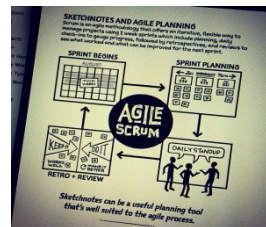


La transformación Digital en la Industria: Industria 4.0. Fabricación Aditiva

II CONGRESO NACIONAL SOBRE FABRICACIÓN ADITIVA.
AUDITORIO VICTOR VILLEGAS
MURCIA, 4 DE DICIEMBRE 2019.

Aditiva4.0

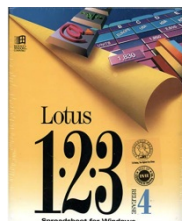
Víctor Paluzié Ávila
PDG IESE Business School
Industry 4.0 IESE Business School
PADE Transformación Digital IESE



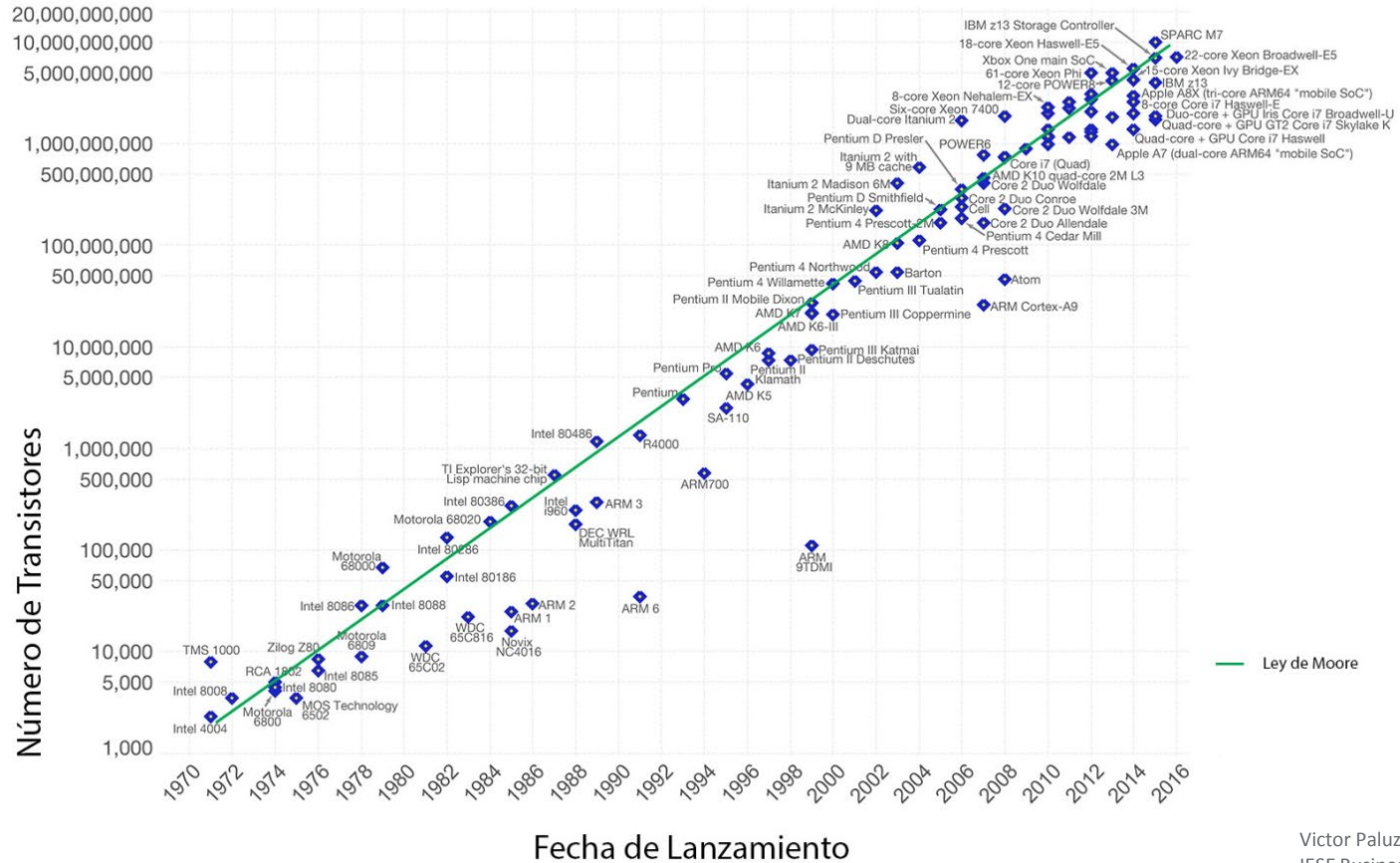
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1. Introducción: La Transformación Digital
2. La Transformación Digital Radical.
3. La Transformación Digital en la Industria: La Industria 4.0.
4. La Fabricación Aditiva: Panorama actual.
5. Conclusiones finales.

