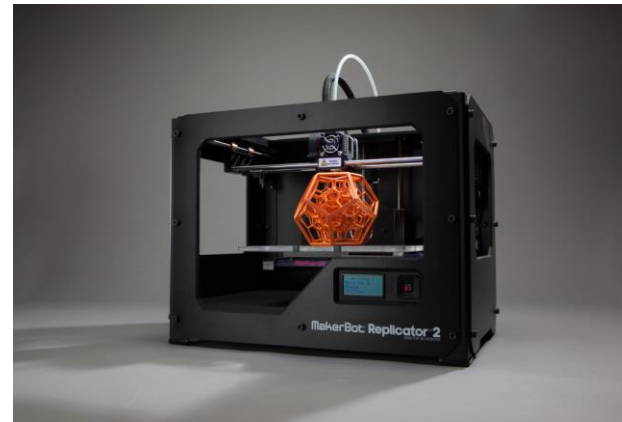
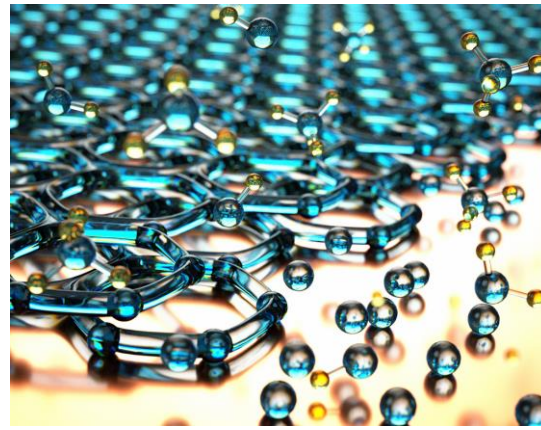
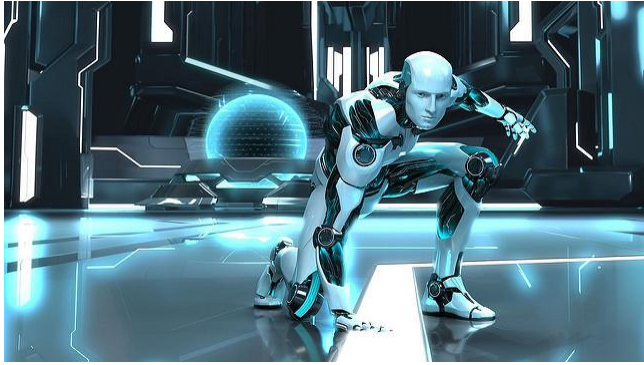
Surpasses brainpower of human in 2023



