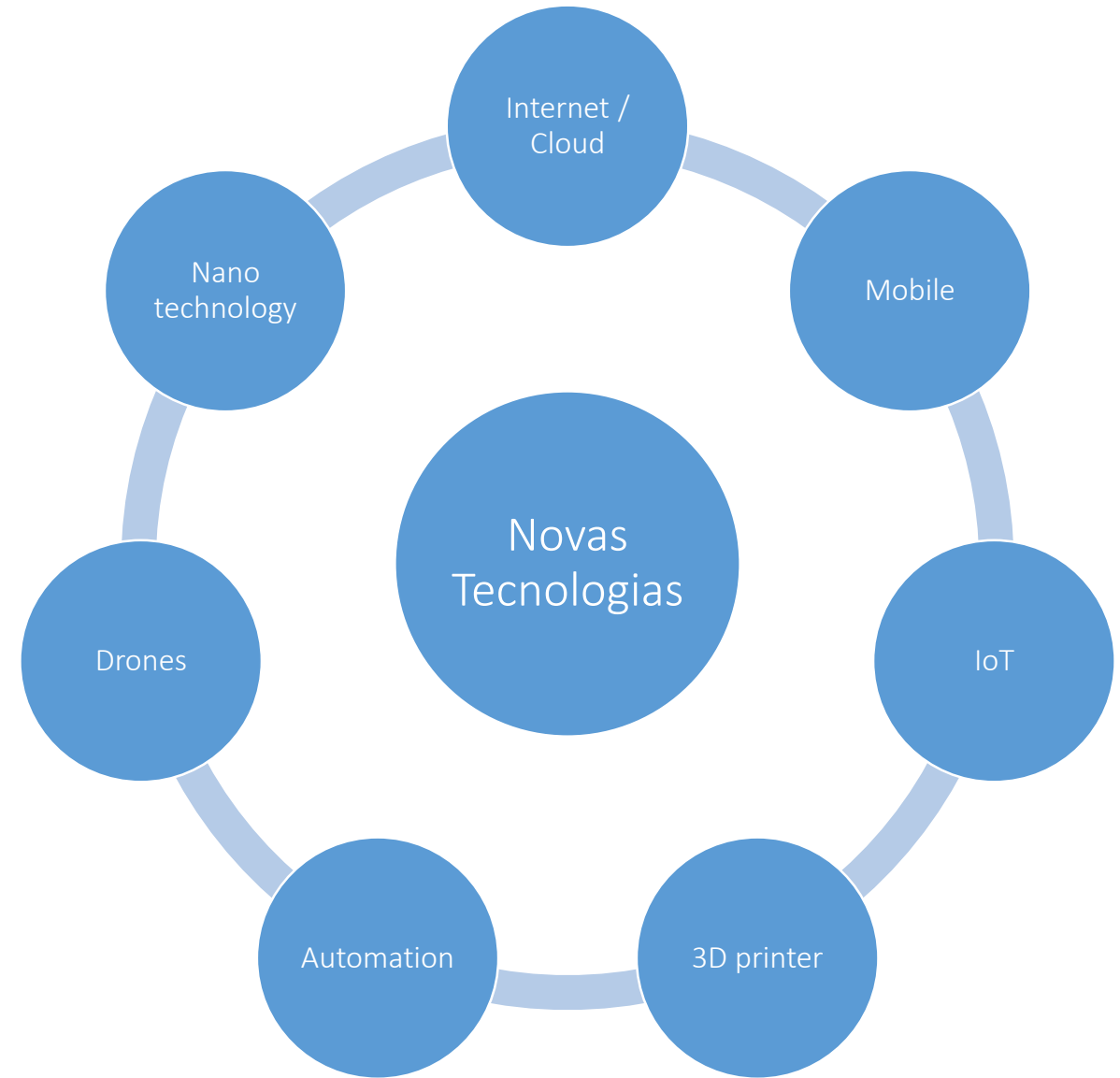
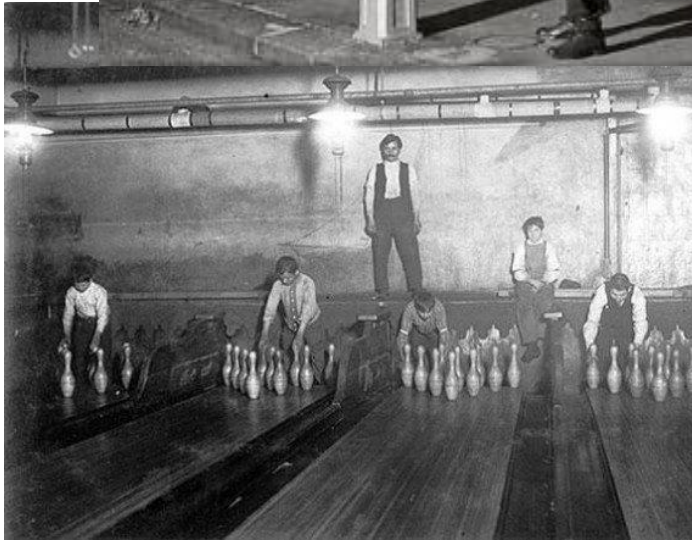