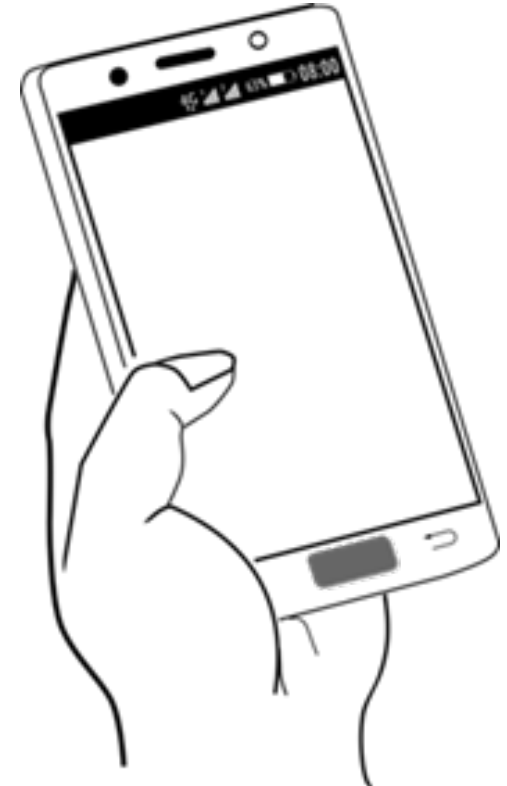
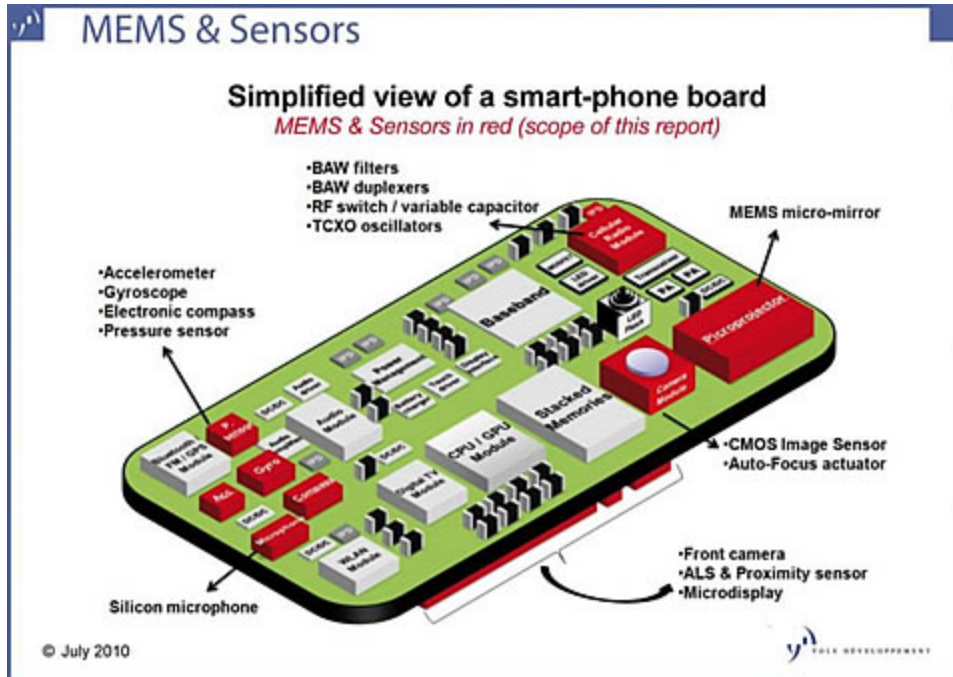
La Transformación Digital



