

**prometeia**



CONFINDUSTRIA BERGAMO

# The oil & gas valve industry in Italy

BUSINESS STRUCTURE, PERFORMANCE AND RECENT TRENDS

Edition 2018

Milan, July 5<sup>th</sup> 2018

→ **Executive Summary**

→ Business structure

→ Italy's role in the European oil & gas valve industry

→ The Italian firms' performance

→ International trade and Italy's export performance

# Executive summary (1/3)

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- With an annual turnover of **3.3 billion Euros** generated by **300- firms** (with ~11000 employees) , the **Italian producers of industrial valves technologies and flow control solutions for Oil & Gas** are among the most relevant “hidden champions” in the Made in Italy Manufacturers landscape. A sector still not completely known by the general public, but that embodies the best of Made in Italy manufacturing: leadership in niche areas, high value-added productions and service, continuous investments in R&D and a strong export-oriented vocation (almost 90% of turnover is earned abroad).
- As far as this business is concerned, **Bergamo is the hub of an industrial district** across provincial boundaries that encompasses **more than 90% of the national production**. In this area there are some of main Italian (and global) producers and many small and medium-sized enterprises specialized in the manufacture of parts and components for valves.
- According to latest data available, the **Italian leading positioning** in this business also stands out at **European level** where Italy contributes for 31% of total production of industrial valves, ahead of Germany (26%), UK (13%) and France (11%). Furthermore, Italy is the only top EU producer that shows significant production levels in all types of valves. One out of two **ball valves** produced in EU is Made in Italy and about 30% of **gate and butterfly European valves** are produced in Italian plants. Below the average only the **globe valves**, for which the percentage produced in Italy falls to 10%. Finally, Italy ranks first in the EU even when it comes to **parts and components** (29%), a further evidence of the completeness of the complete Italian supply chain.

## Executive summary (2/3)

- **During the 2015-'16** the European valve for oil&gas production showed a **cumulative decrease of 10%** compared to 2014. In 2016, one year late with respect the general trend, a contraction **also involved Italian production**, which fell by 9.5% after a positive 2015 (+5.4%). Given the importance of the overall Italian production, the most significant drop concerned **ball valves (-3.4%)** and **components (-8%)**, compared to a relevant increasing trend for **gate valves (+39.4%)** and a good performance for **butterfly (+4.7%)** and **check valves (+4%)**. In the last 3 cases the Italian performance was the best among the main European competitors.
- A financial statements analysis on a representative sample of Italian companies (which represent 94% of sector's turnover) confirm the problematic cyclical phase for the Italian oil&gas valves industry. In 2016, the **contraction in turnover involved companies regardless of size**: negative peaks especially for medium (-13.4%) and small (-12.2%) companies have been recorded, compared to a less negative performance for big players (-5%).
- However, the most significant trend regards the **evolution of industrial profitability**, with a ROI index passed **from 19.3% in 2014 to 7.5% in 2016**. Also in this case, the drop in industrial profitability has involved the small and medium-sized enterprises more intensively, but even large companies show a more than halved ROI compared to 2014. Analyzing the single components of the index, we can see a **sharp drop of sales profitability (-51% on average)** and a **less intense decrease** in the **rate of capital turnover**.
- One more time, the business as experienced the effects of the so called “commodity's curse” and suffered the delayed effect of the slump in international oil prices who drives great oil&gas companies investment decisions worldwide.







## Executive summary (3/3)

- As a matter of fact, the reduction in ROS for Italian company is closely related to the drop in the price of oil, the effects of which are normally felt with a two years lag.
- Figures for 2017 highlights signs of turnarounds in global demand: according to international trade data (a business of **27.6 billion Euro**), global import increased at 2,8%. Anyway, even if Italian companies play a crucial role also in the international valves trade (with a 10,3% market share, behind China and Germany), they are still lagging behind.
- In **2017, Italian exports showed a decline of more than 3%**, confirming the negative trend of the previous year (-7.7%), and indicating some difficulty to keep up with the most dynamic areas on the world (+2.8% the growth in world demand). The **greatest difficulties are reported in Asia and in European markets** (in particular in Norway, UK, France, Spain, Russia and Turkey). The **very positive performance in the NEMA** markets (in Primis Saudi Arabia, UAE and Egypt) partially offset elsewhere declines and confirmed Italy as a strategic partner for the countries in this part of the world.
- Indeed, quite unusual in the national manufacturing industry, the geographical framework of Italian exports has a strong specialization in the **MENA area** (which buys about ¼ of Italian exports and 11% of world imports) and according to recent figures and perspectives, short terms possibilities of an new upturn for the Italian Industry are closely related a further strengthening of the business relations in the area.
- The second “positive” issues in this overall disappointing scenario has to do with investments: facing increasingly challenging markets, Italian companies have reacted, as witnessed by the huge investements cycle of the 2011-15 period: the clearest evidence of the willingness to rethink their positioning to better deal with the new international scenario.

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# The Italian industry of tapes and valves

## A core sector of Made in Italy IM&E industry (2016)

	Number of enterprises 	Production value (€ billion) 	Number of employees 
 Oil & Gas valves	295	3.3	10 998
 Other industrial valves*	686	3.8	13 845
 Household taps	335	1.2	5 295
<b>TAPES AND VALVES</b> <i>(% share of Machinery and Equipment industry)</i>	<b>1 316</b> <b>(5.7%)</b>	<b>8.3</b> <b>(6.8%)</b>	<b>30 138</b> <b>(6.7%)</b>

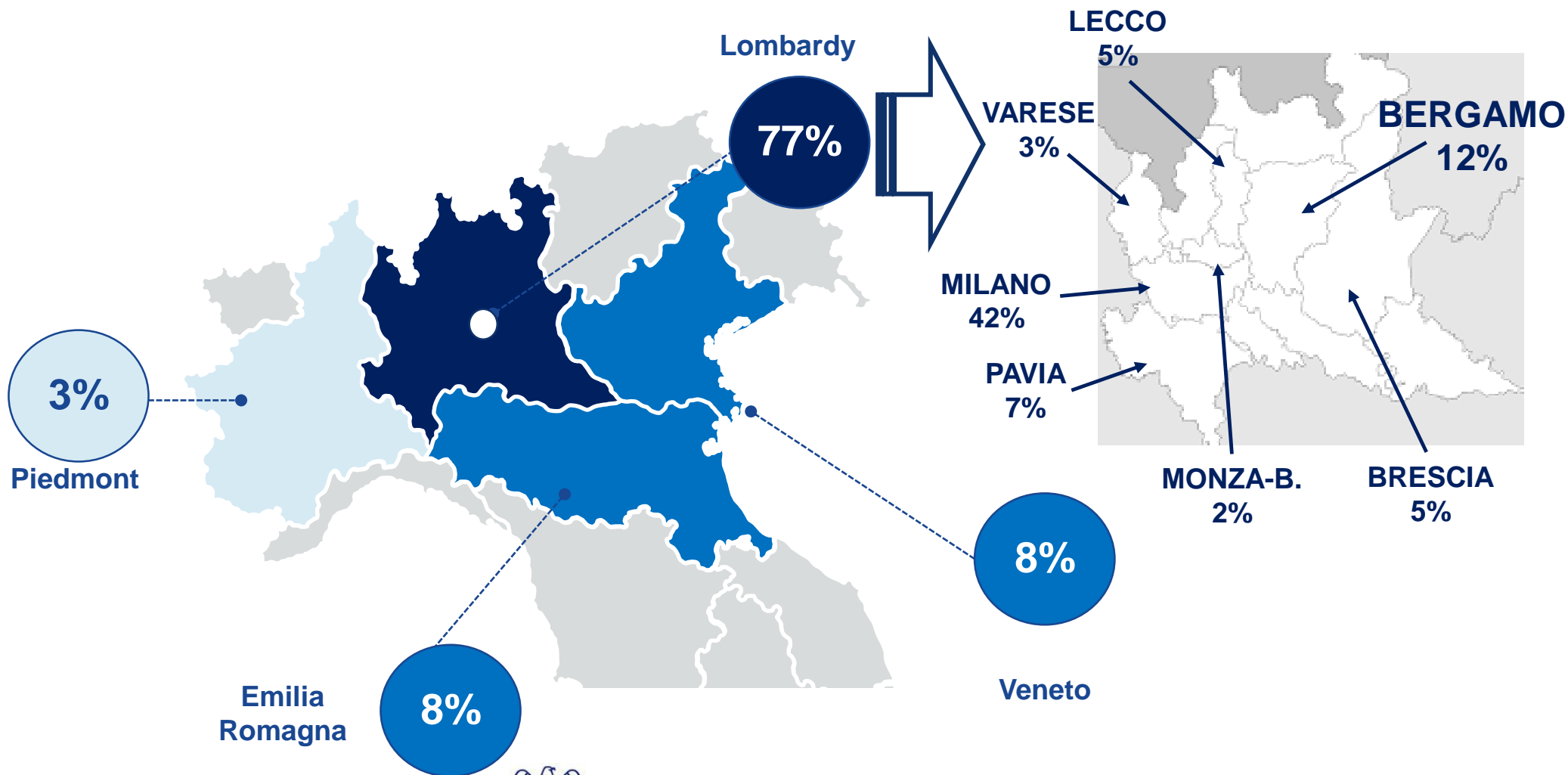
\* Hydraulic valves, valves for food & beverage industry, valves for pharmaceutical industry, etc.