Efeitos da Tecnologia Digital  
nas profissões e emprego

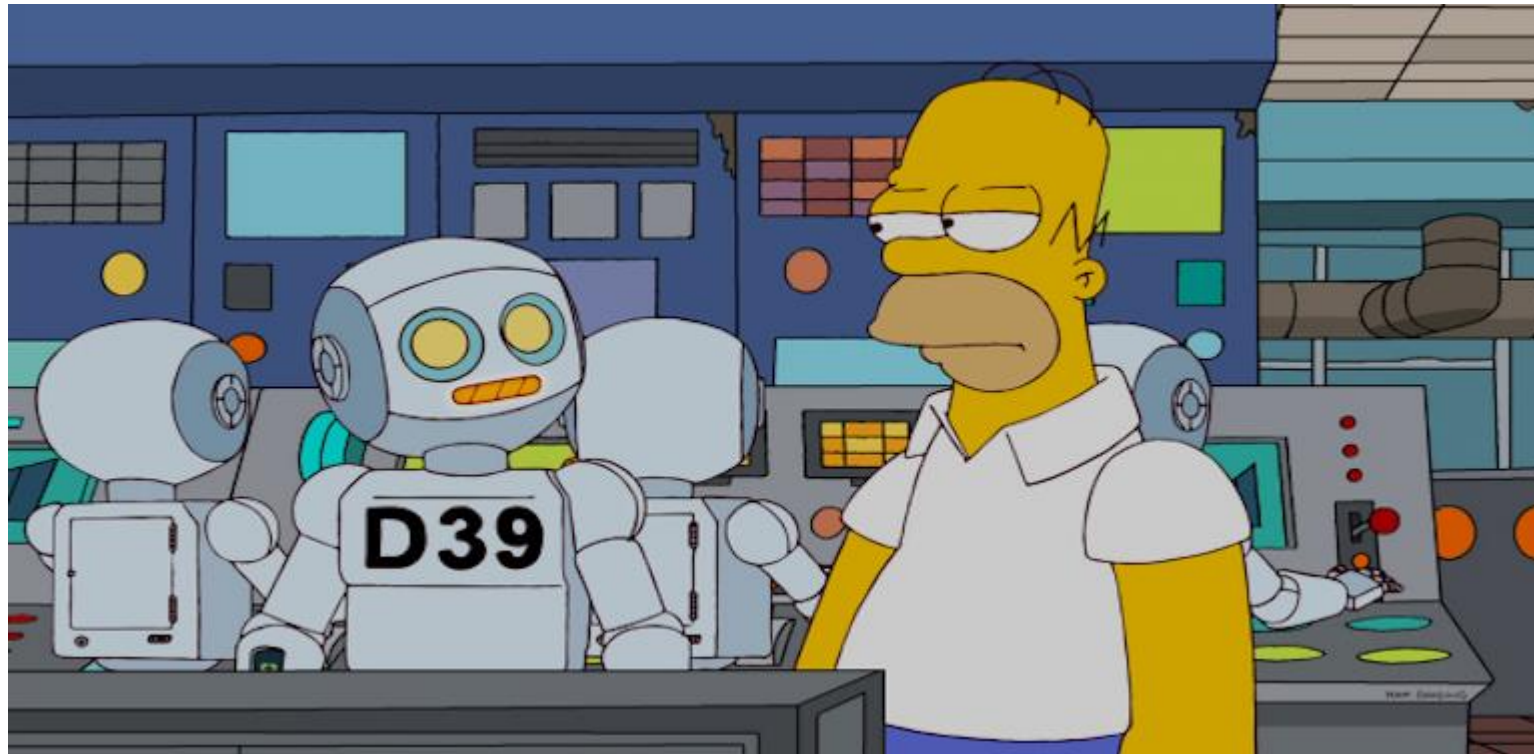
# O problema

A era digital irá aumentar os índices de desemprego ao redor do mundo?









Profissões ameaçadas...