Procesadores vs. Ley de Moore

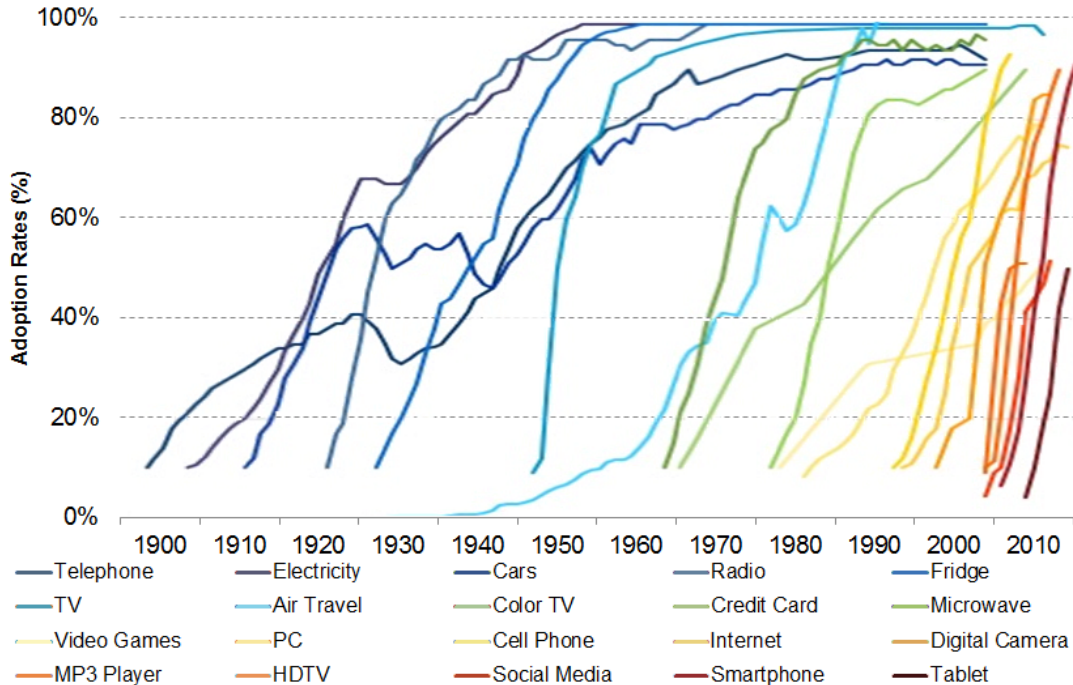


La Transformación Digital se transforma en Radical



La Transformación Digital se transforma en Radical

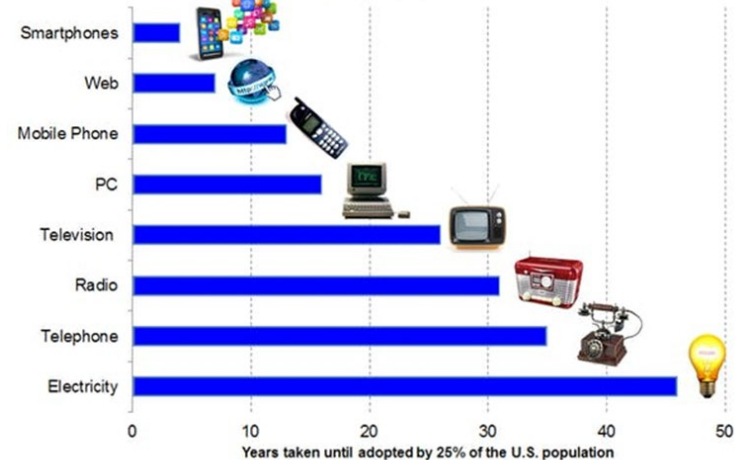
Adoption of Technology in the US (1900 to the Present)



Market Realist^Q

Source: BlackRock

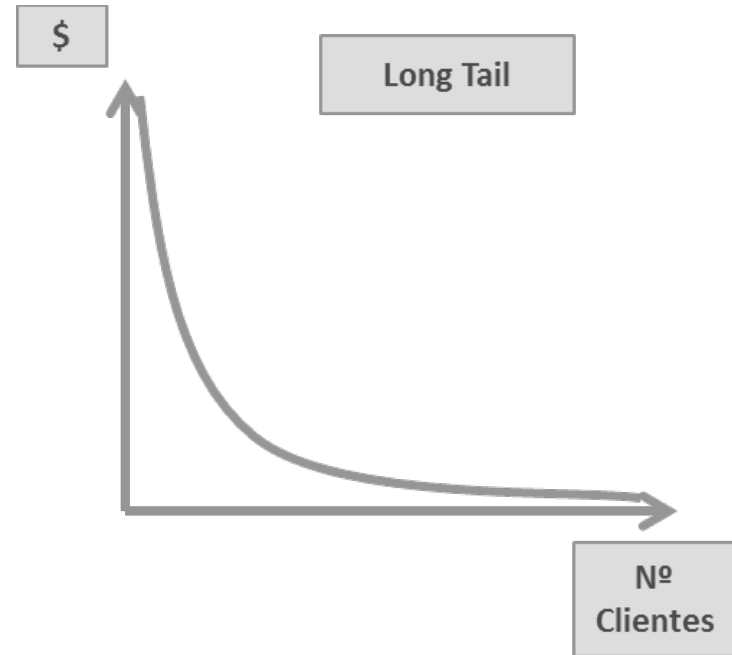
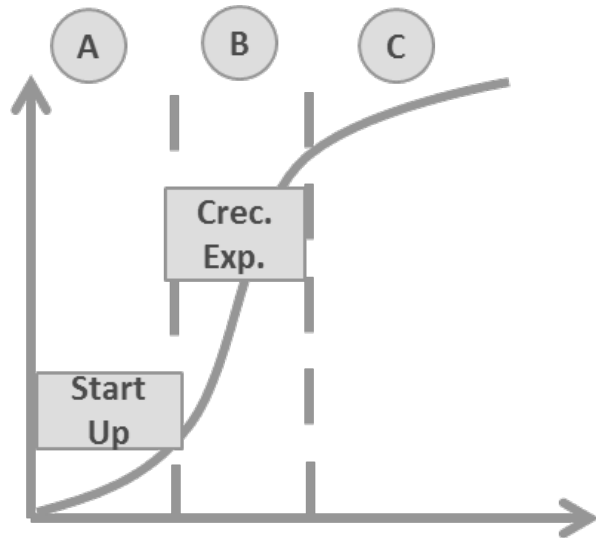
Technology Adoption Rates



