

# Spain & Industry transformation



Mr Sergio Peña Miñano

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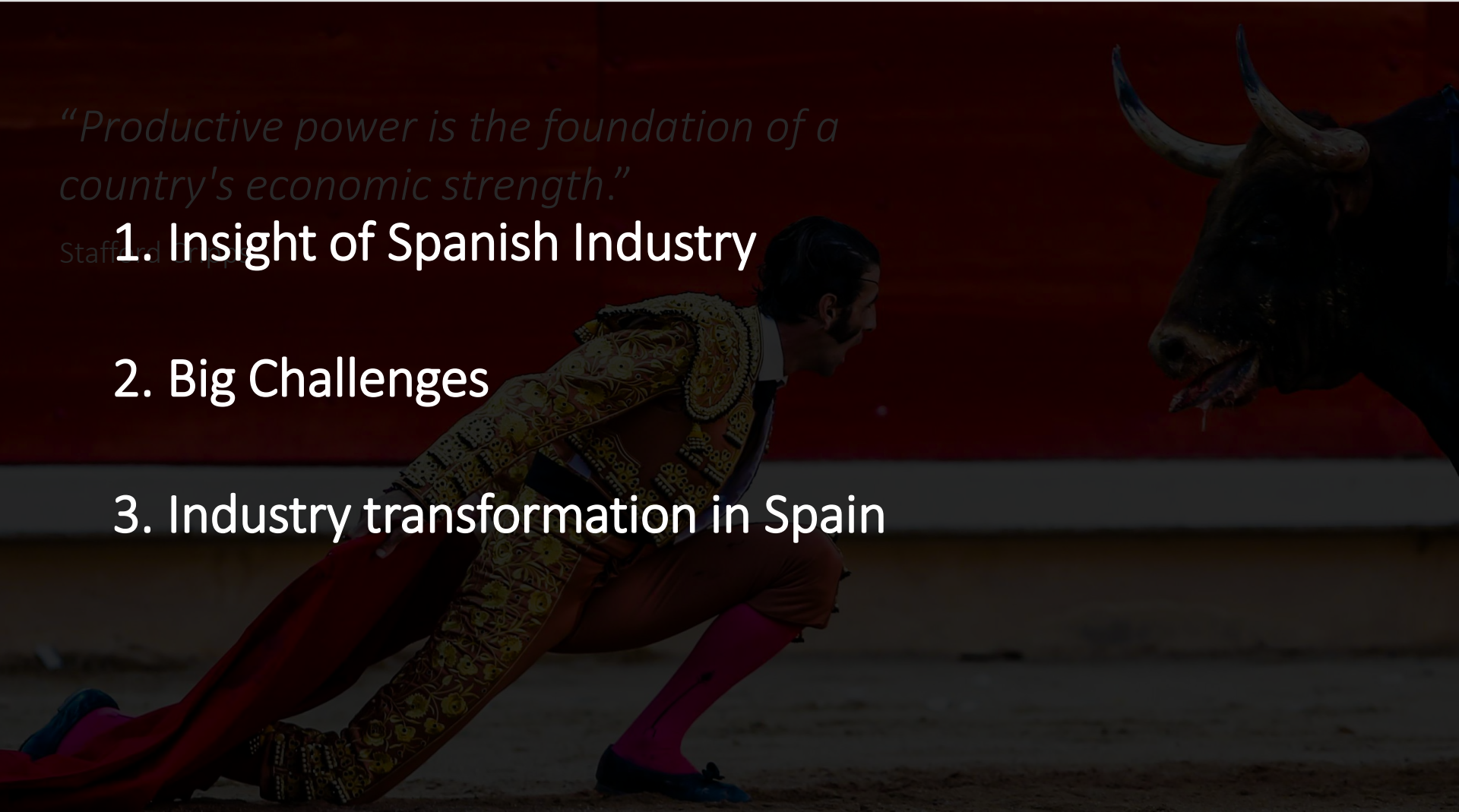
# Presentation Outline

