# THE DIGITAL CONTEXT

Tech, Trends, and Truths

DAVE DUARTE @daveduarte

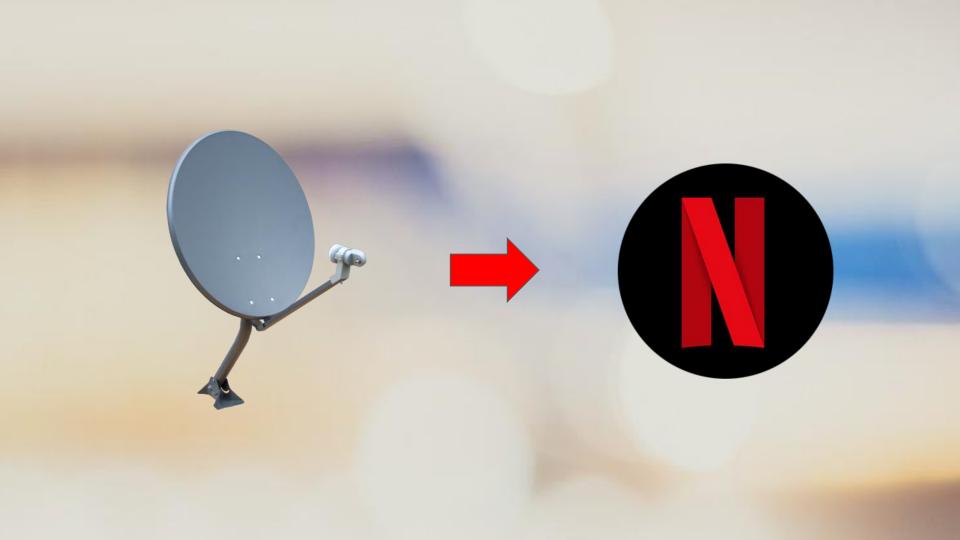
**#BusinessMatters** 

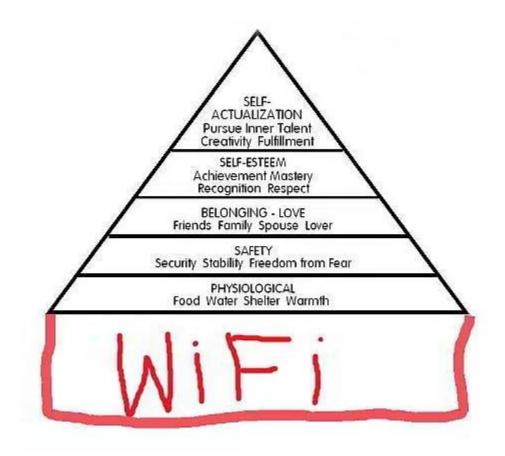
February 2018

# treeshake



"Netherlands introduces pavement traffic lights for smartphone addicts"





#Internet4all #DataMustFall

https://avarchives.icrc.org/Picture/46183



The fourth industrial revolution is upon us, and this means that we urgently need to develop our capabilities in the areas of science, technology and innovation.

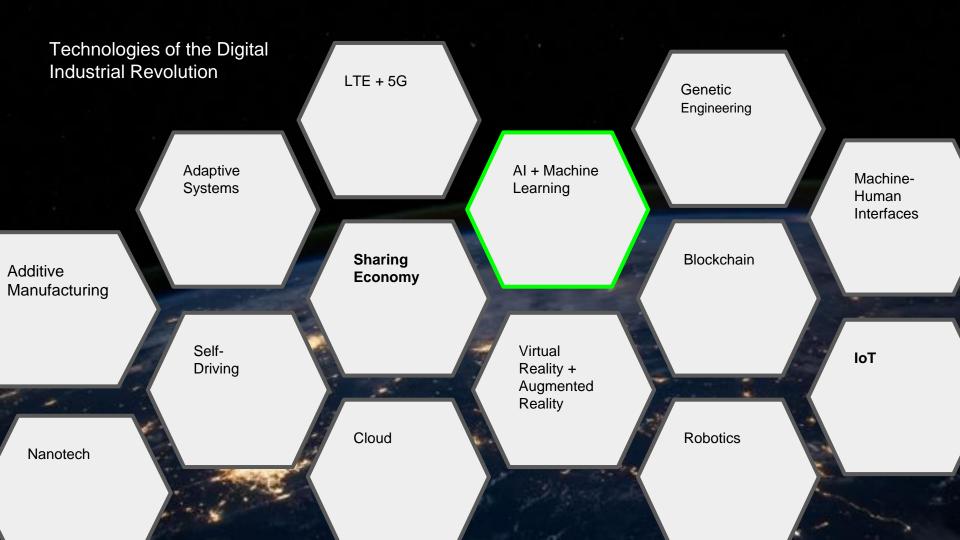
Cyril Ramaphosa, SONA2018

## **DIGITAL TECH**

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Source: "Of Prediction and Policy," The Economist

Tanzania Zipline launches 120 drones at four bases serving more than 10 million people at 1,000 clinics across the country

#### Human Machine Interfaces



Hola, hoy te enviaré la información de la organización.