Reporter



Comissário de bordo



Carteiro



Cozinheiro fast-food





# Inside Silicon Valley's Robot Pizzeria

**Zume, a new startup in Mountain View, is trying to make a more profitable pizza through robotics**

by **Olivia Zaleski**

24 de junho de 2016 09:44 BRT





Motorista de taxi



Cobrador de ônibus





Corretor de seguros



Atendente de contact center

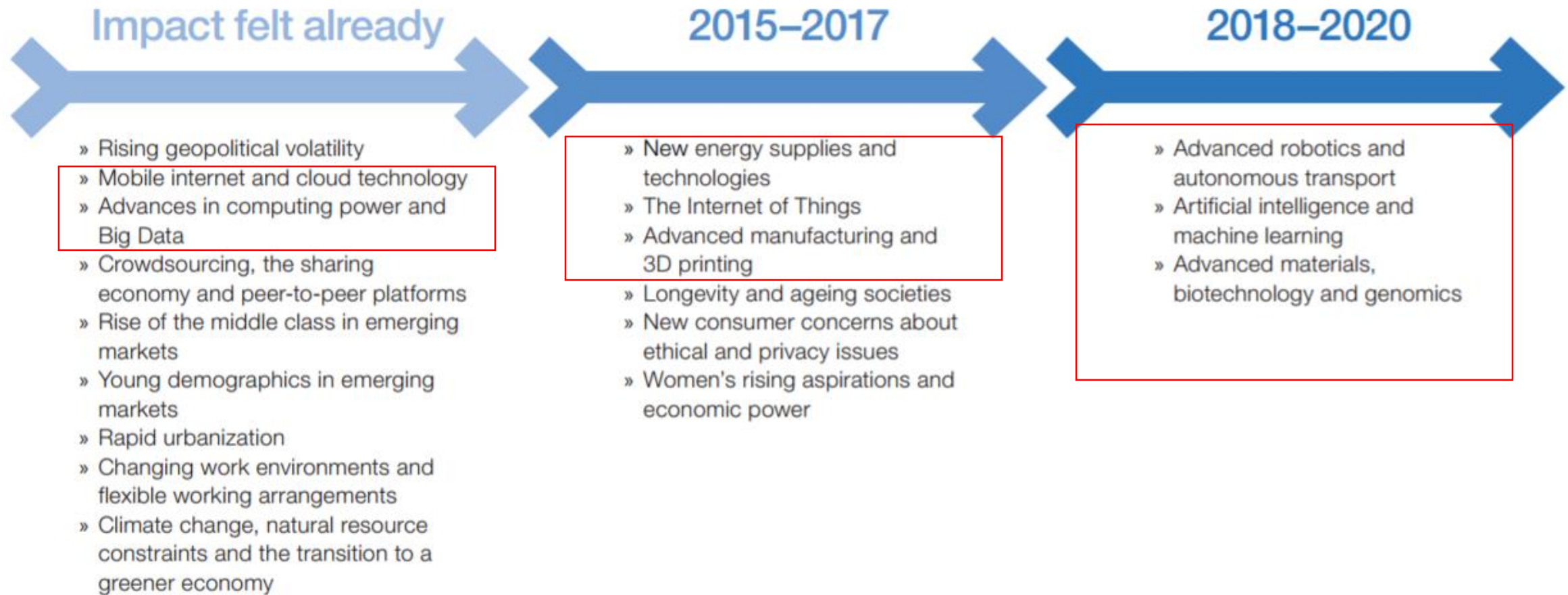


## Trabalhador industrial





**Figure 3: Timeframe to impact industries, business models**



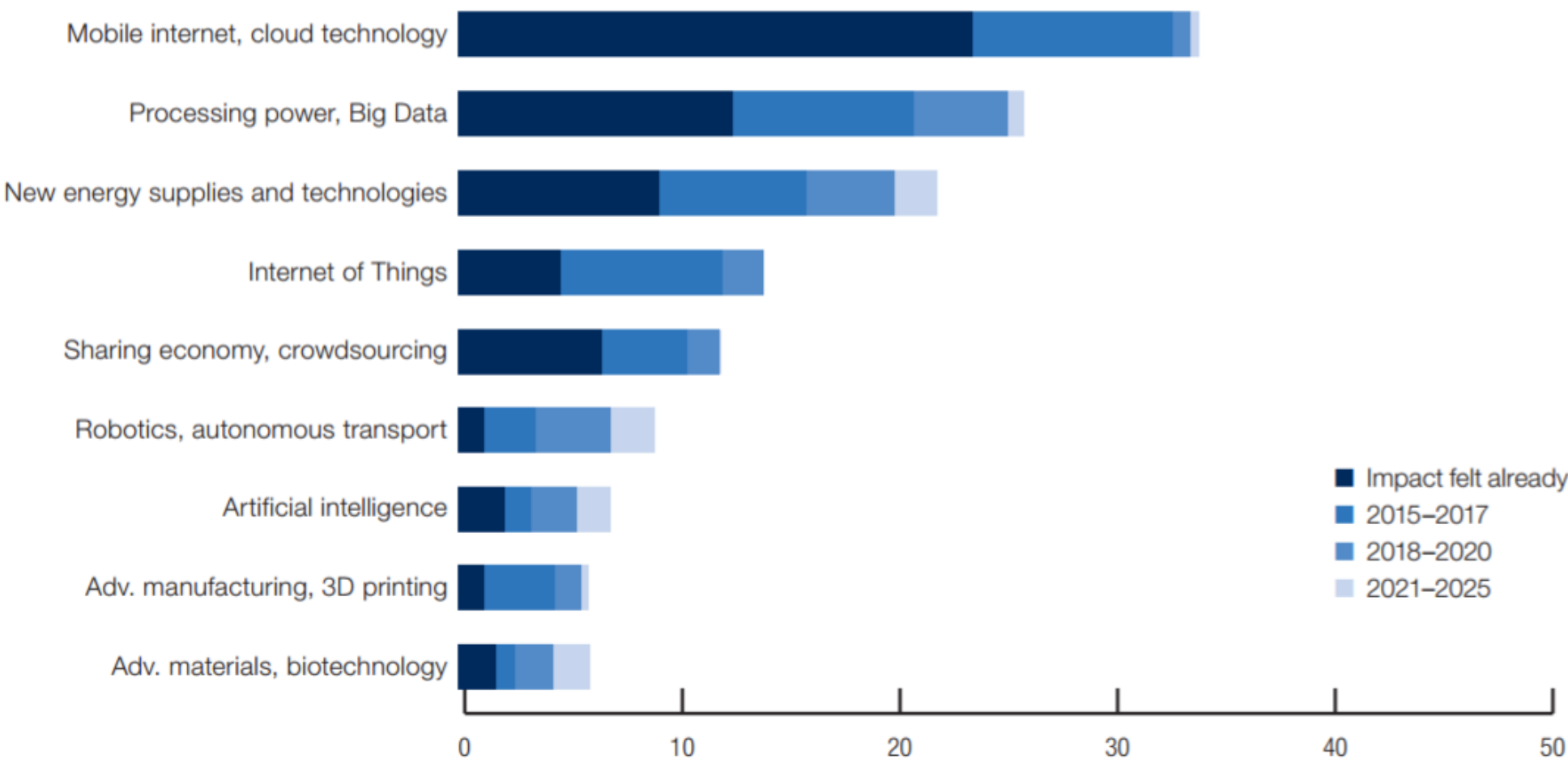
Source: Future of Jobs Survey, World Economic Forum.