*"Productive power is the foundation of a country's economic strength."*

Stafford  
1. Insight of Spanish Industry

2. Big Challenges

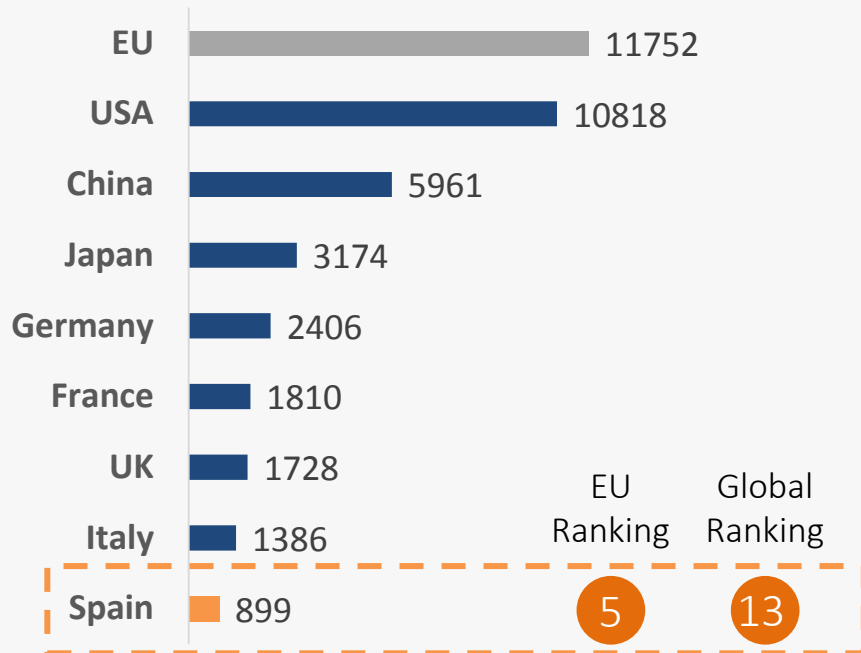
3. Industry transformation in Spain



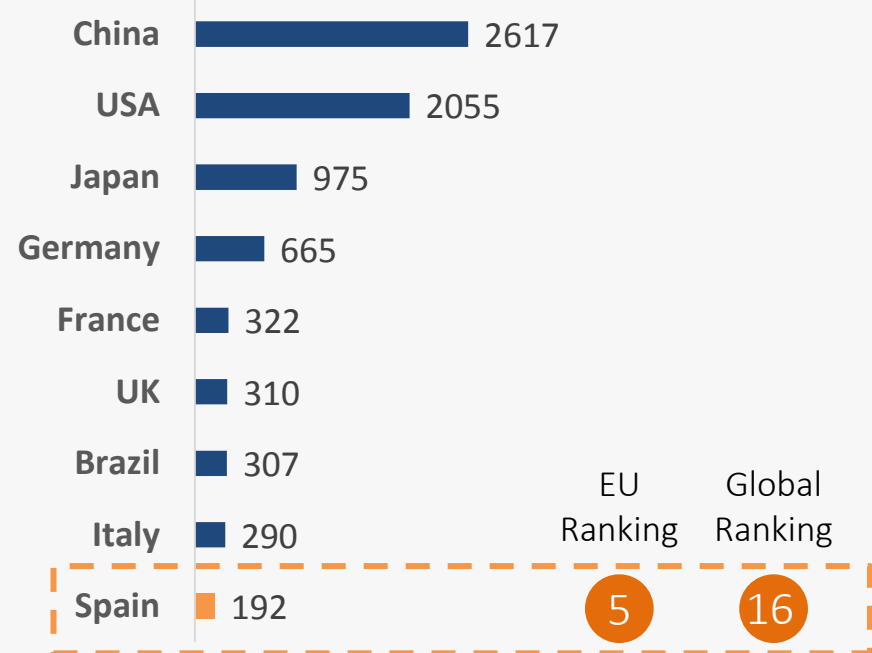
# Insight into the Spanish Industry

## Global Economic Context

GDP (thousands of millions, £, 2013)