Gracias. Qué bueno poder colaborar con ellos, desde hace mucho quería ayudar.

https://www.skype.com/en/features/skype-translator/





#### **Remote Control World**

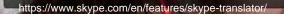
By 2020, the average person will have more conversations with bots than with their spouse.

Source: "Top Strategic Predictions for 2017 and Beyond: Surviving the Storm Winds of Digital Disruption," Gartner.



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## Centaurs

e4

Human x Computer > Human / Computer



### EMOTIV x Rodrigo Hubner Mendes

Seriously! Oh my!

You need to build a culture of experimentation. Ultimately, standing still equals death, and the only way to succeed is to be constantly experimenting and innovating

Peter Diamandis Singularity Hub, Feb 2017

#### #INVENT2SOLVE

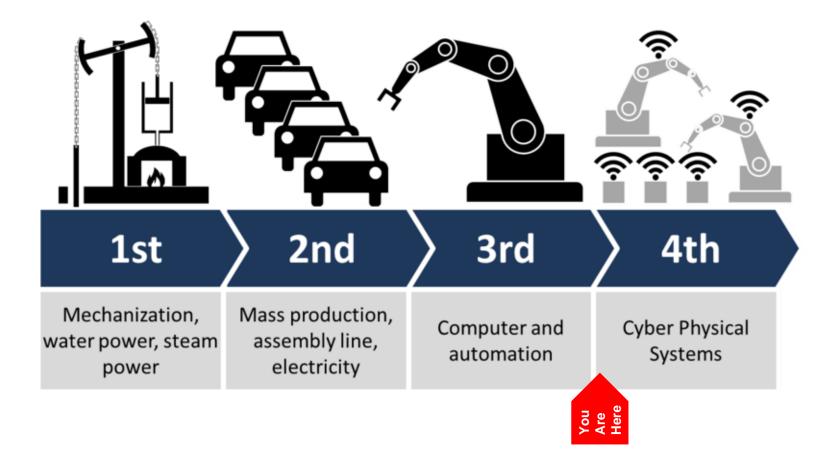


## **DIGITAL TRANSFORMATION**

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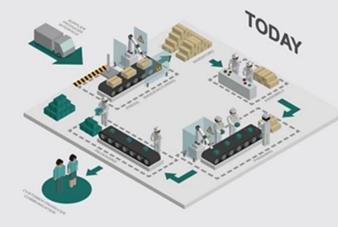
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### **The Four Industrial Revolutions**



#### Connectivity is Key

### From isolated, optimized cells ...



#### ...to fully integrated data and product flows across borders

Integrated communication along the entire value chain reduces work-inprogress inventory Greater automation will displace some of the leastskilled labor but will require higher-skilled labor for monitoring and managing the factory of the future



Machine-to-machine and machine-to-human interaction enables customization and small batches

"Technological progress is key to finding lasting solutions to both economic and environmental challenges"

- United Nations Sustainable Development Goals

**Sharing Economy** 

A self-powered "smart window" system developed at Princeton University uses a transparent solar cell to harvest UV energy from sunlight.

#### PEOPLE POWER

## Toyota is becoming more efficient by replacing robots with humans



"We cannot simply depend on the machines that only repeat the same task over and over again," project lead Mitsuru Kawai told Bloomberg. "To be the master of the machine, you have to have the knowledge and the skills to teach the machine."



## **DIGITAL TRUTHS**

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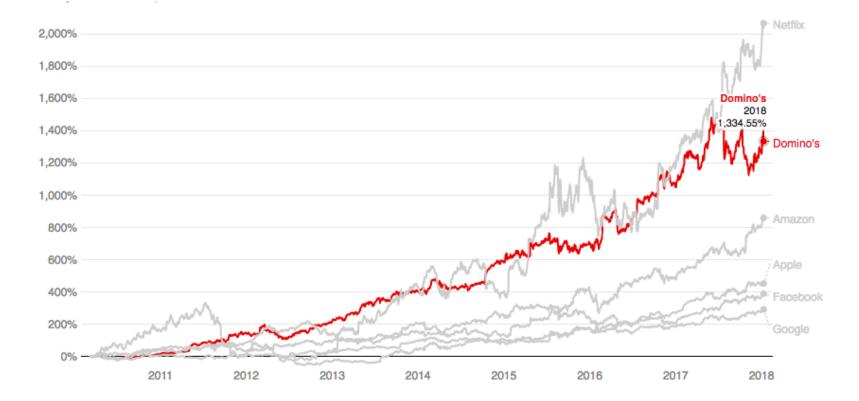
I very frequently get the question: "What's going to change in the next 10 years"

I almost never get the question: "What's NOT going to change in the next 10 years?"