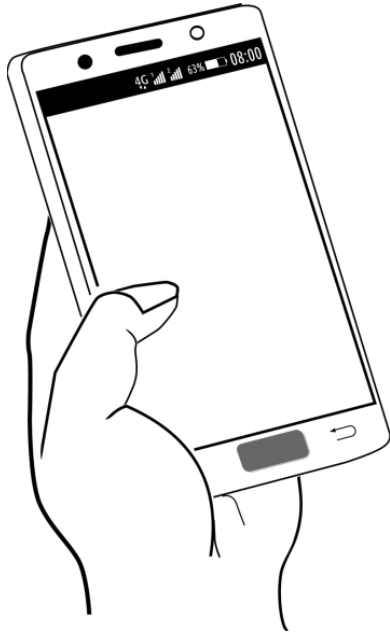
Market Realist^Q

Source: U.S. Census, Wall Street Journal

La Transformación Digital se transforma en Radical



La Transformación Digital Radical



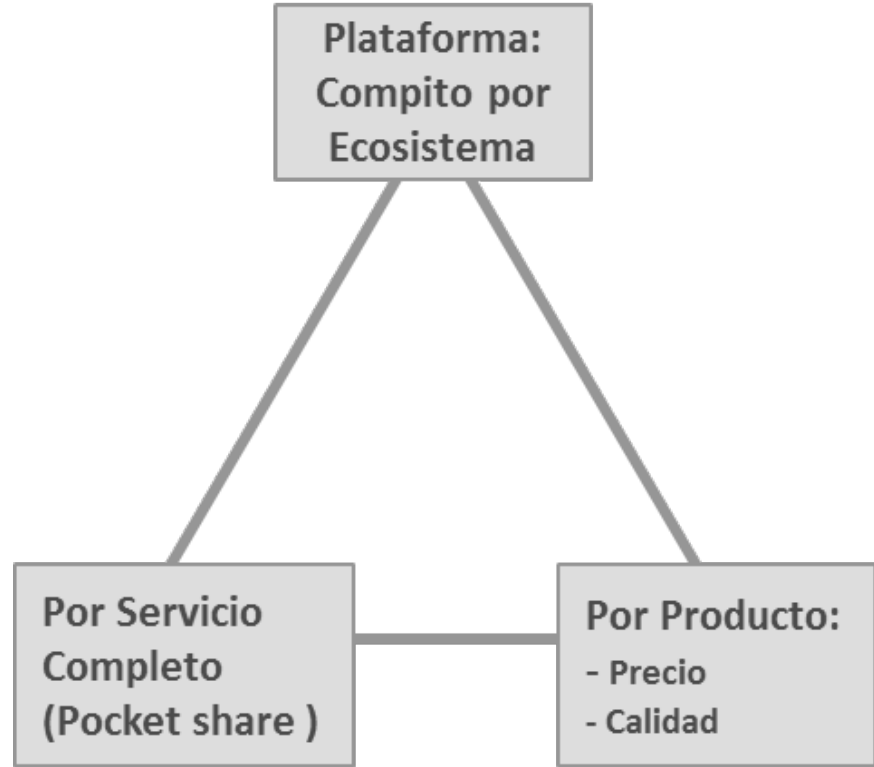
IPv6:



670 mil
billones de
direcciones x
 mm^2 de
superficie de la
tierra

- CONSUMERIZACIÓN
- DENSIDAD DIGITAL

Modelo Delta



La Transformación Digital Radical

Top 5 Publicly Traded Companies by Market Capitalization

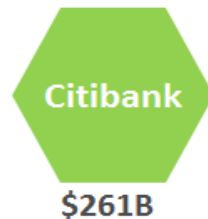
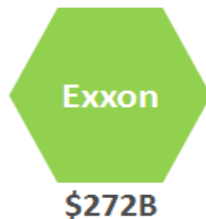
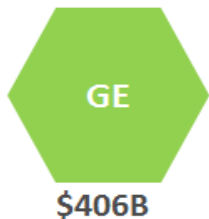