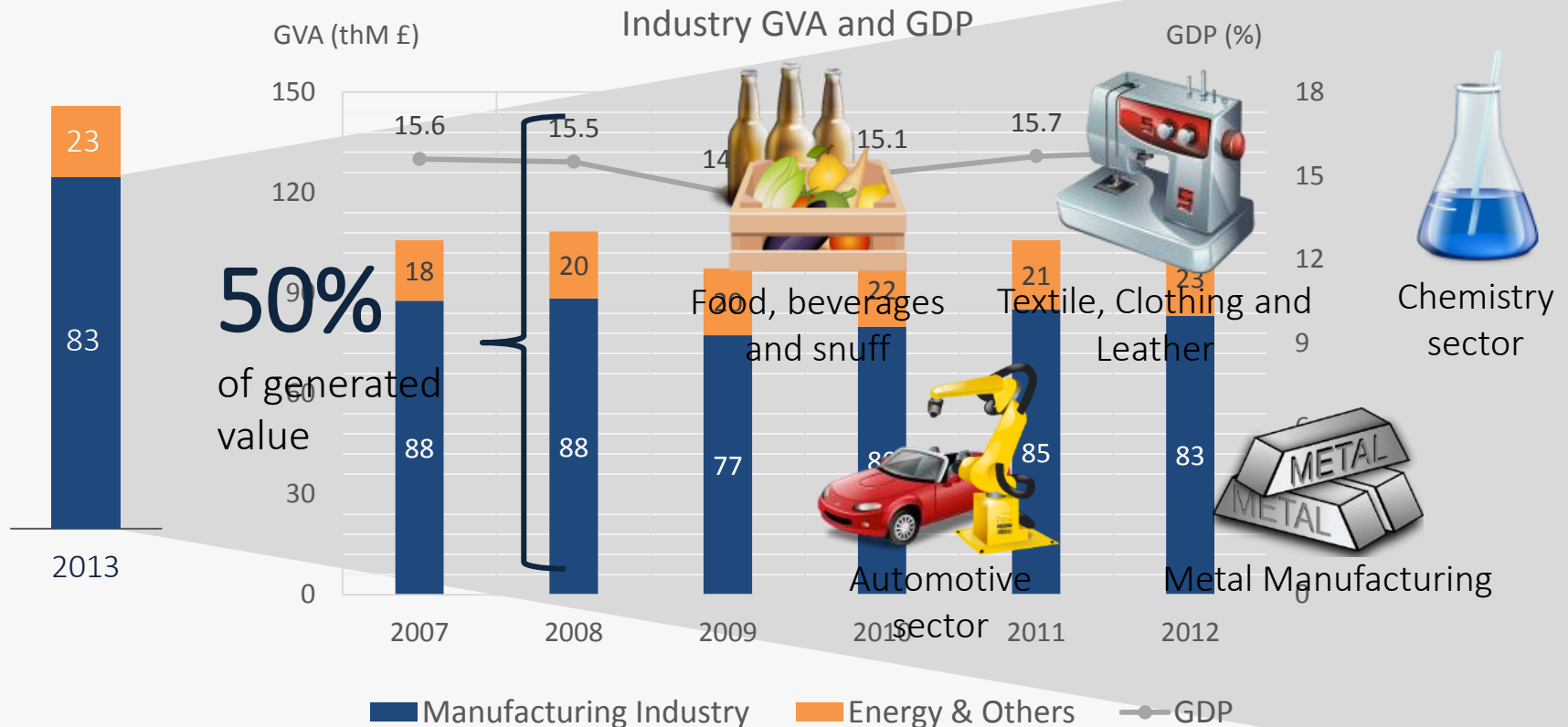


Industry value (thousands of millions, £, 2013)