Surpasses brainpower of mouse in 2015

10^{20}
 10^{15}
10,000,000,000
100,000
1
0.00001

Technologieën op rand van doorbraak



Mix van generaties

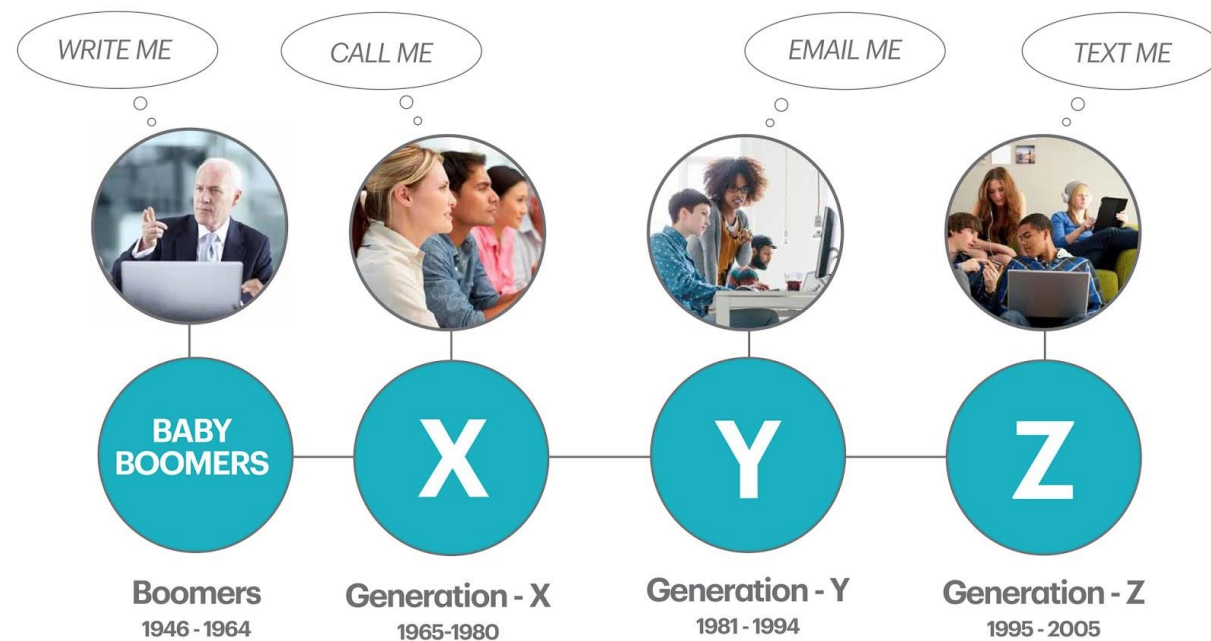


Bron: www.mind-shake.com



Bron: blog.helpshift.com

FIVE GENERATIONS WORKING SIDE BY SIDE IN 2020

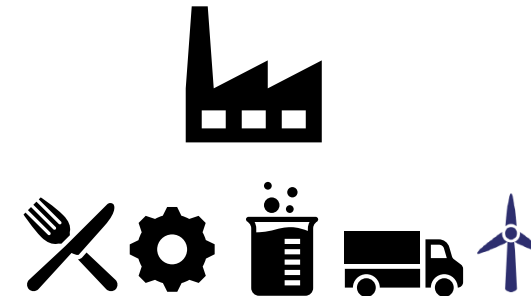
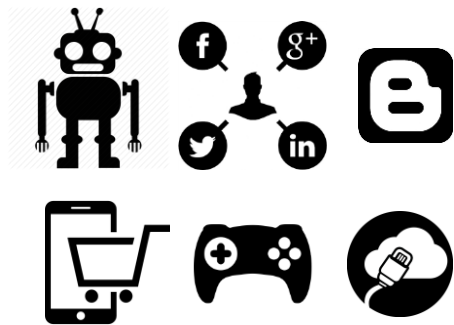
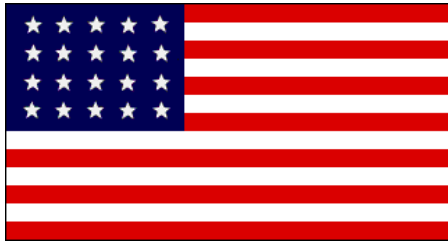


Bron: engage.intel.com

Exponentiële organisaties (ExO's)



Maar...



Maar...

- 'lowtech' - innovatie



- keuze + test



- logistiek



Matrassenproducenten



Toeleveranciers



Maar...

⊕ Britse internetondernemer schudt Belgische matrassenmarkt wakker

Trends Kurt De Cat 10/03/17 om 15:20

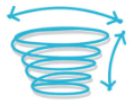
Mattress wars: rude awakening for a sleepy market

ft.com ON 2016-10-17 12:20



Maar...