Note: Names of drivers have been abbreviated to ensure legibility.



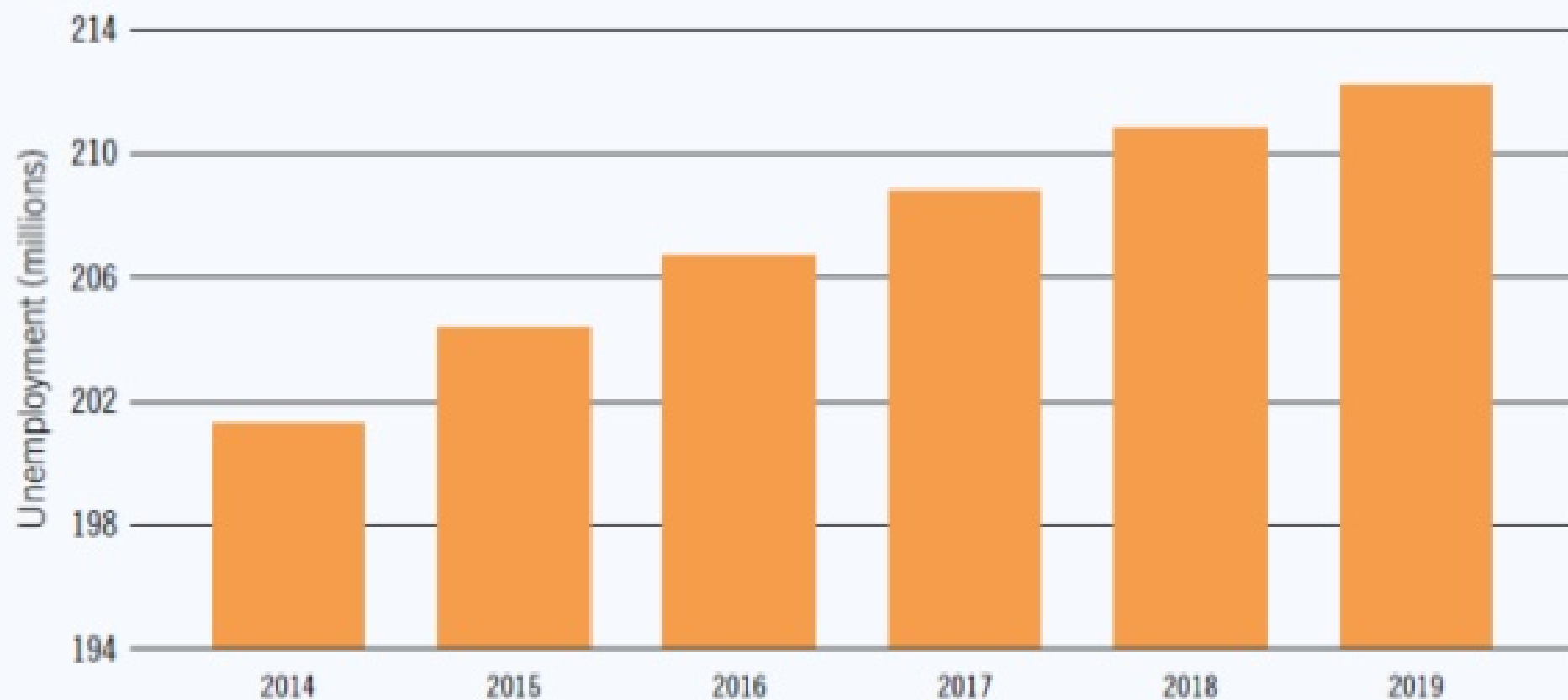
Figure 8A: Drivers of change, time to impact on business models  
Share of respondents, %

TECHNOLOGICAL



Source: Future of Jobs Survey, World Economic Forum.  
Note: Names of drivers have been abbreviated to ensure legibility.