# Insight into the Spanish Industry

## Industry Evolution & Major Manufacturing Sectors



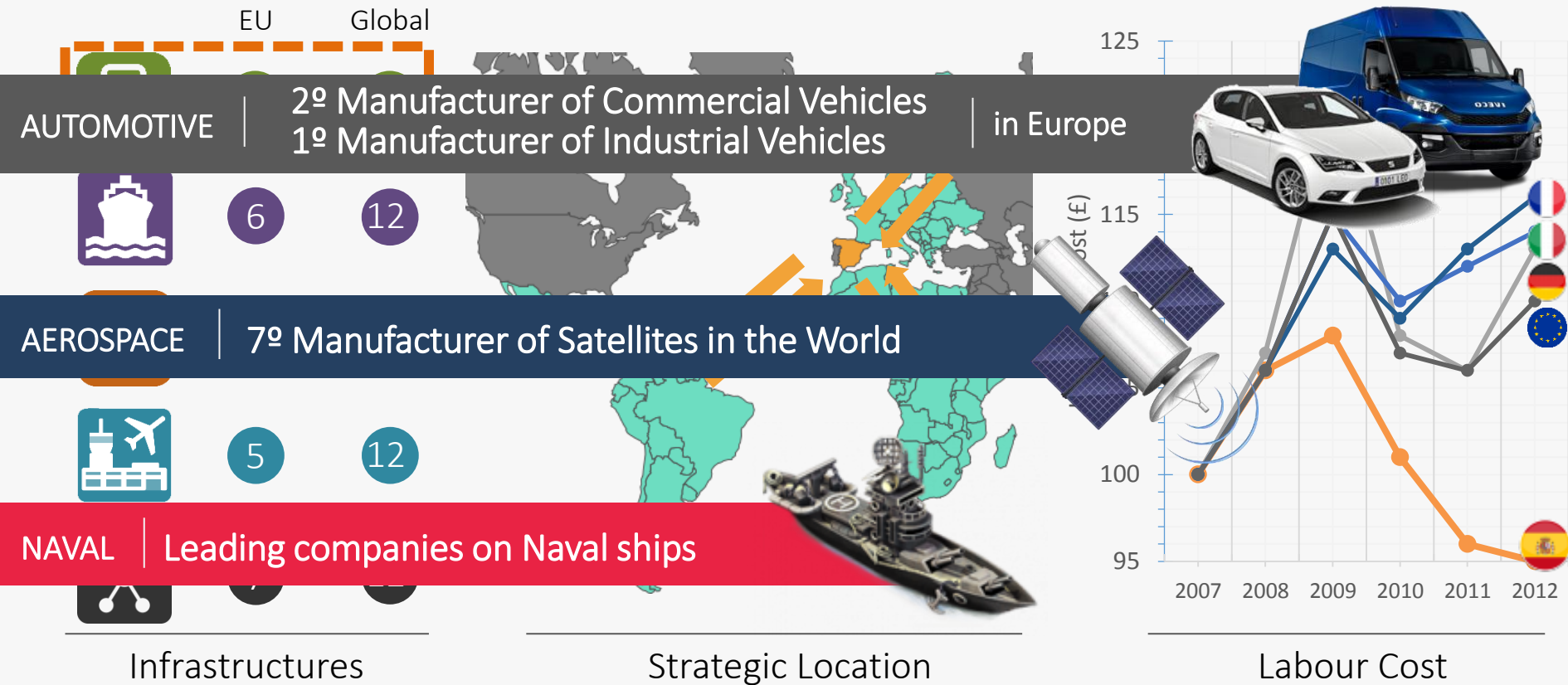
Source: Industry development agenda of Spanish government. 2013. [LINK](http://www.minetur.gob.es/industria/es-ES/Servicios/Documents/Agenda-fortalecimiento-sector-industrial-Espa%C3%B1a-Definitivo-Publica-Correccion-2-2.pdf)

<http://www.minetur.gob.es/industria/es-ES/Servicios/Documents/Agenda-fortalecimiento-sector-industrial-Espa%C3%B1a-Definitivo-Publica-Correccion-2-2.pdf>