- 'lowtech' – keuze



Matrassenproducenten



- e-commerce



Toeleveranciers



- logistiek



- test



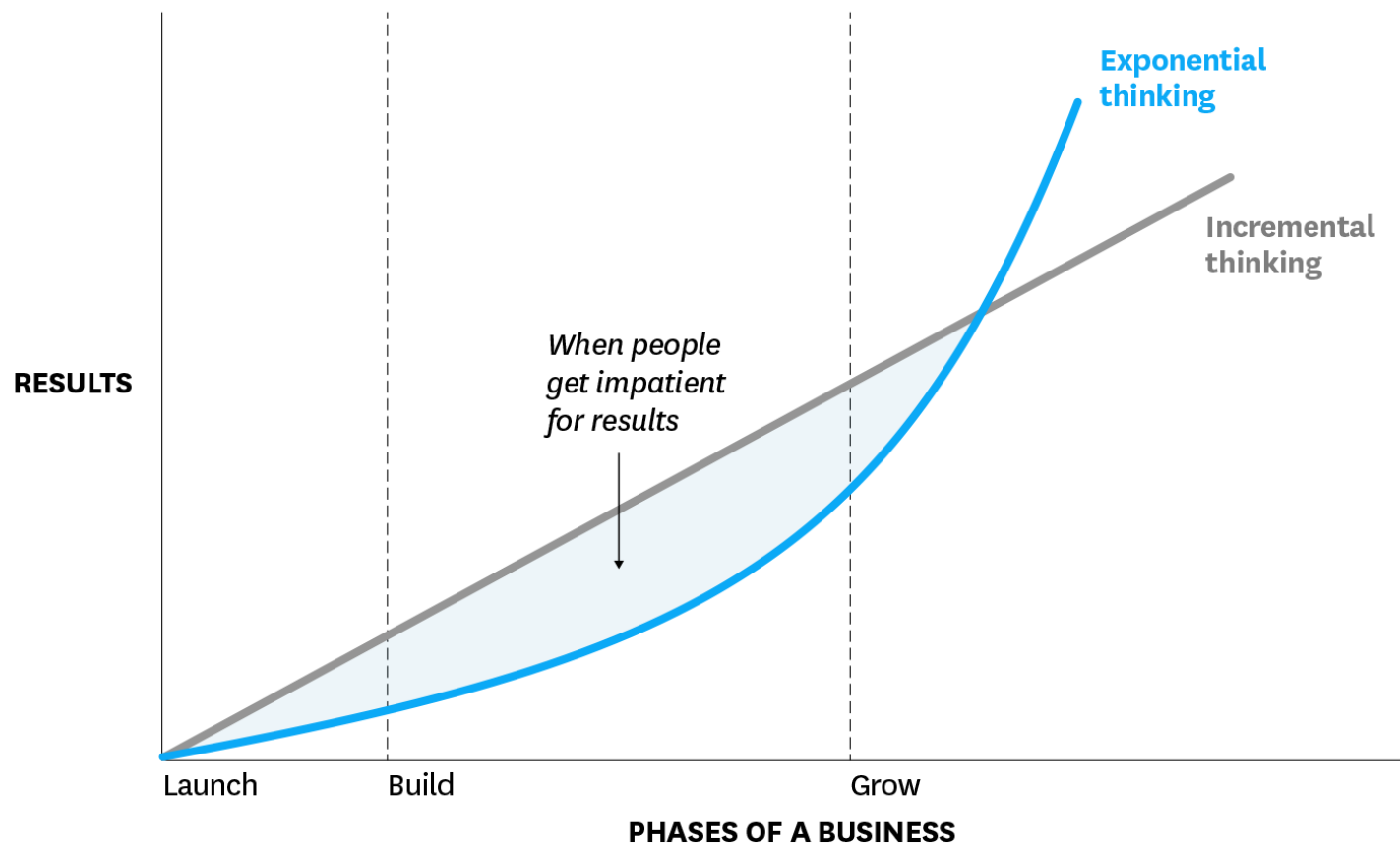
Maar...