## *Global unemployment (millions)*



**WORLD**

# UK government's AI experts predict employment apocalypse

**Martin Anderson** Thu 14 Jan 2016 2.44pm





# The robot apocalypse is going to look a lot different than what's in the movies



Instead of killing you, the Terminator might terminate your job. mgm

In 10-20 yrs, new technologies will eliminate 45% of current jobs in USA only. \*



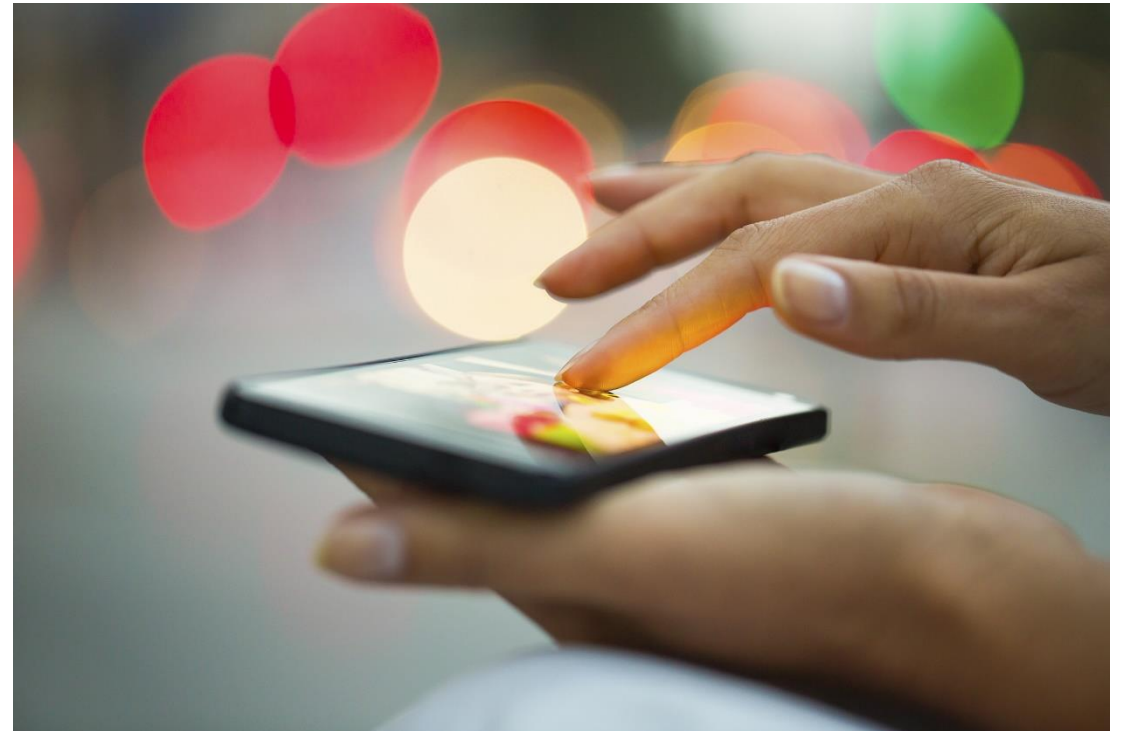
### Real Life Example

- Consumer Products Industry had about 500 material handles in a facility of about 2800 employees
- In 2003, an AGV (Automatic Guided Vehicle) project was introduced and eliminated them all
- A small team of 70 electronic technicians was hired to maintain and operate the new automatic system in 03 shifts.
- Job reduction: 86% in one single year

\* Source: Global Employment trends 2011, International Labor Organization (ILO)