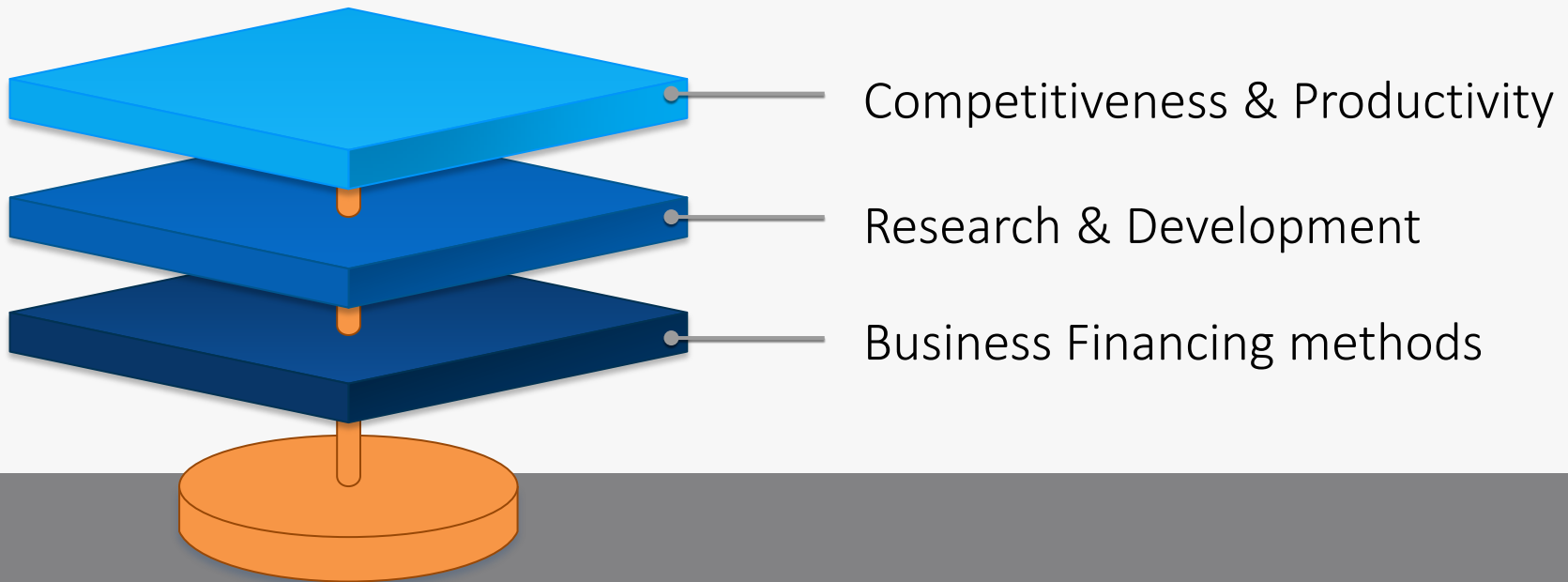
# Insight into the Spanish Industry

## Strengths and advantages



# Big Challenges

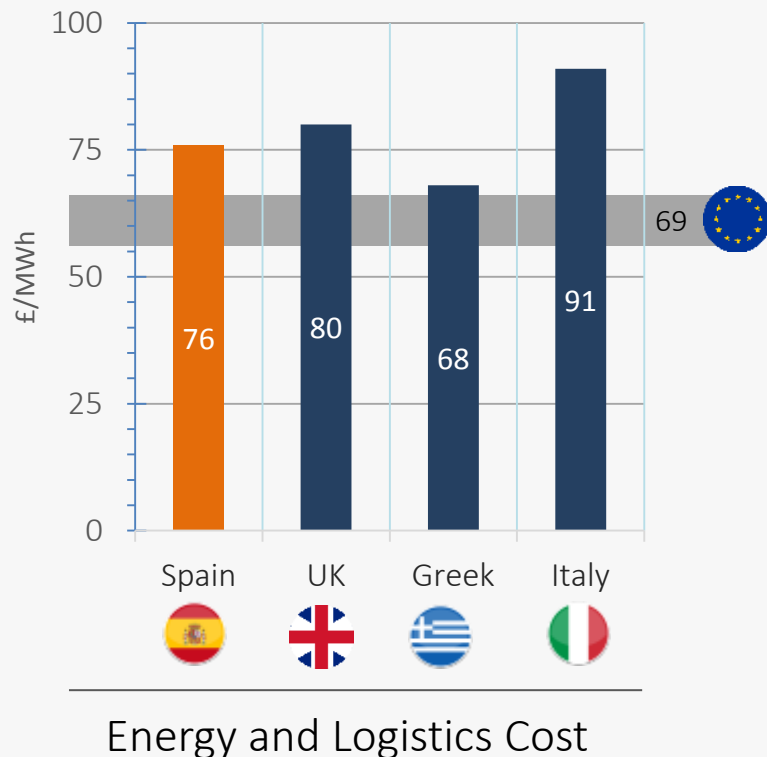
## Challenges identification



The Spanish Industry development is conditioned by overcoming its three big challenges