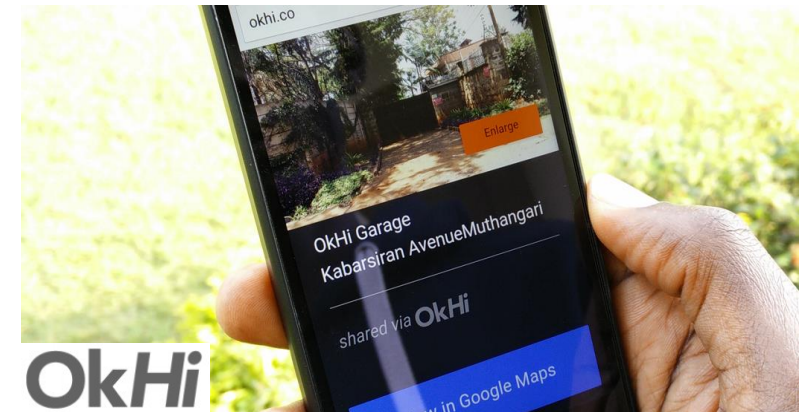
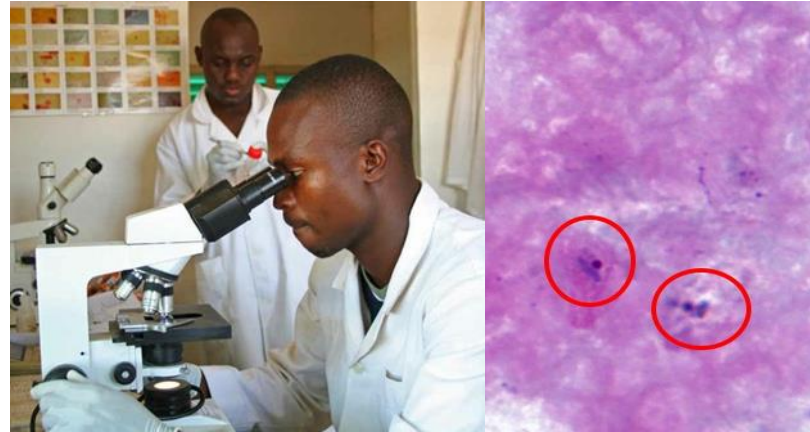
Exponentieel?

Incremental vs. Exponential Thinking When Growing a Business

Incremental thinking delivers immediate and steady results, while exponential thinking generates results that accelerate over time. The wrong expectations can lead teams to quit the exponential path too soon.



Maar...