Digital



Other

2001



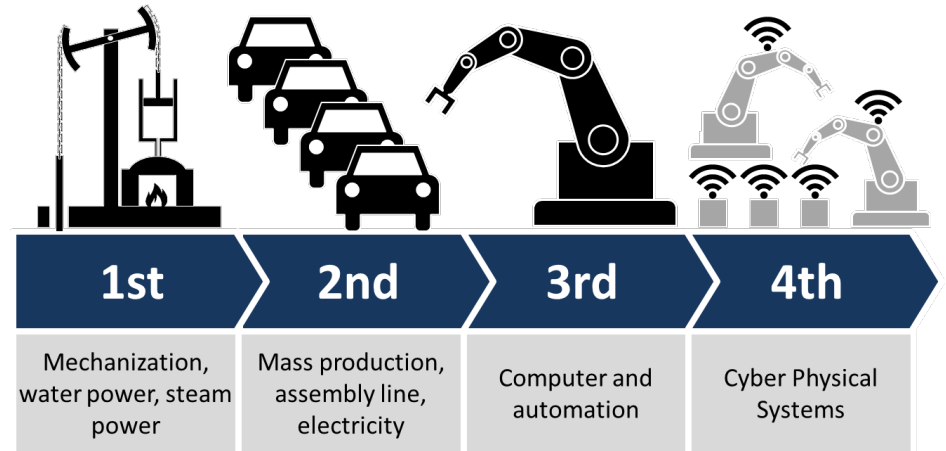
2016



→ Digital has beaten everything else!

La Industria 4.0

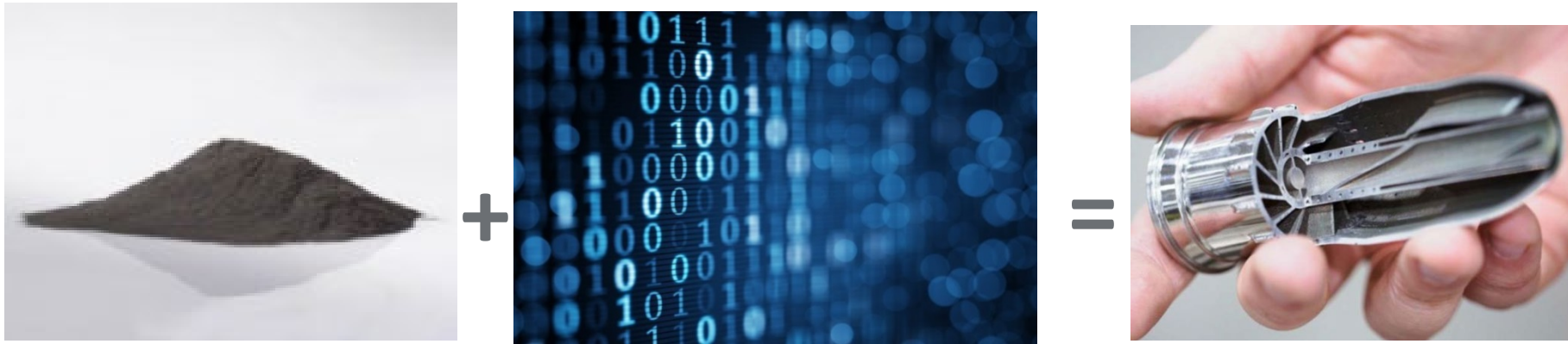
- QUE OCURRE CON LA INDUSTRIA
- LA INDUSTRIA MANUFACTURERA
- LA FABRICACION ADITIVA