Source: Prometeia's calculation on ISTAT data and Companies balance sheets

# The oil & gas valves industry in Italy

90% of the Italian production is concentrated within a 100 km radius around Bergamo

The map of territorial specialization: % share of the Italian production value



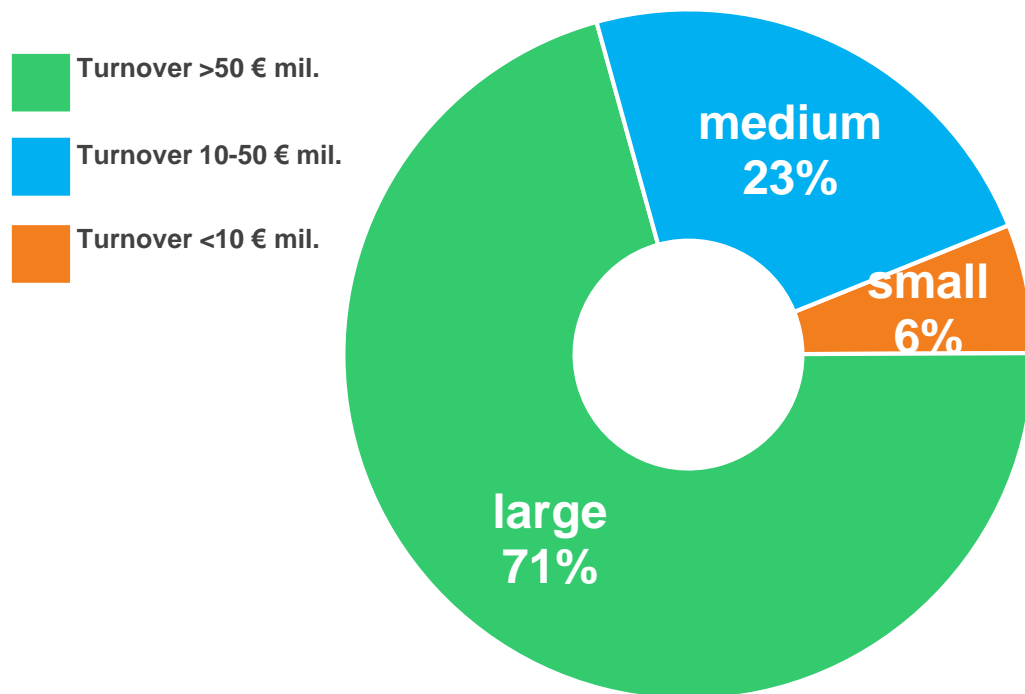
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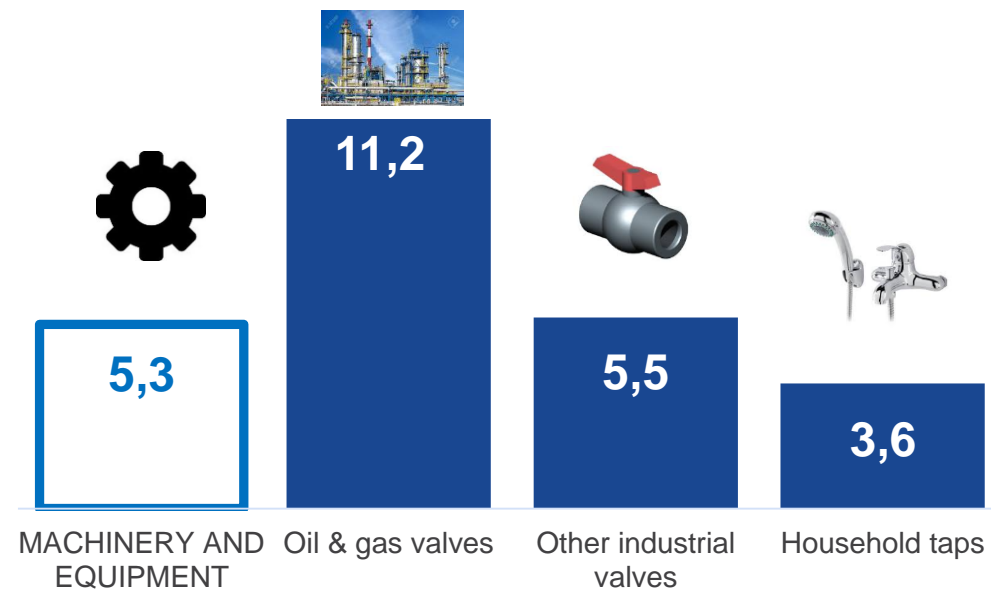
# The oil & gas valves industry in Italy

## Sizes of Italian companies

Total turnover by size class: % share



Total turnover by firm: € million



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# The export vocation

Oil&gas valves exports has been growing twice with respect to IM&E in 2001-'17

Export value/Total turnover (% share,2017)



**Oil & Gas valves industry** **89%**

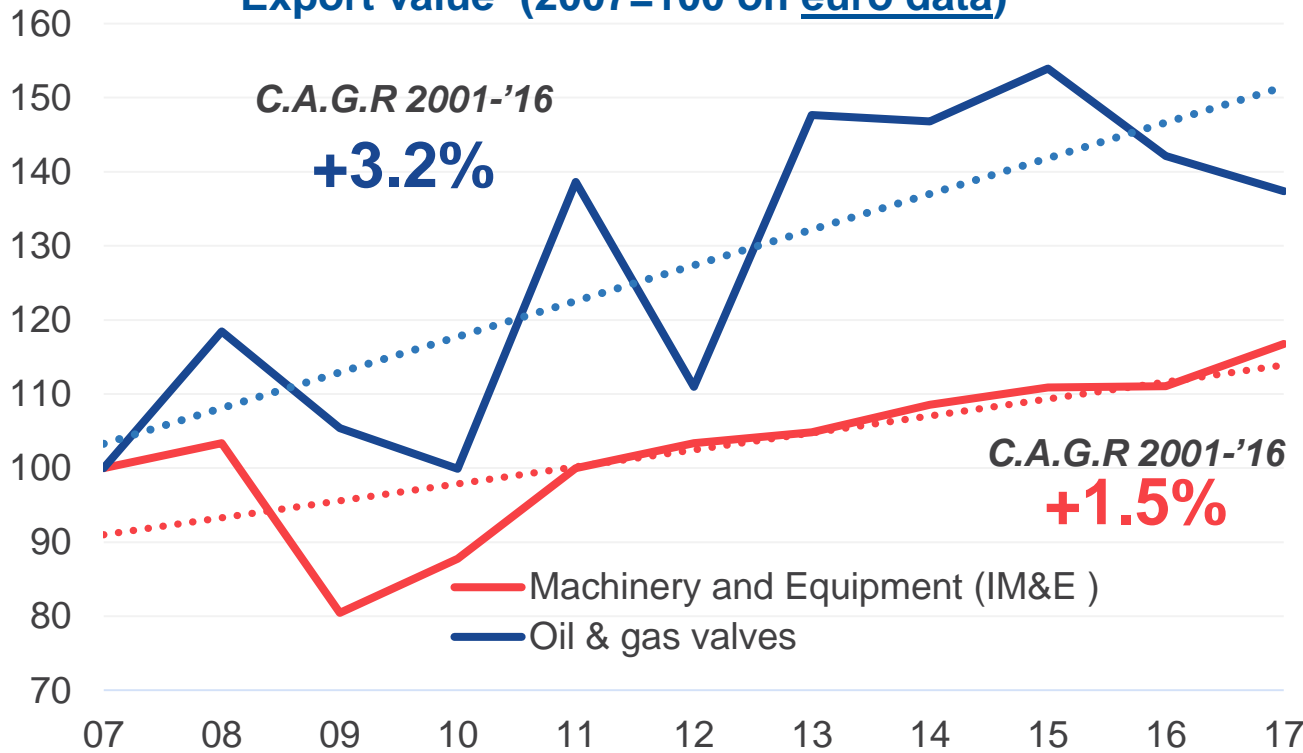


**67%** **Machinery and Equipment industry**

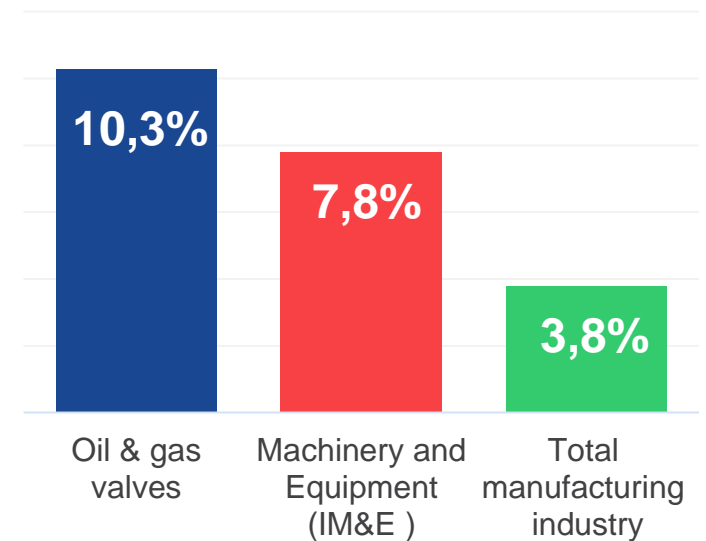


**Total manufacturing industry** **46%**

Export value (2007=100 on euro data)



World market shares (%)