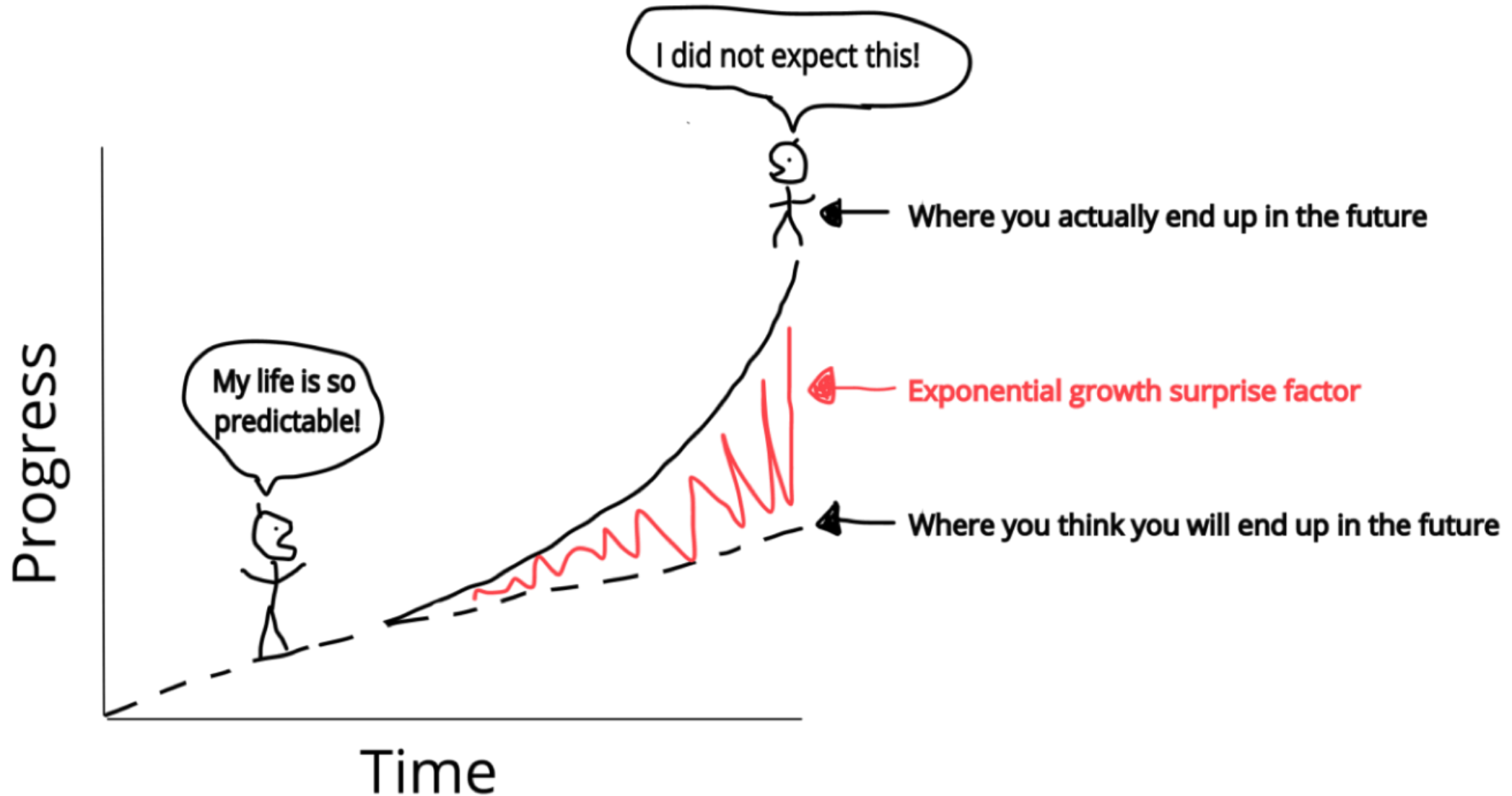


Lineair denken in een exponentieel veranderende wereld

Technology is exponential, but humans are linear



Lineair denken in een exponentieel veranderende wereld





The only constant is change, and the
rate of change is increasing,