# Big Challenges

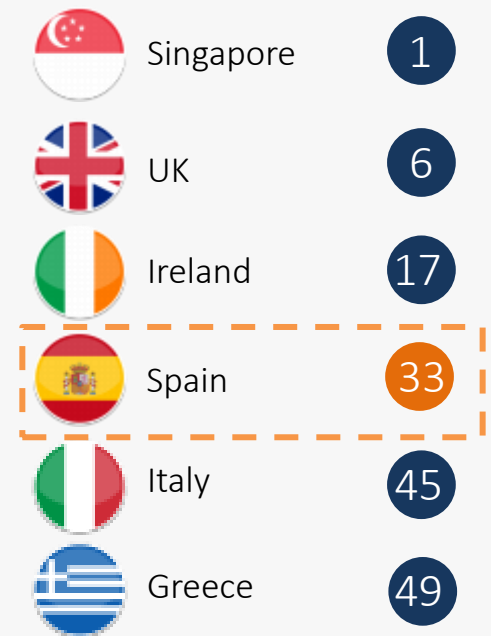
## Competitiveness & Productivity



81%  
of population are  
internet users

42,5%  
usage of  
information systems

Technology adoption

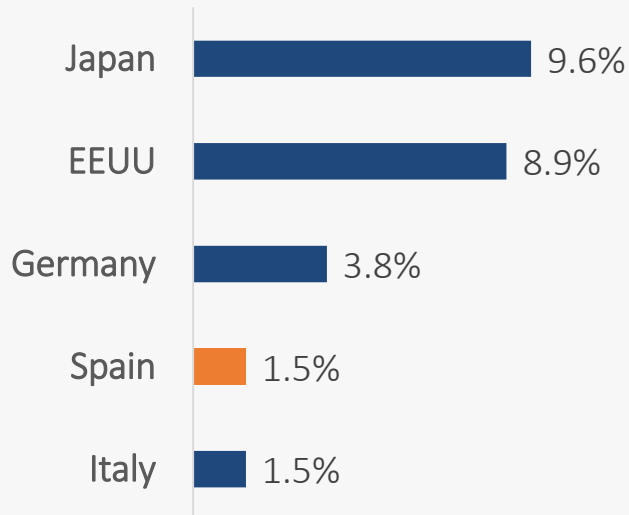


Easiest to start a  
Business

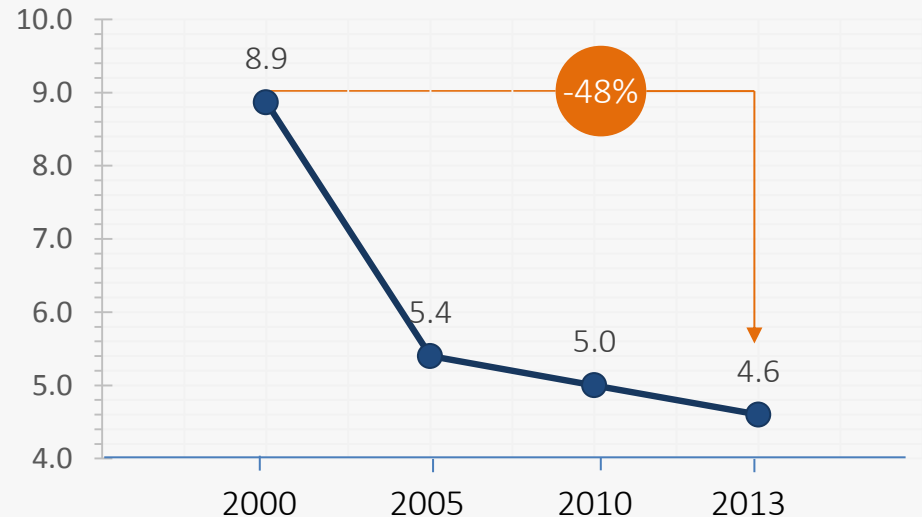