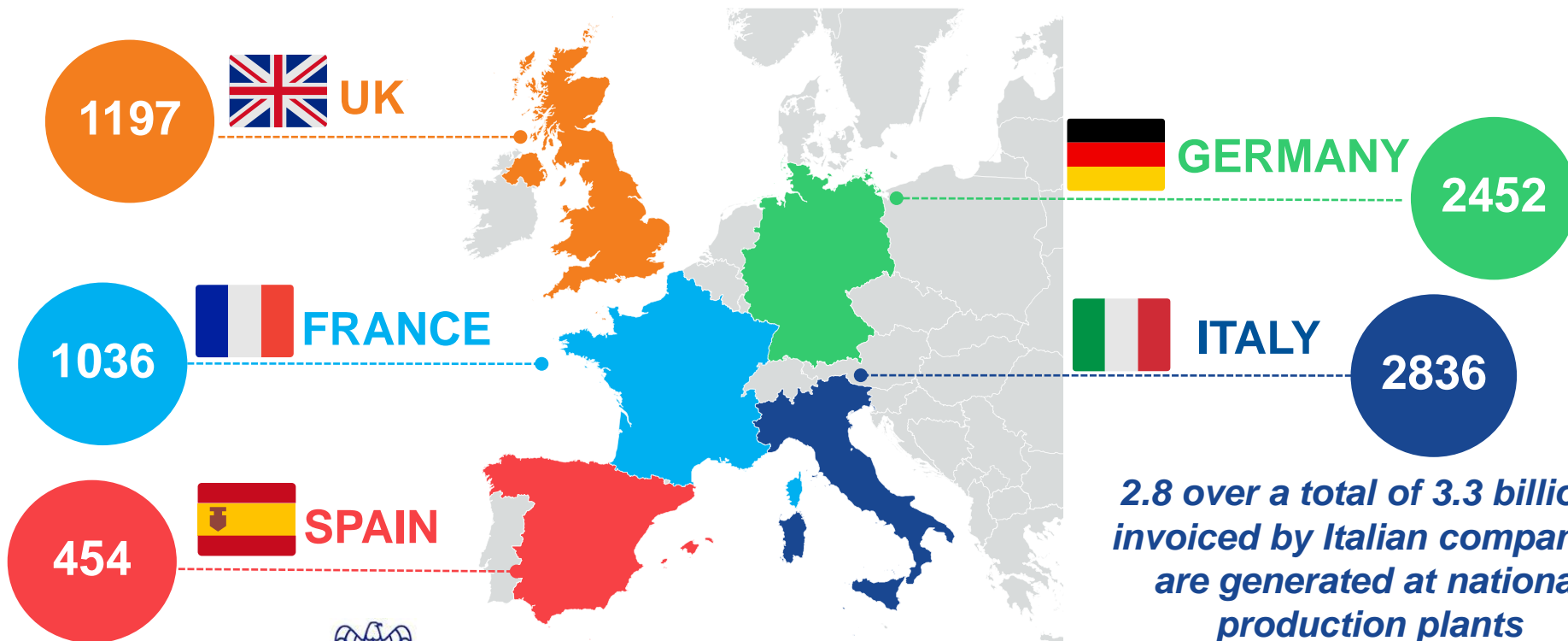
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# Oil & gas valve industry in Europe

Italy is the European leading manufacturer of oil & gas valves

The main European production countries: sold production value\*  
(€ million) 2016

\* Production value generated at national production plants



Source: Prometeia's calculation on EUROSTAT DATA

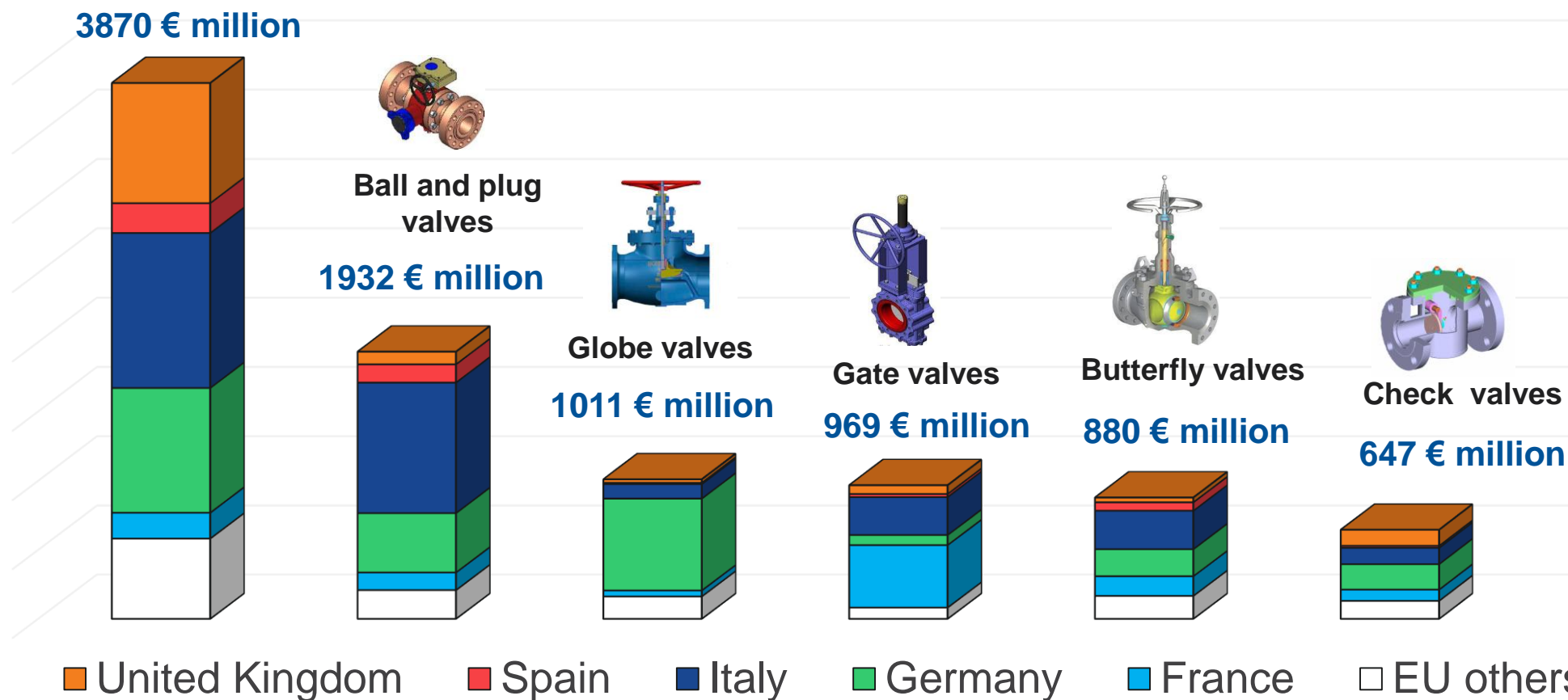
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# Production by valve types

High specialization of Italy in ball, gate and butterfly valves

The main European production countries: sold production value by country and product (€ million) 2016

Parts for tap, cocks, and valves

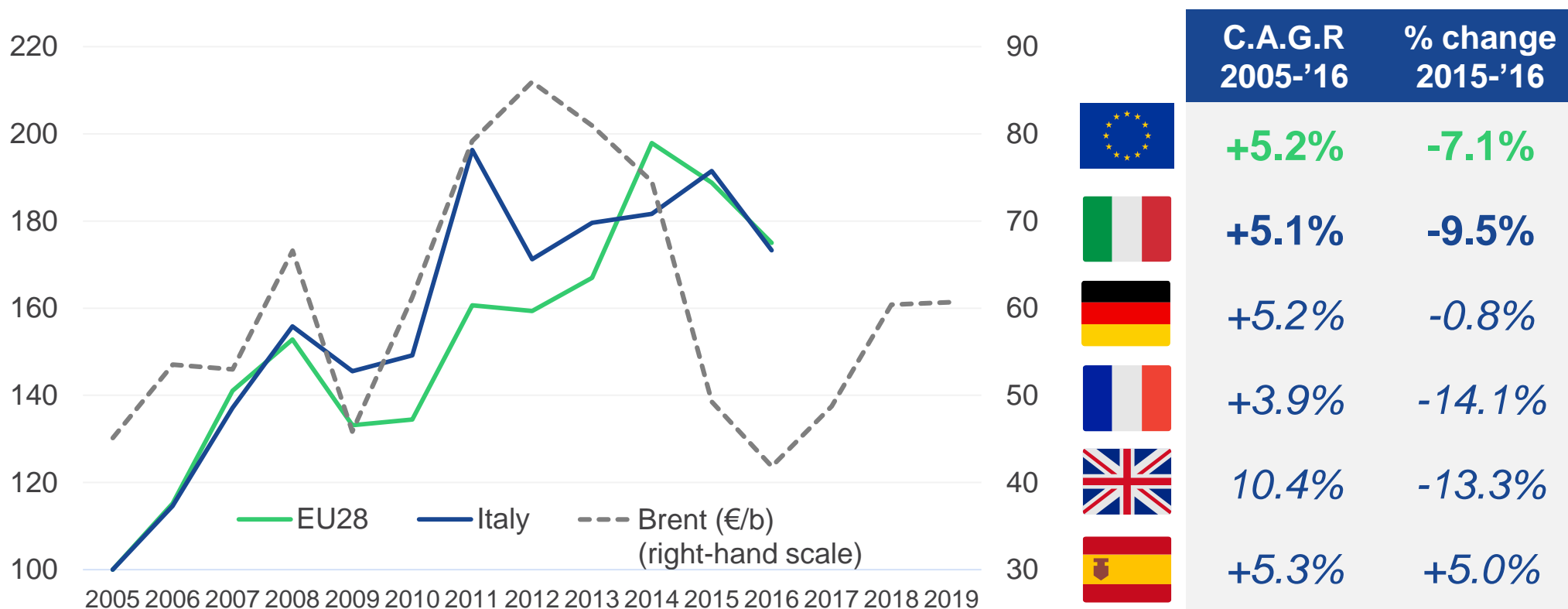


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# The evolution over the last decade