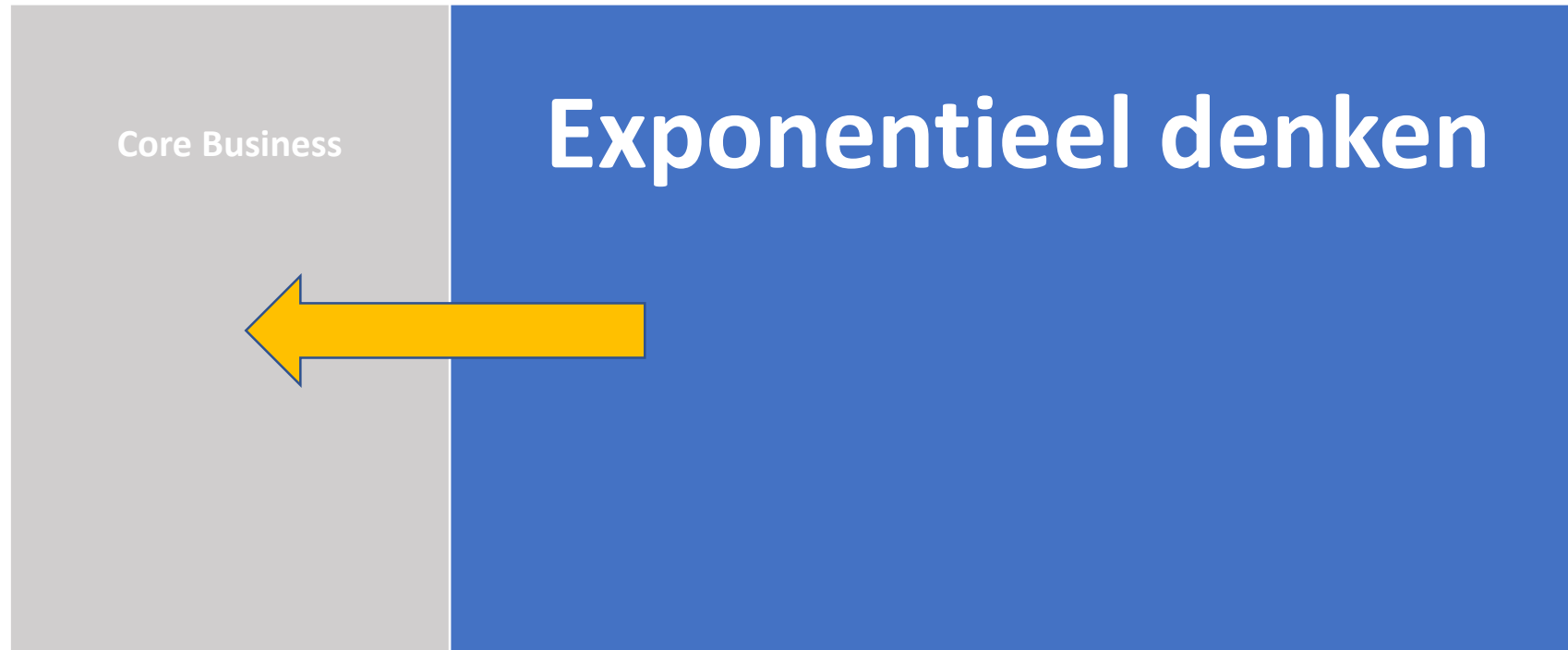
— *Peter Diamandis* —

AZ QUOTES

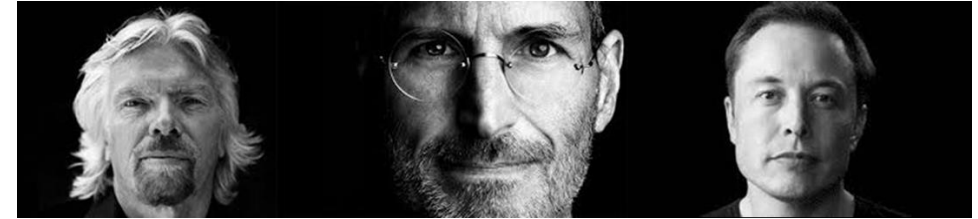
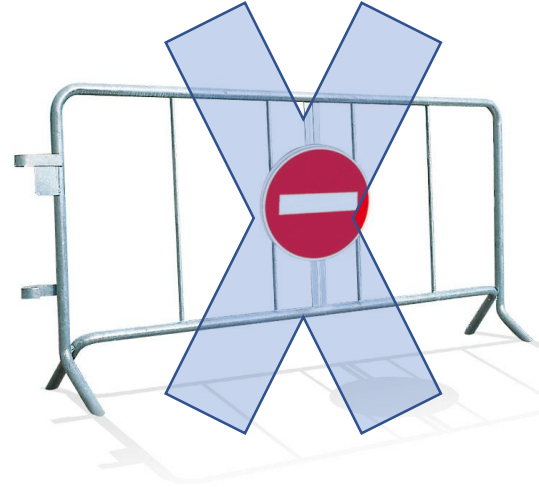
Exponentieel denken & de dagelijkse realiteit



Exponentieel denken & de dagelijkse realiteit



Exponentieel denken is...