# Big Challenges

## Research & Development

**Industrial R&D Investment** (Industrial R&D Investment / Industry GDP, 2013)



**R&D Investment by Spanish companies** (thousands of millions, £, 2013)

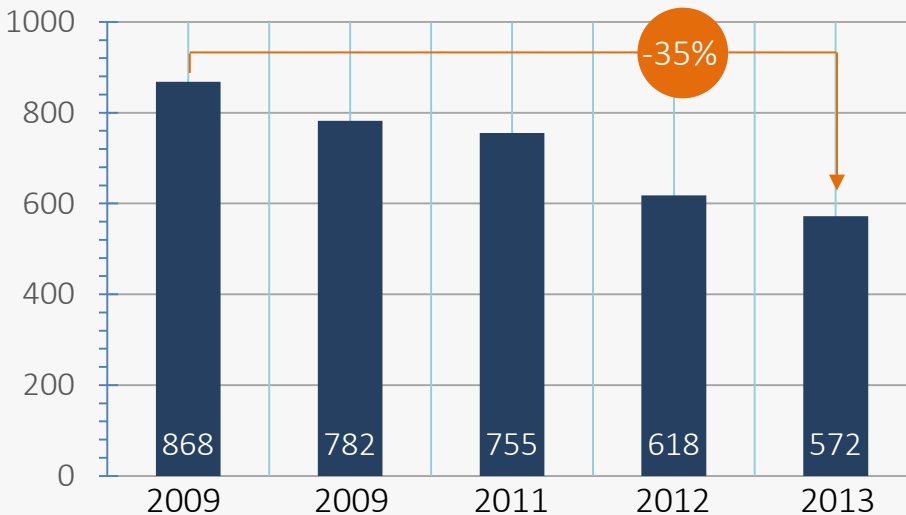




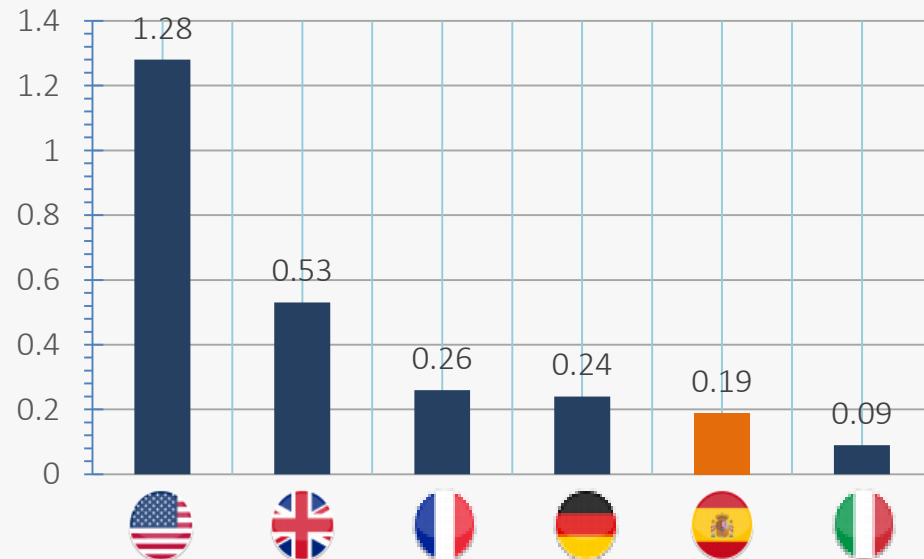
# Big Challenges

## Business Financing methods

Evolution of investment in Spanish industry (thousands of millions, £)