In 2015-'16 the positive trend reversed itself

## Sold production value in Italy and EU: index 2005=100

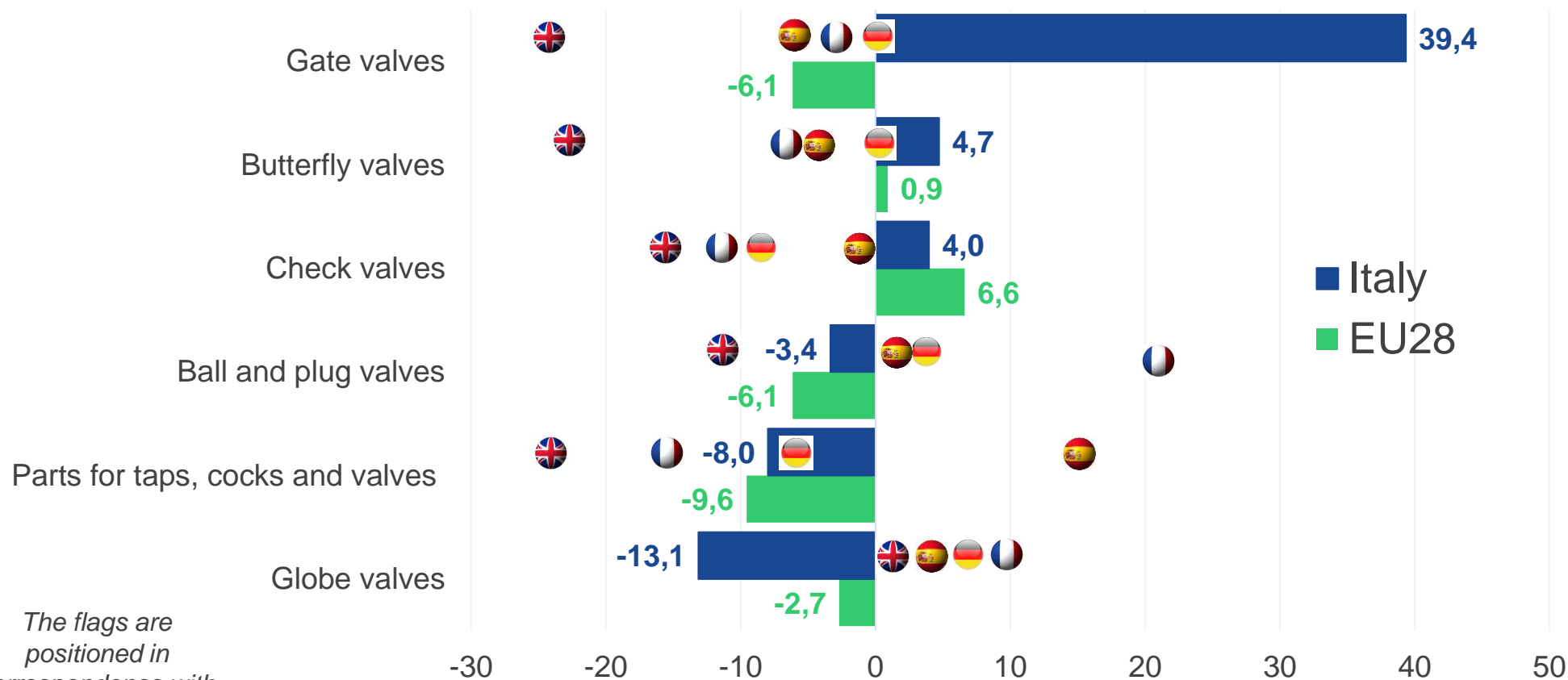


Source: Prometeia's calculation on EUROSTAT DATA; Brent: Prometeia, Analisi e previsioni dei prezzi delle commodity

# The hard years 2015-'16

Double-digit decline for Italian globe valves but gate, butterfly and check are rising

Sold production value by product: % change 2015-'16



The flags are positioned in correspondence with the % change of the country/product

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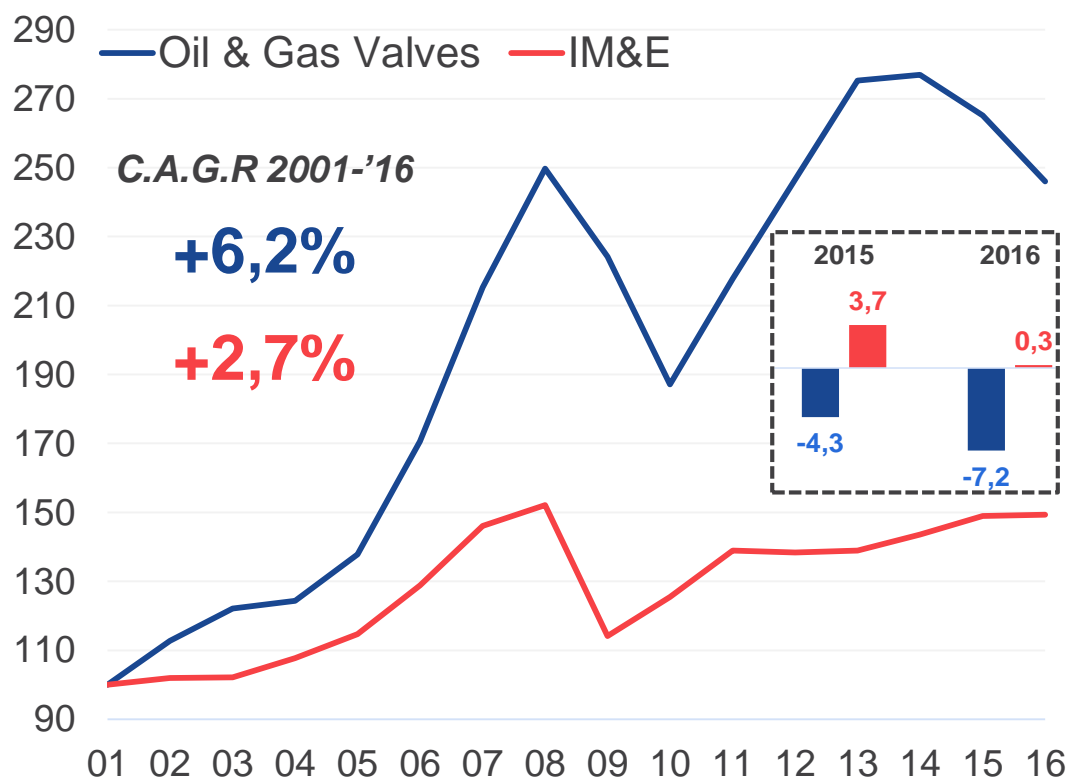
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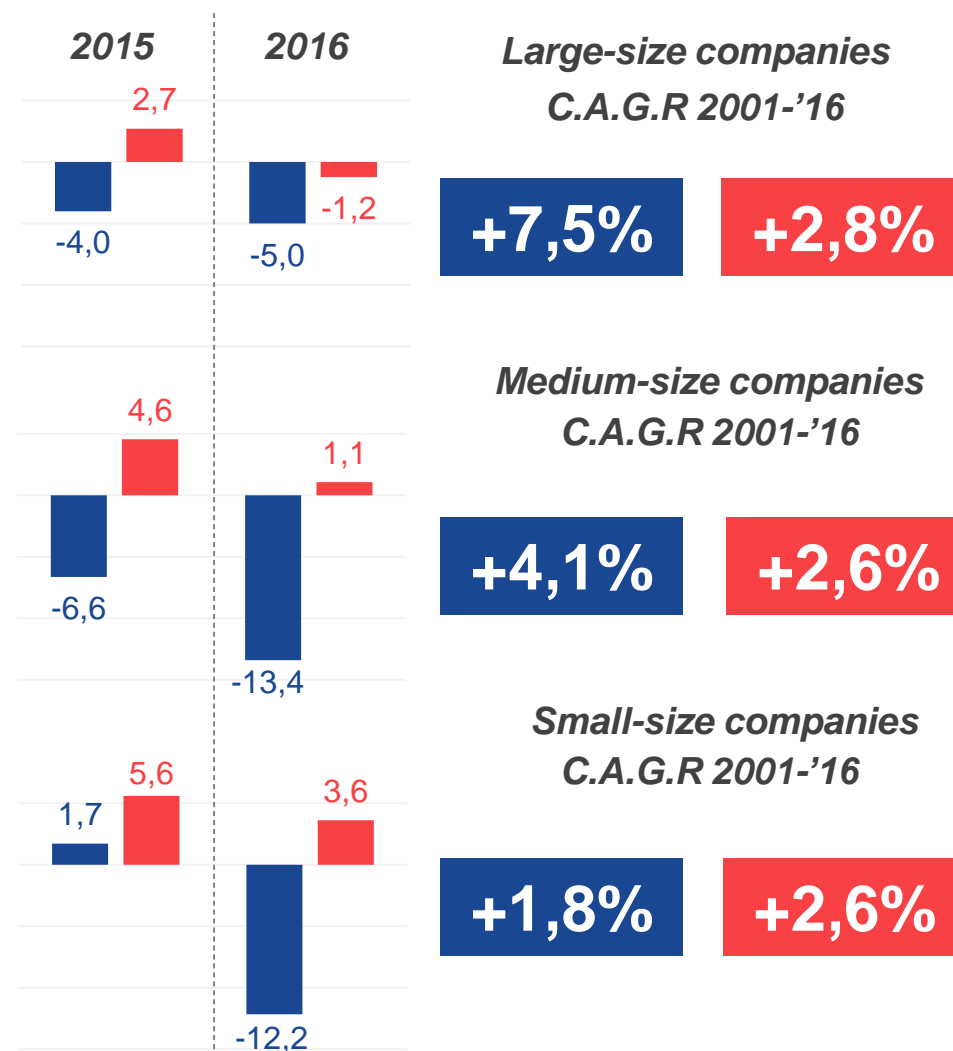
# The revenue evolution

A far more dynamic growth pattern than the IM&E Italian industry, but in 2015'-16...

Production value of Italian companies of oil & gas valves (index 2001=100)



Production value of Italian companies of oil & gas valves by size class: % change