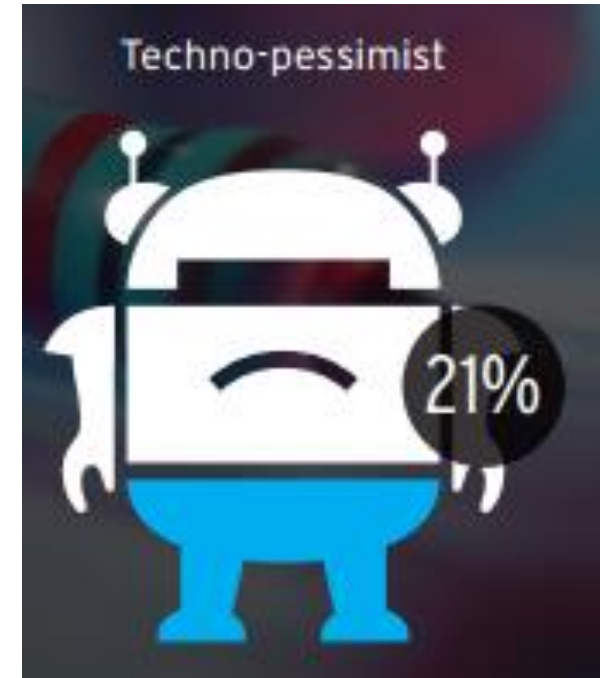


the sky
is not
the limit

En wat met onze jobs?



Jobs → Jobs 2.0



~~Jobs~~

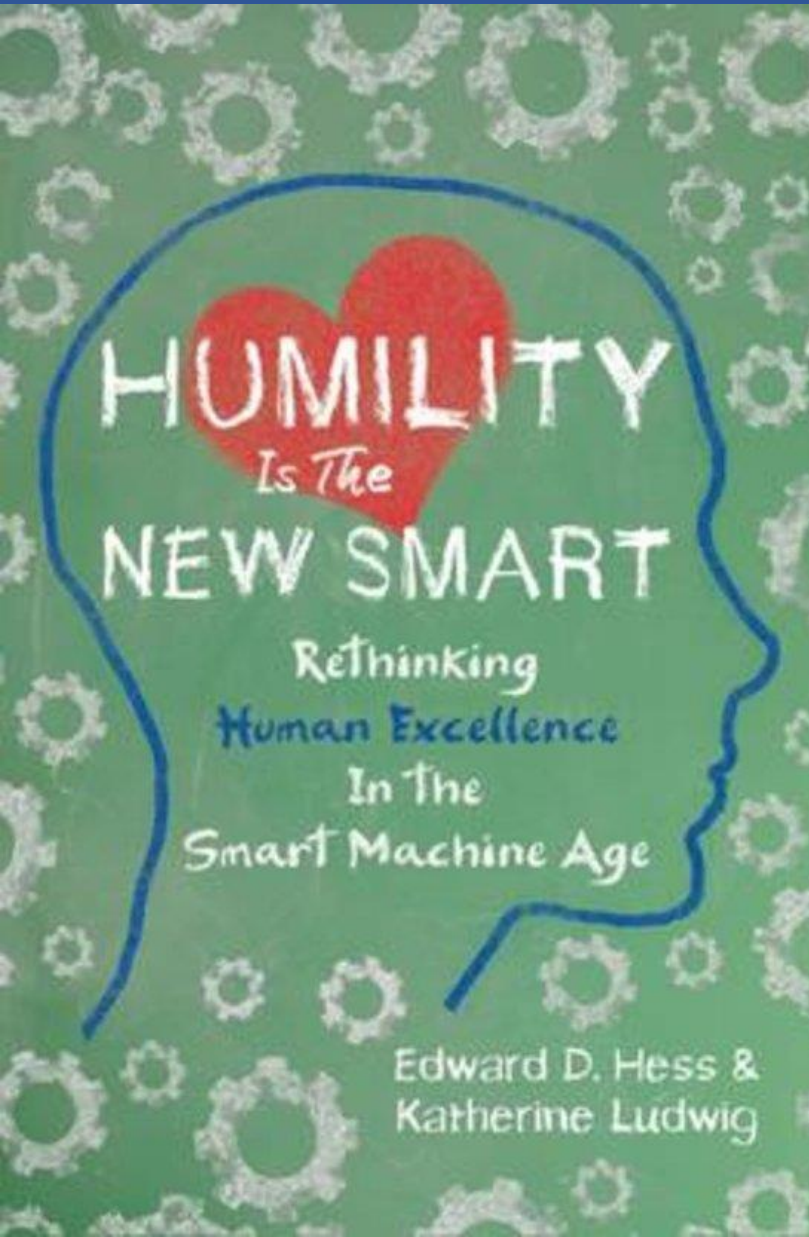
54% van de jobs in EU gedigitaliseerd komende 10 tot 15 jaar