La Fabricacion Aditiva: Panorama actual

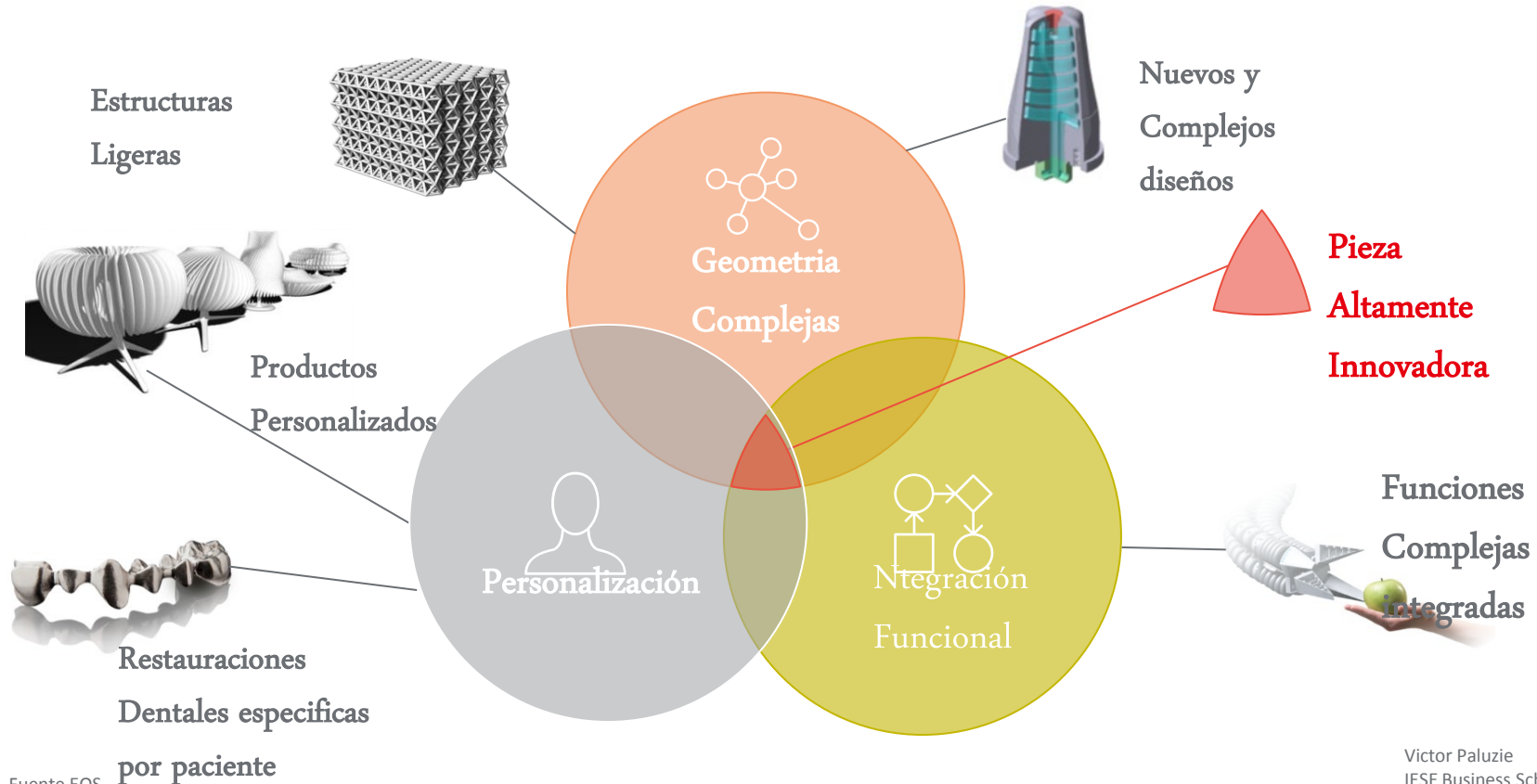
The Production of the Future is Digital

Additive Manufacturing is Digital



La Fabricación Aditiva: Panorama actual

Características de una Pieza Altamente Innovadora



La Fabricacion Aditiva: Panorama actual



**“ASSET SPECIFICITY”
y
“ASSET TRAP”**

La Fabricacion Aditiva: Panorama actual

The technology is evolving ...