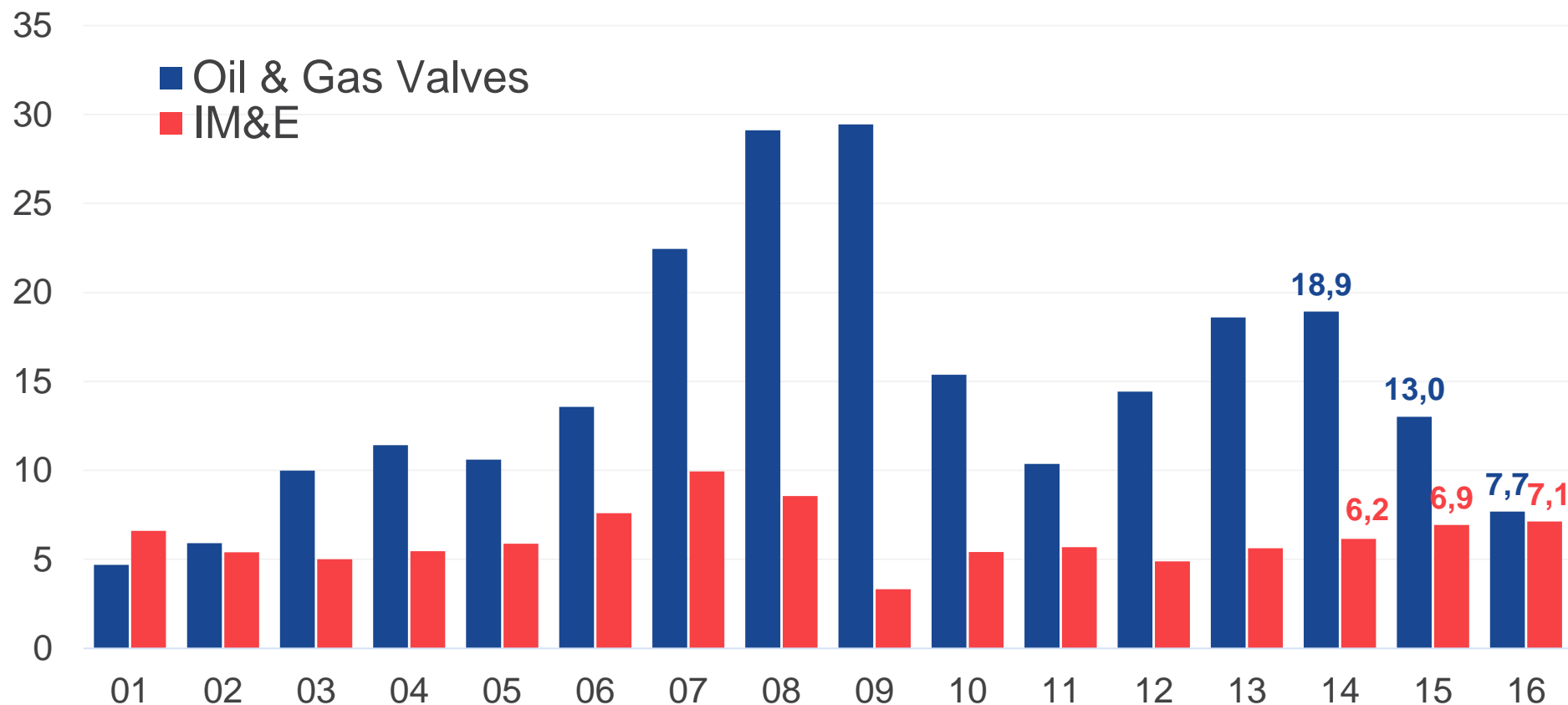
Source: oil & gas valves: Prometeia's calculation on balance sheet of a sample of 96 firms for a production value of 3.1 € billion in 2016, IM&E: Prometeia, Analisi dei settori industriali



# The industrial profitability evolution

Roi is still above the IM&E average, but profitability is declining

### Industrial profitability, Roi (Return On Investment)



Source: oil & gas valves: Prometeia's calculation on balance sheet of a sample of 96 firms for a production value of 3.1 € billion in 2016, IM&E: Prometeia, Analisi dei settori industriali

# Why profitability is declining?

Return on sales is strongly decreasing...

## Industrial profitability: Roi and its components (Return on sale and Capital turnover)

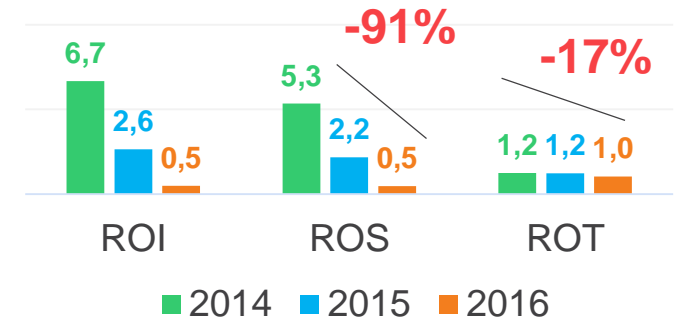
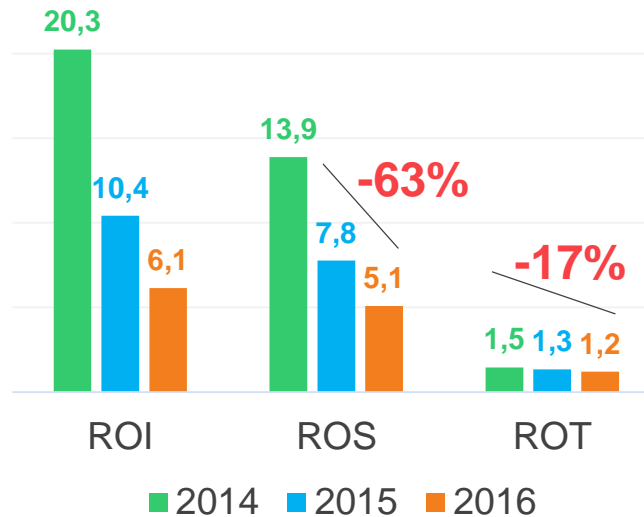
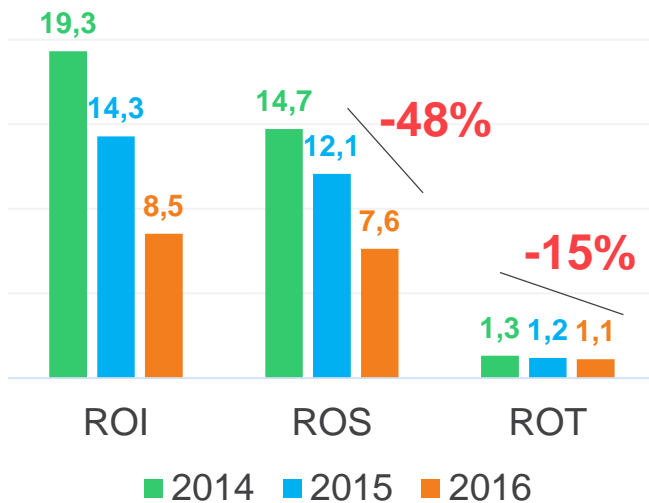
### Large-size companies



### Medium-size companies



### Small-size companies



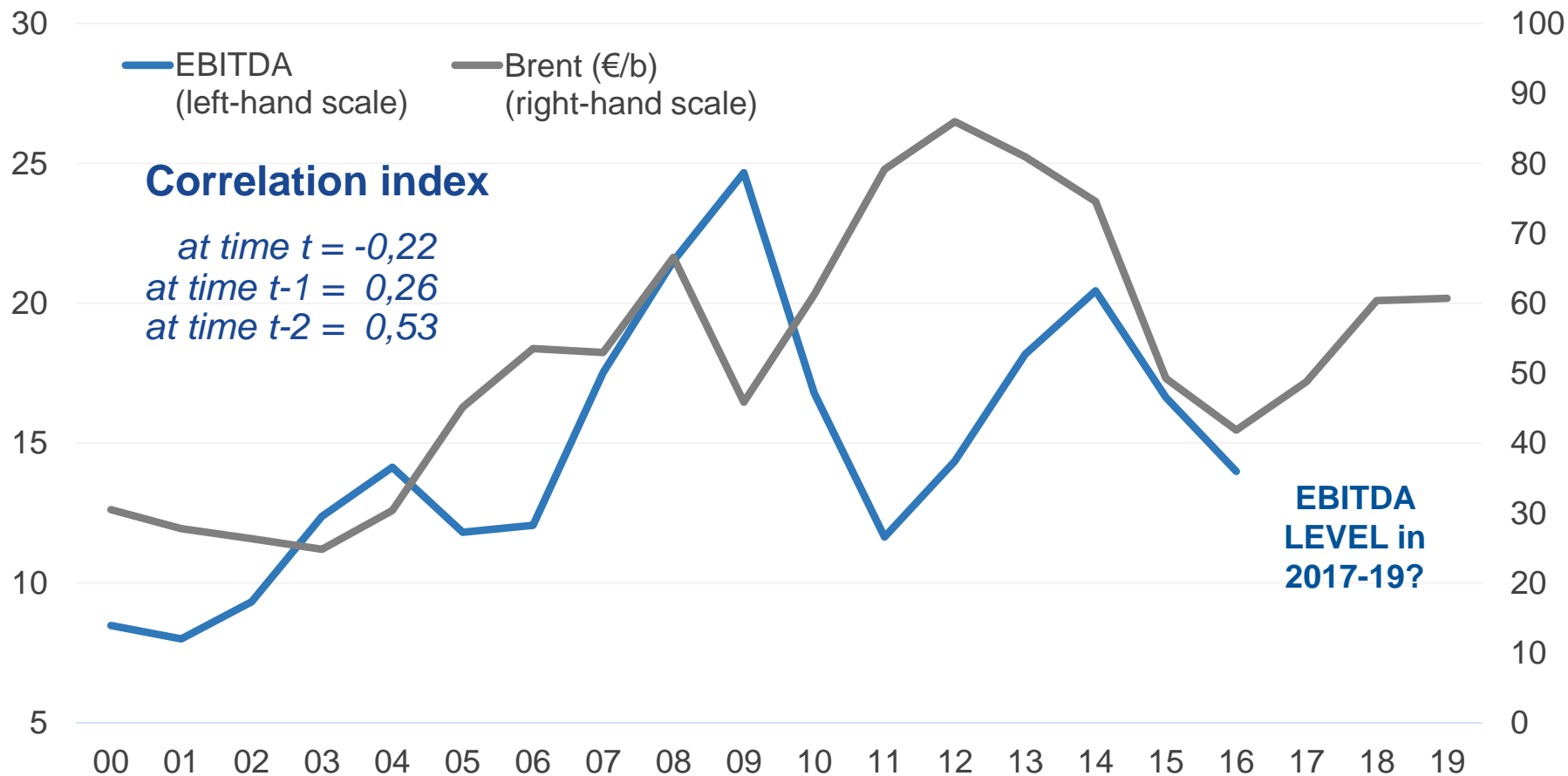
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Source: oil & gas valves: Prometeia's calculation on balance sheet of a sample of 96 firms for a production value of 3.1 € billion in 2016, IM&E: Prometeia, Analisi dei settori industriali

# ...because EBITDA is still suffering the oil price dynamics

But in 2017.....