### "As a business, you need to have 2 or 8 big ideas. And execute well on these ideas."

Amazon's big three are: **1. Low Prices**, 2. Fast Delivery, 3. Huge Inventory.

#### Digital Business: Domino's Pizza Shows What's Possible



Taste, Speed, Convenience

We are as much a tech company as we are a pizza company" - Patrick Doyle, CEO at Domino's More than half of its 800 HQ employees work in software and analytics.



Modified vehicles



GPS order tracking



Facebook chatbot



On Time Cooking













Al Pizza Quality Checker

SMS Delivery

### TIMELESS TRUTH: WHAT WON'T CHANGE Stay focused on customer value

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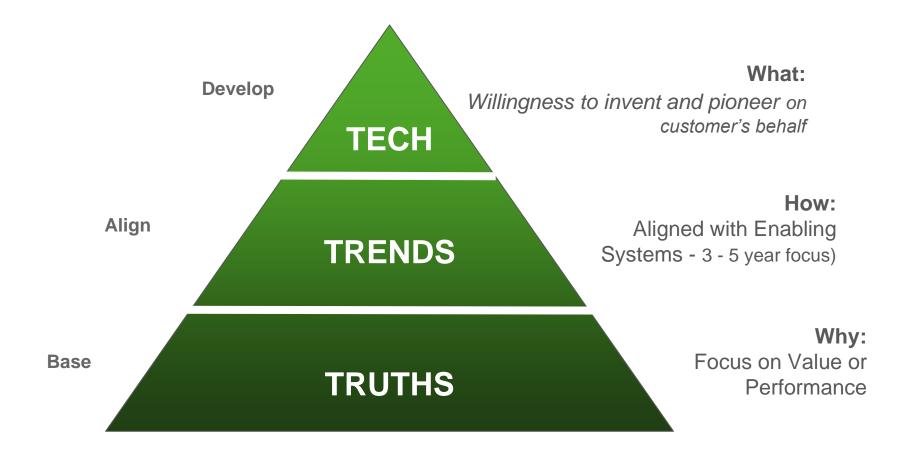
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## In Conclusion...

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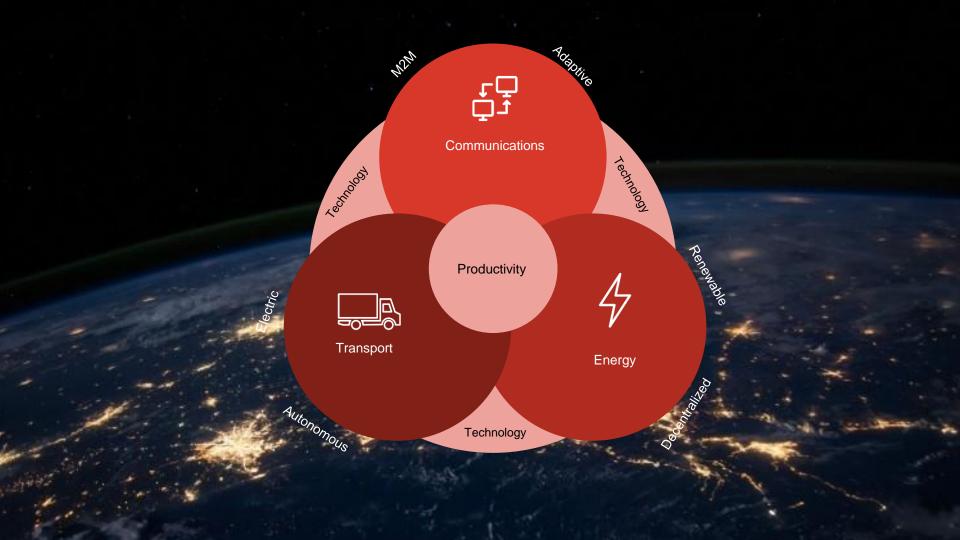


## **THANK YOU**

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### Invest in Learning NB

#### Netherlands: The Next Rembrandt



"It passes the creator's intention - intelligence, emotion, soul" - The New Yorker