Yesterday:
Prototyping



Technological
capabilities

Today:
Pre-production



- Part quality
- Process robustness
- Cost per part

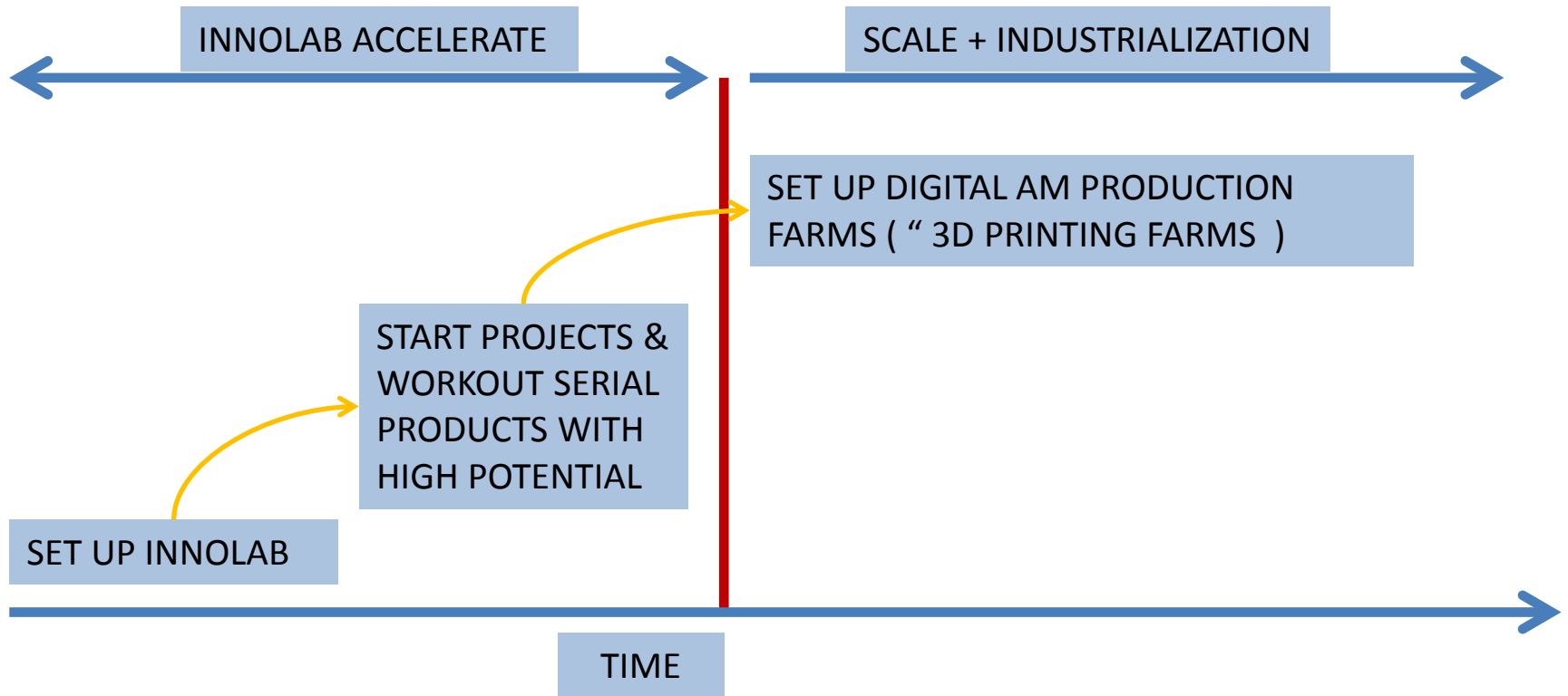
Until 2020:
Production ramp up



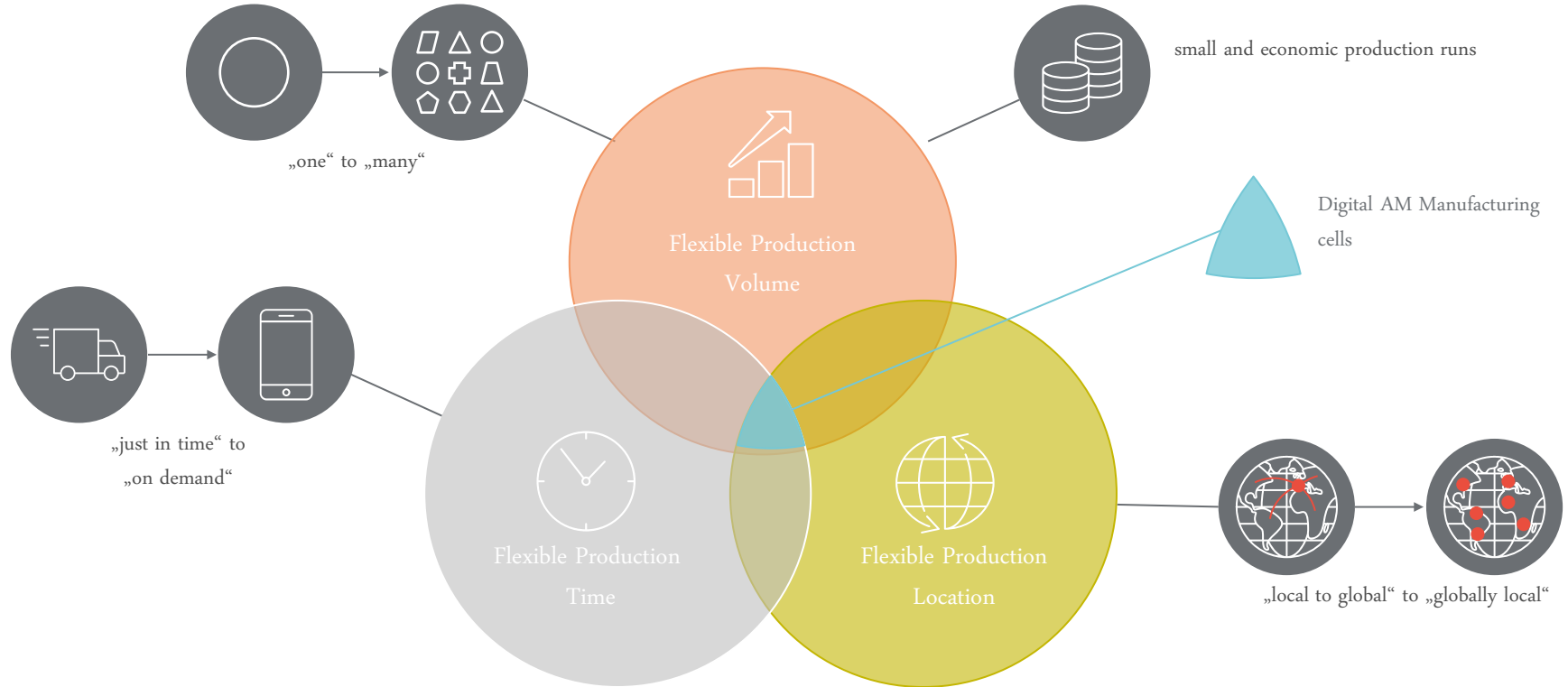
- Quality control
- Total cost (TCO)
- Automation
- Technology integration