**EBITDA of Italian companies of oil & gas valves (% share of production value) and Brent price (€/b)**

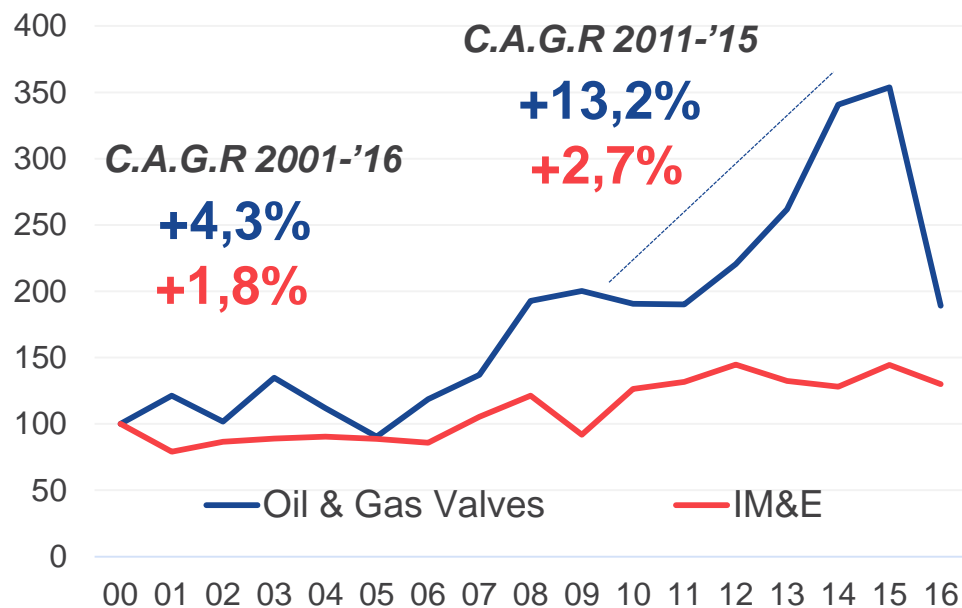


Source: Oil & gas valves: Prometeia's calculation on balance sheet of a sample of 96 firms for a production value of 3.1 € billion in 2016, IM&E ; Brent: Prometeia, Analisi e previsioni dei prezzi delle commodity

# Is there also an efficiency problem?

No. The decline in Capital turnover is linked to the relevant increase in investments

**Fixed capital investments: index  
2000=100**



**Capital intensity: % share on  
production value**



Source: Oil & gas valves: Prometeia's calculation on balance sheet of a sample of 96 firms for a production value of 3.1 € billion in 2016, IM&E

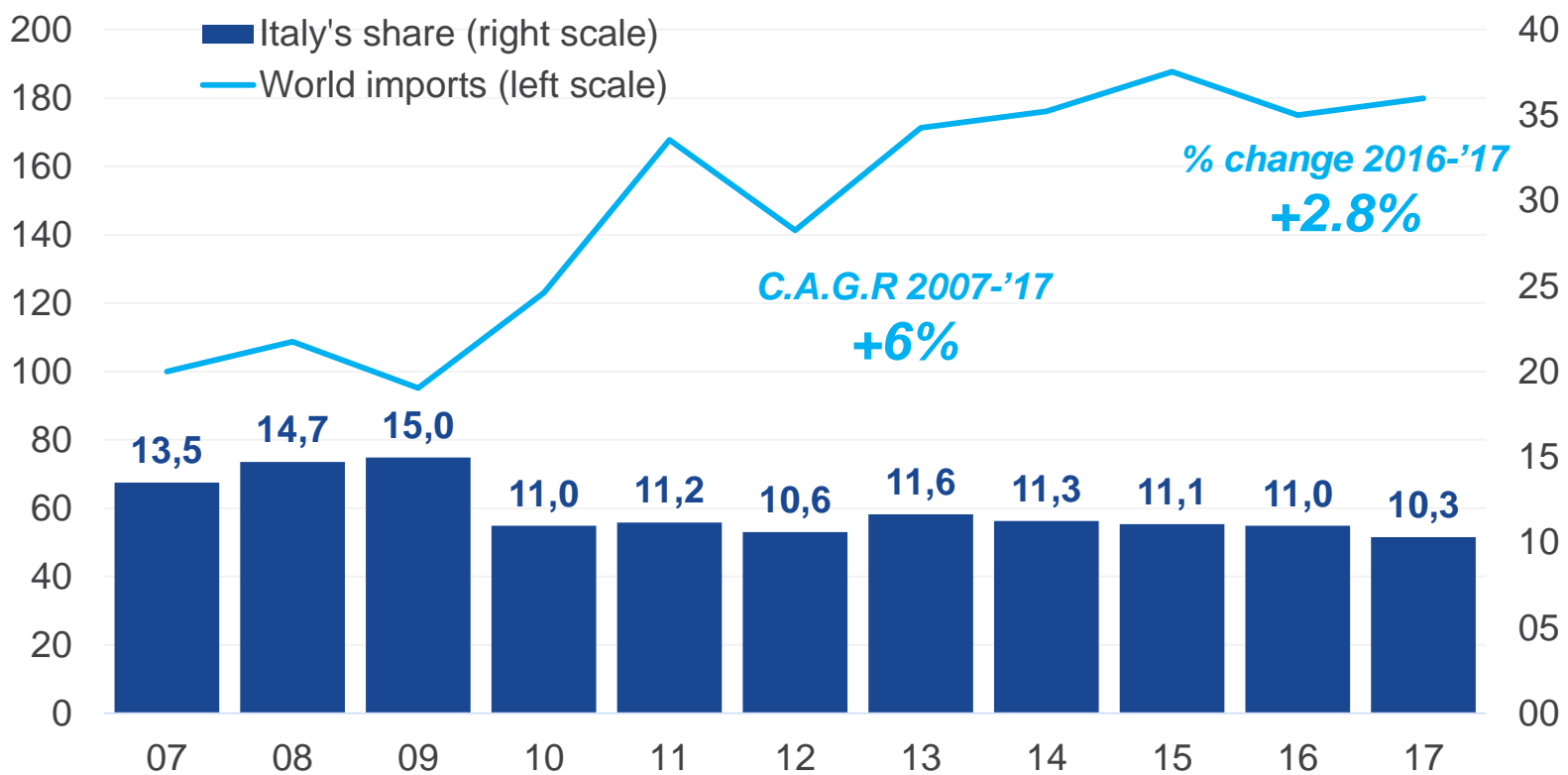
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# Oil & gas valve international trade

## World imports and Italy's share



World imports (2007=100) and Italy's share (%)



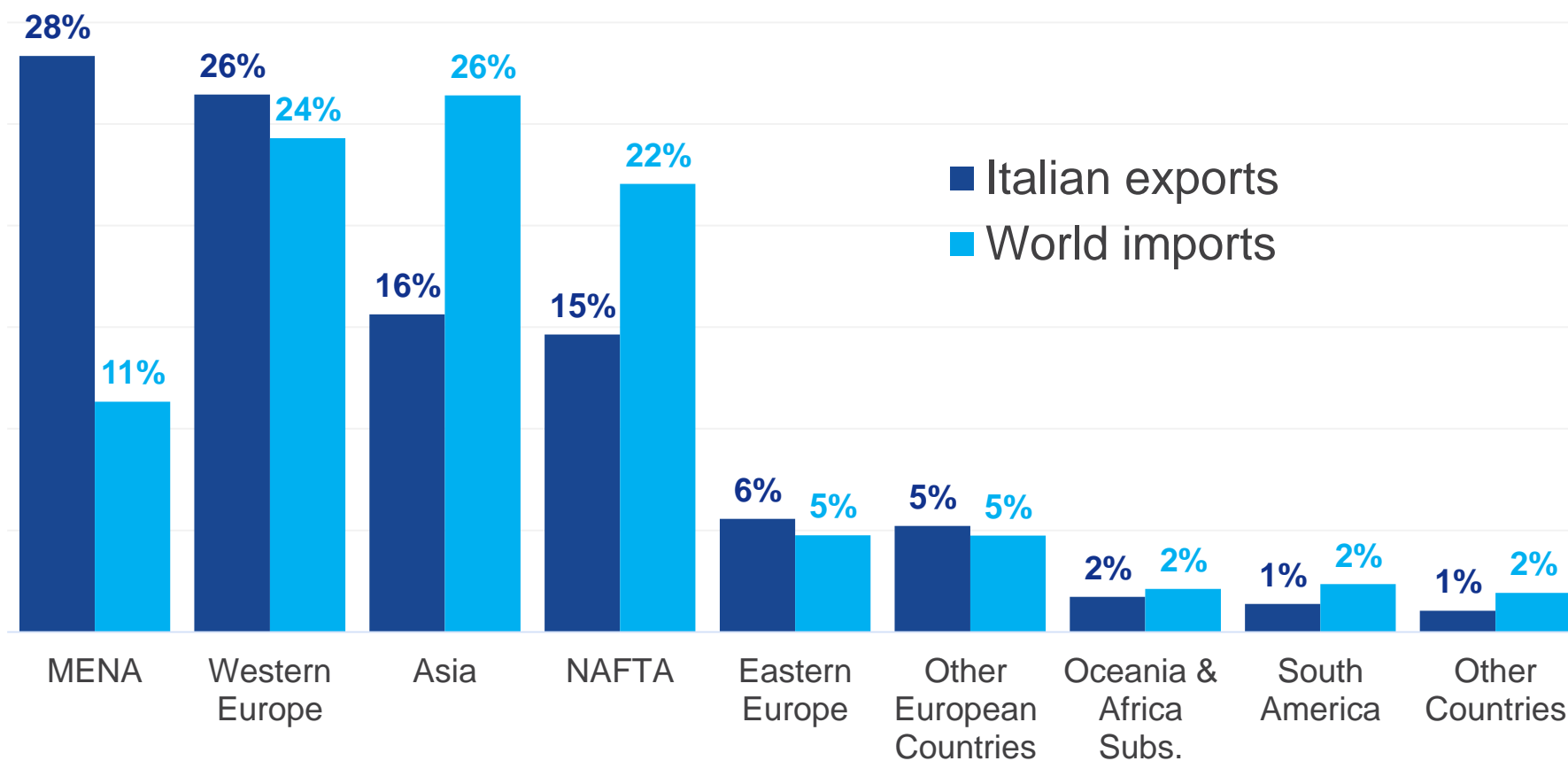
Source: Prometeia's calculation on ITC data