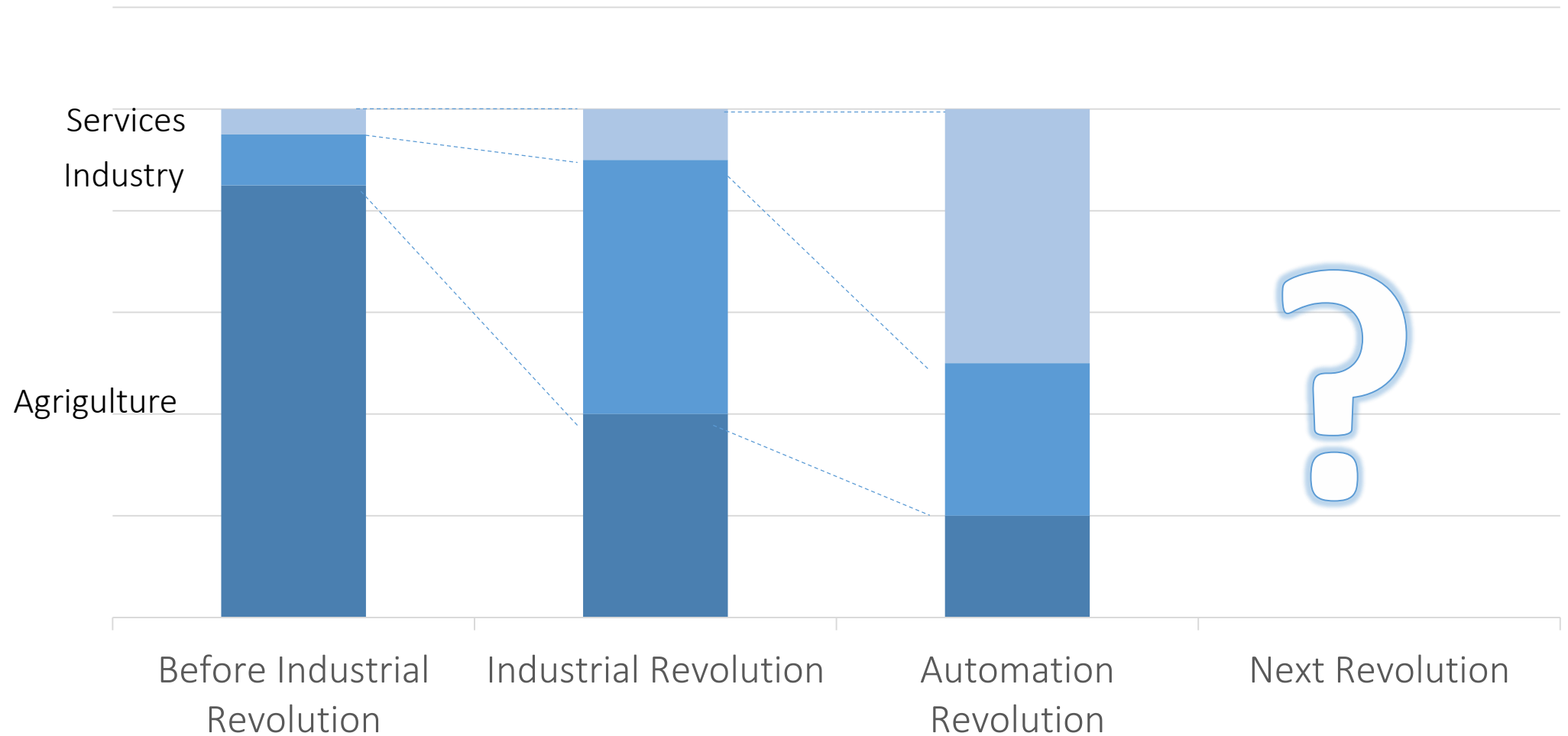
# ...on the other hand

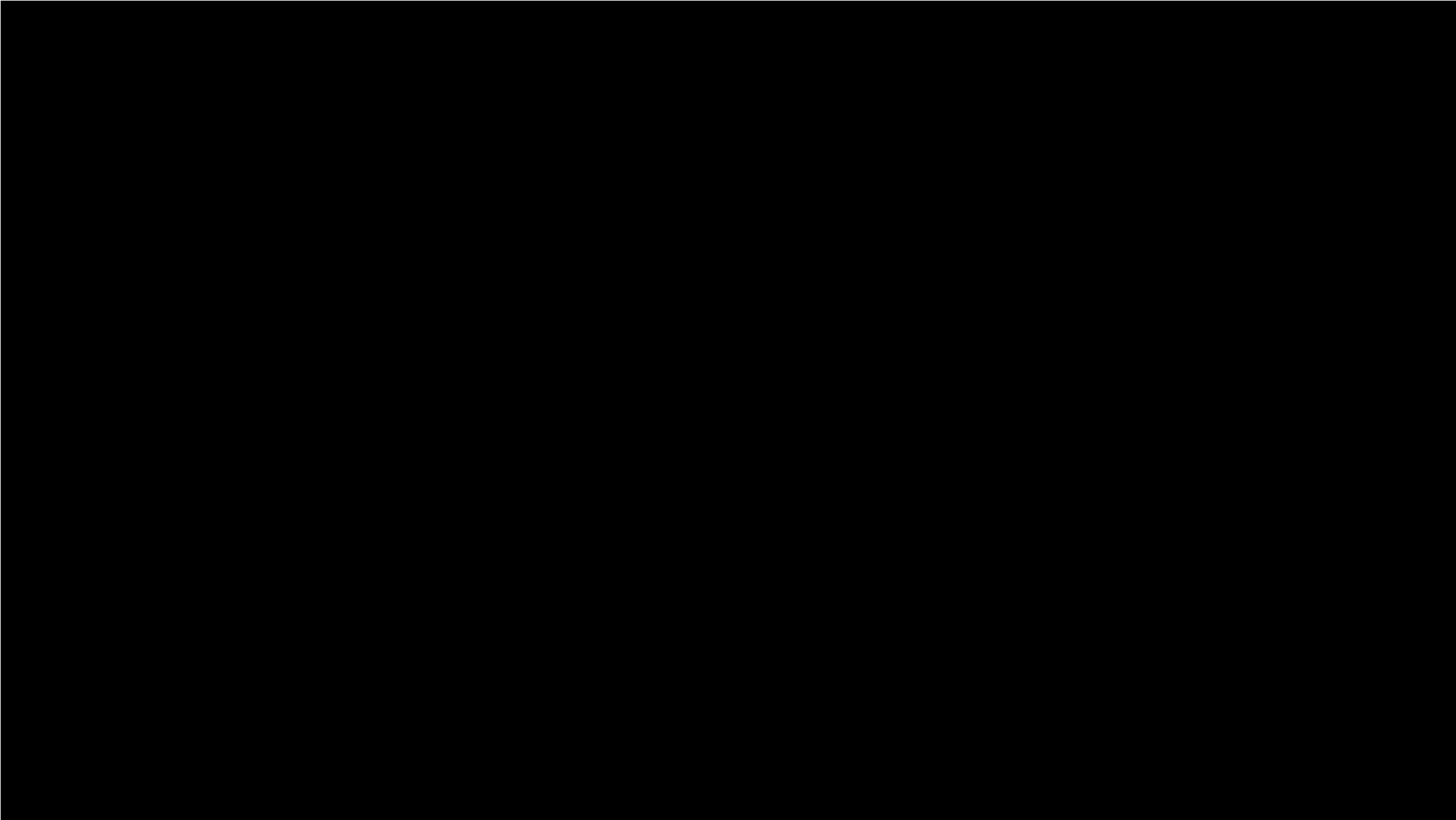
- **3 billion people** connected to the Internet
- Digitalization
  - Free
  - Perfect
  - Instantaneously
- Productivity gains
- Educational gains
- Access to financial services





# It's not the first time that we face a revolution





<https://www.youtube.com/watch?v=ystdF6jN7hc>



In addition to giving our children the science and math skills they need to compete in the new global context, we should also encourage the ability to think creatively that comes from a meaningful arts education.

— Barack Obama —



A person is walking away from the camera on a wooden floor. They are wearing a blue and red plaid shirt, dark trousers, and sneakers. They are carrying a brown leather bag with two straps and buckles. The background shows a wooden table and a wooden staircase.

# Obrigado!

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