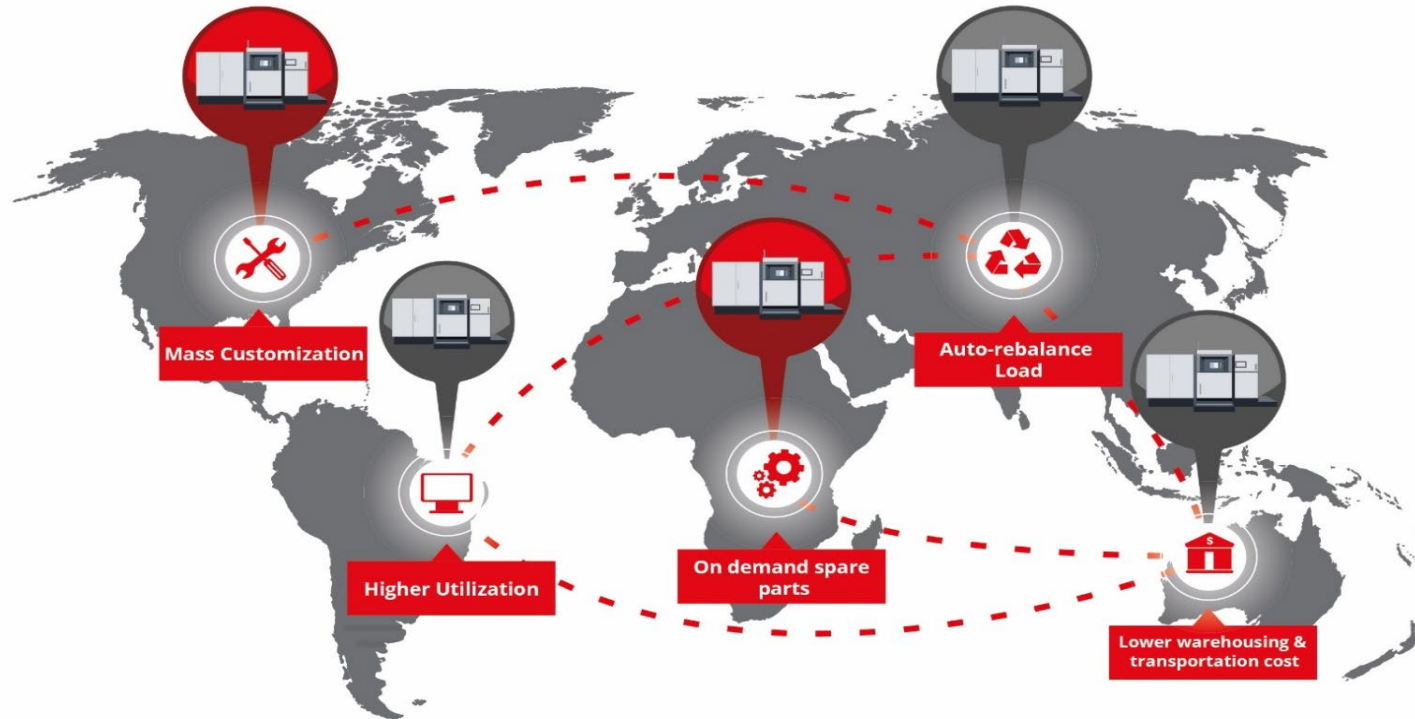
Additive Manufacturing is a key technology for advanced industrial production.



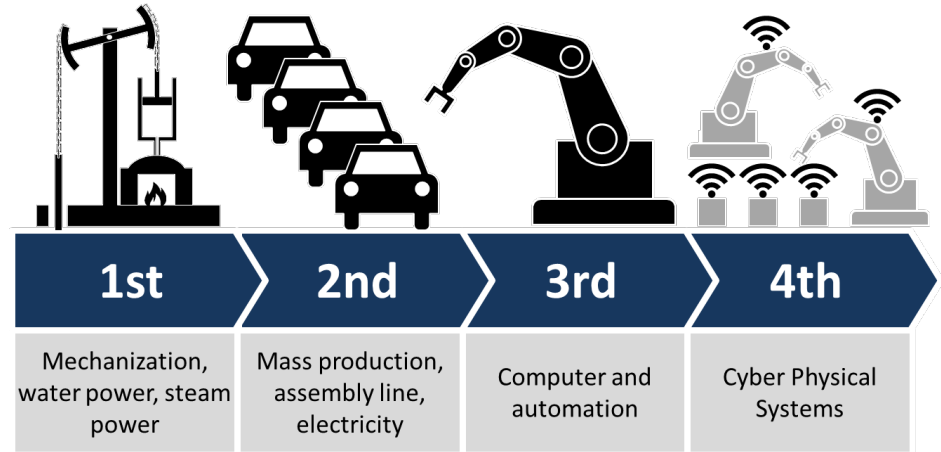
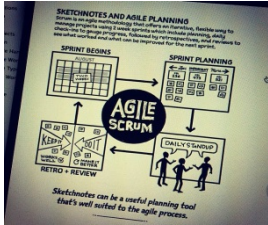
Characteristics of a highly efficient AM Production Chain



The factory of tomorrow: Decentralized manufacturing hubs – a ‘global integration’



La Industria 4.0



*Os invitamos a atravesar la puerta
de la Transformación Digital en la
Industria.*

*Es Disruptiva y requiere de Visión y
Estrategia.*

*Os acompañaremos y apoyaremos,
Sumamos ya 30 años haciéndolo con
EOS GmbH !!*

Q & A

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RMS Rapid Manufacturing Systems SL

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