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# Geographical framework

The high level specialisation of Italian exports in MENA markets

World imports and Italian exports: geographical framework (% share)



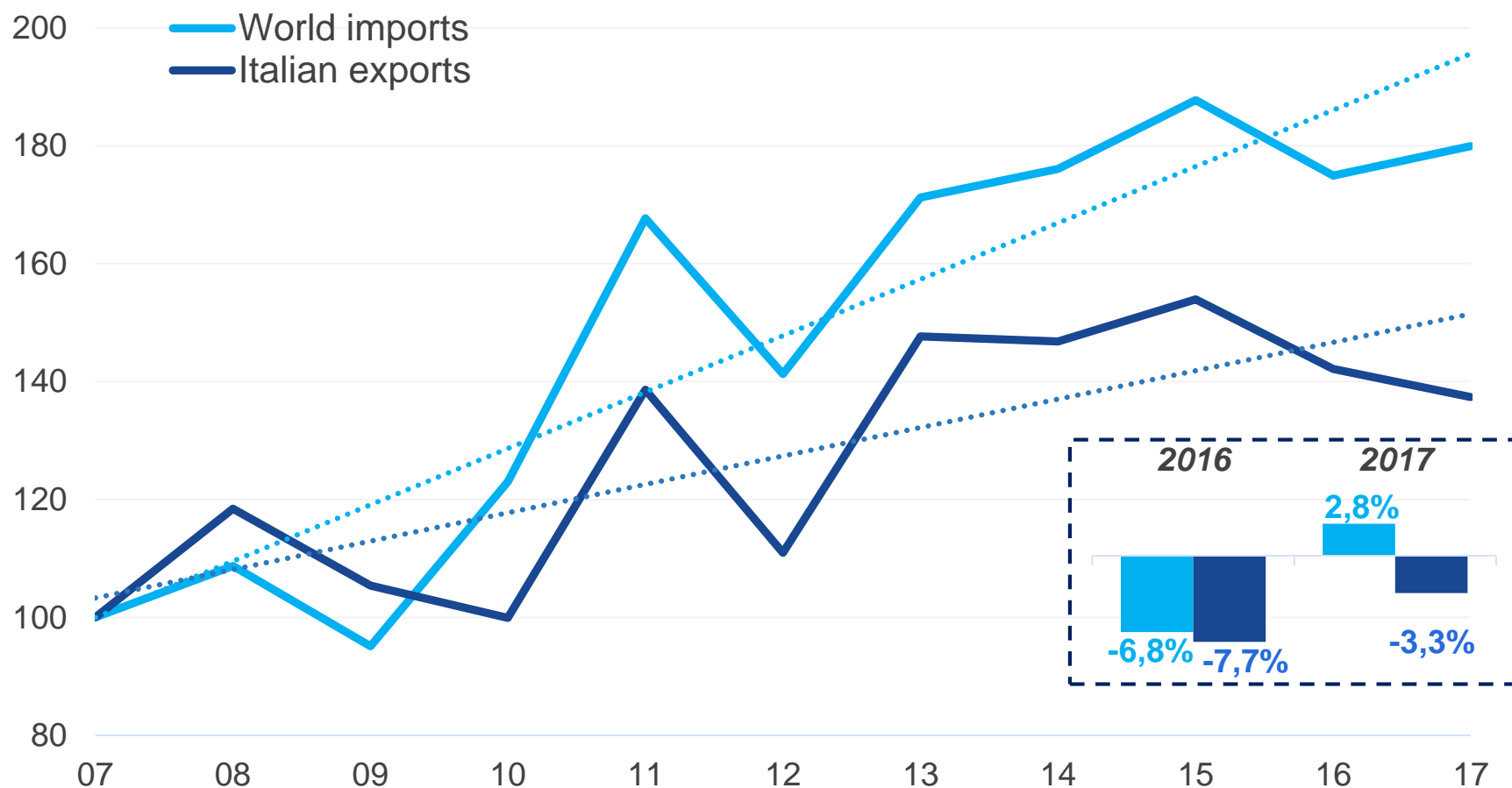
Source: Prometeia's calculation on ITC data



# Italian exports

In 2017 the negative trend continued, however less marked than 2015-'16

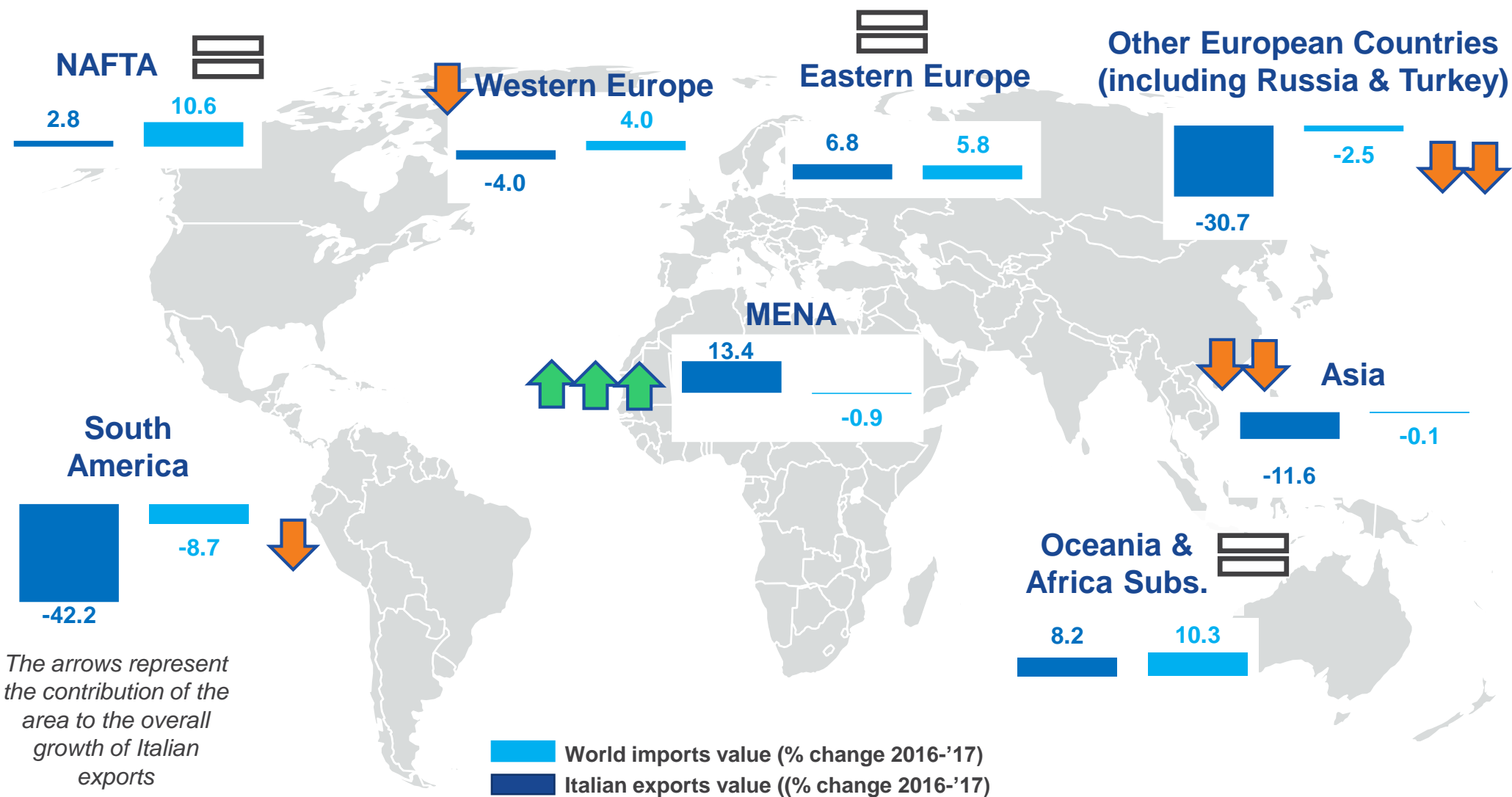
World imports and Italian exports of oil & gas industrial valves (2007=100 on euro data)



Source: Prometeia's calculation on ITC data

# International trade map 2017

Italy grew significantly in MENA, against the further falls seen in ASIA and O.E.C.