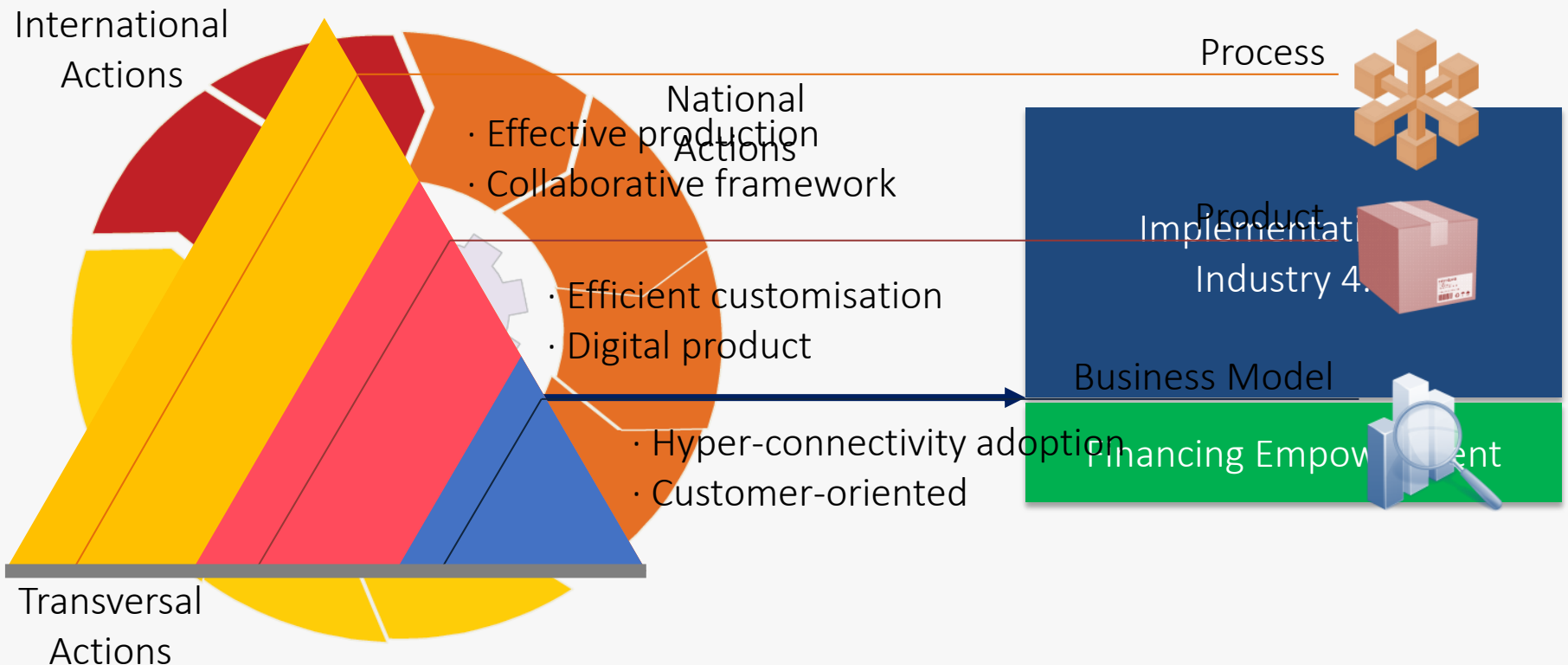


Venture Capital Investment / GDP (% , 2013)



# Industry transformation in Spain

## Planning for industry strengthening



# Industry transformation in Spain

## Examples of Industry 4.0 in Spain

The logo for lantek, featuring the word "lantek" in a bold, teal, sans-serif font.

### Manufacturing technologies consultancy

Innovative tools for implementing intelligent factory concept around the world. Basque country for Automotive sector.



### Galician Shipyards 4.0

Project to implement Big Data, Drones for maintenance in the inventory, and Virtual Reality for operators.



### Sheet metal cutting company

Business process improvement using real-time data and centralised activities of the whole factory.

# Concluding Remarks

- 
- Spain has a **significant role** in the industry world, and it is a reference in some industry fields.
  - Government is **pushing the industry economy**, lessons learned from other countries are very important.
  - Spanish **industry is changing**, and Change Leaders are needed.



**THANKS FOR YOUR  
ATTENTION**