Frey, C. B. and Osborne, M. A. (2013). The Future of Employment: How Susceptible are Jobs to Computerisation? Oxford Martin School Working Paper No. 7.

Mens vs. Technologie?



Skills in de 'Smart Machine Age'



Unieke vaardigheden als mens (voorlopig):

- kritisch denken
- innovatief denken
- creativiteit
- ons emotioneel verbinden met anderen

OLD SMART	NEW SMART
I know	I'm good at not knowing
I tell	I ask
Mistakes are bad	Mistakes are learning opportunities
Perfectionism	Learning
...	...

Top 10 skills

in 2020

1. Complex Problem Solving
2. Critical Thinking
3. Creativity
4. People Management
5. Coordinating with Others
6. Emotional Intelligence
7. Judgment and Decision Making
8. Service Orientation
9. Negotiation
10. Cognitive Flexibility



in 2015

1. Complex Problem Solving
2. Coordinating with Others
3. People Management
4. Critical Thinking
5. Negotiation
6. Quality Control
7. Service Orientation
8. Judgment and Decision Making
9. Active Listening
10. Creativity



"**Onderwijs** is absoluut de cruciale schakel richting een transitie van de samenleving en economie.

Nu leveren wij kleine machientjes af, die schijnbaar goed voorbereid zijn, maar totaal niet wendbaar genoeg voor de nieuwe economie en samenleving."

Jan Rotmans, transitieprofessor DRIFT (Bloovi, 17/8/17)



The
DANISH
WAY of
PARENTING

What the Happiest People in the World
Know About Raising Confident, Capable Kids



JESSICA
JOELLE
ALEXANDER
and
IBEN DISSING
SANDAHL

P: play
A: authenticity
R: reframing
E: empathy
N: no ultimatums
T: togetherness and
hygge



**Exponential
Academy**

Golven van verandering die op ons af komen

Stap 1: golven zien 

Stap 2: ons niet laten overdonderen

leren om de golven te trotseren

meer zelfs: te surfen op de golven





Interreg 

2 Seas Mers Zeeën

ISE

European Regional Development Fund

**Innoveren in
exponentiële tijden**

Innoveren in exponentiële tijden

10 november 2017 - Exponential thinking

Exponentiële trends, technologieën en businessmodellen

24 november 2017 - Innoveren met een exponential touch

Massive Transformative Purpose, exponentieel denken en missie/visie

8 december 2017 – Omgaan met exponentiële verandering

Impact verandering op bedrijf, medewerkers en omgeving

An Cosaert, Antwerp Management School & Exponential Academy

3 workshops - ARhus Roeselare

9-12 uur // max. 20 deelnemers // gratis

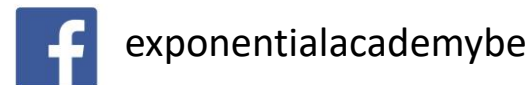
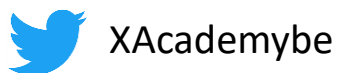
Inschrijven: www.exponentialacademy.be



European Regional Development Fund



www.exponentialacademy.be | info@exponentialacademy.be



The future is no longer simply an extension of the present