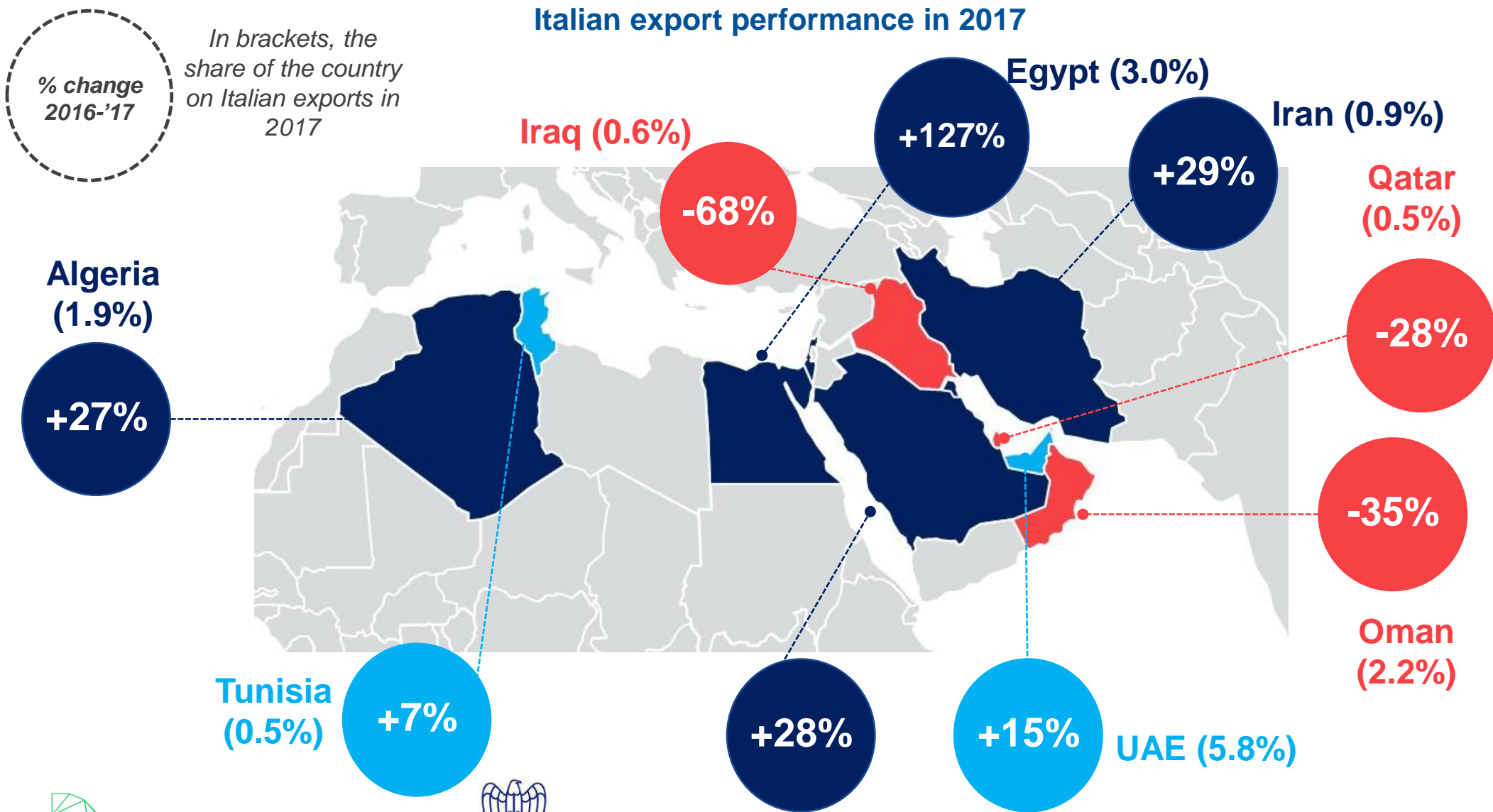


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Source: Prometeia's calculation on ITC data

# Italian export in MENA markets

Significant growth in Egypt and Saudi Arabia, contraction of sales in Oman



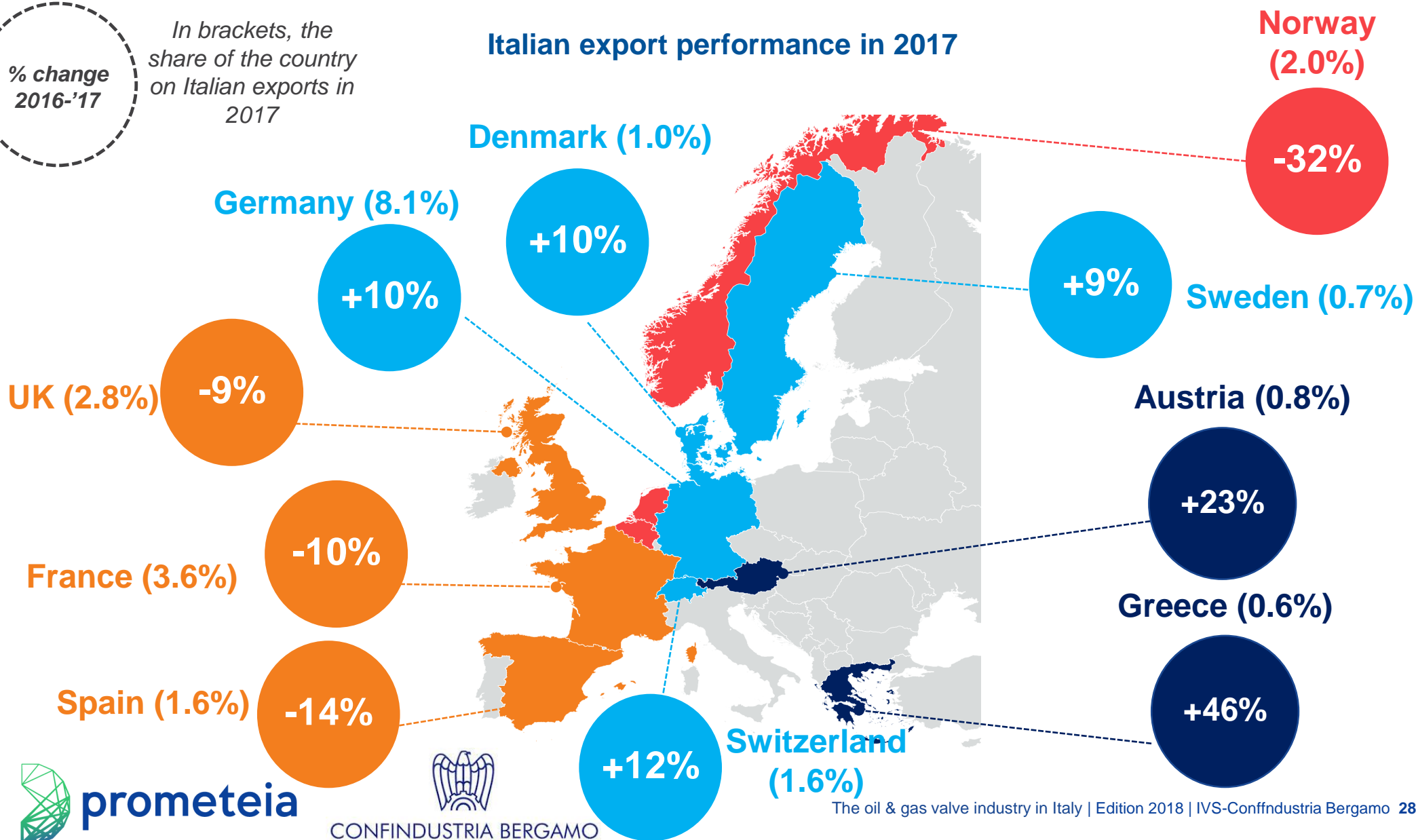
# Italian export in Western Europe markets

+10% in Germany, there was a decline of sales in France, UK and Spain

**% change  
2016-'17**

*In brackets, the  
share of the country  
on Italian exports in  
2017*

## Italian export performance in 2017



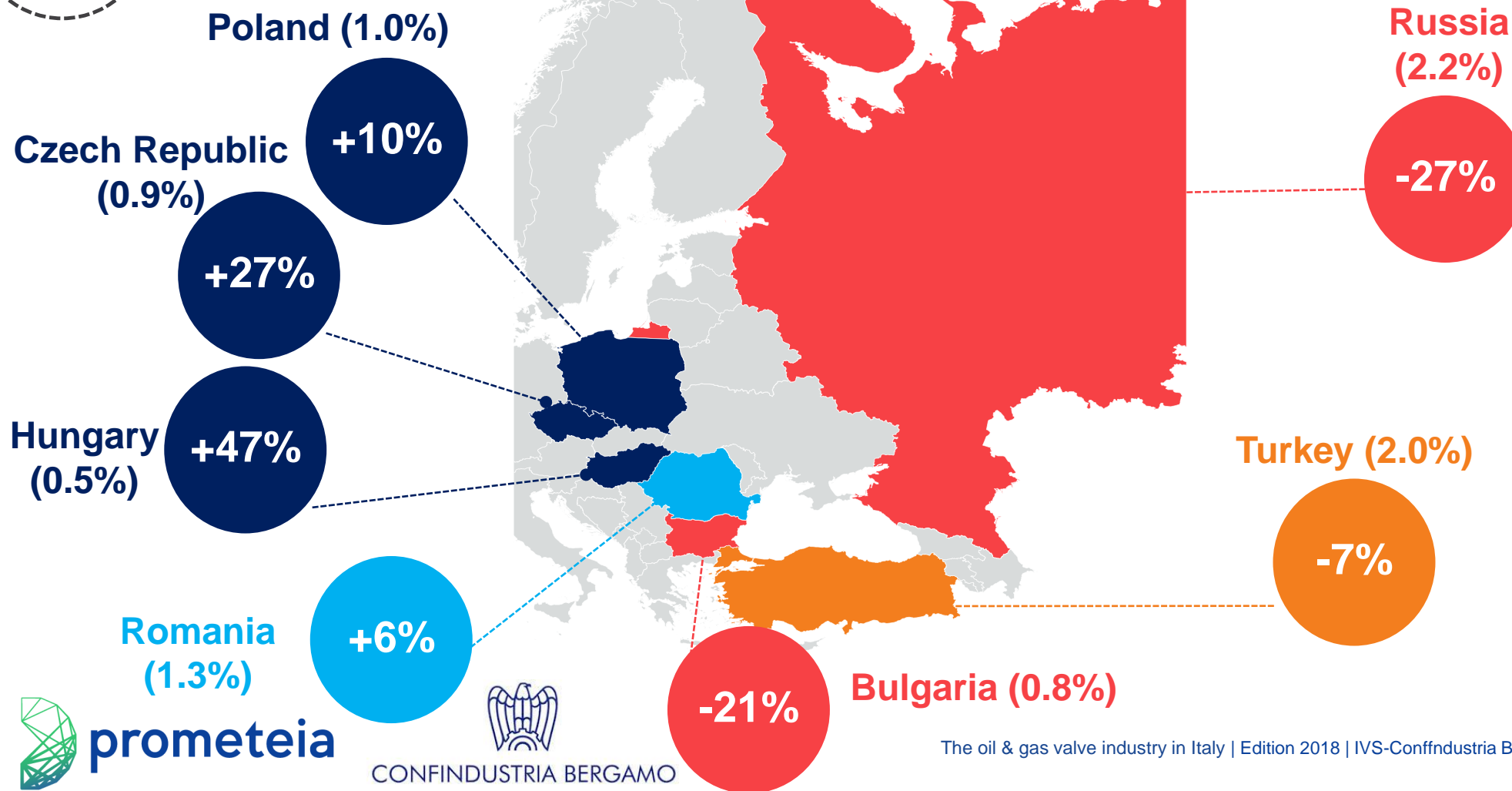
# Italian export in Eastern Europe markets

Negative results in Russia and Turkey, there was an increase in Central Europe countries

**% change  
2016-'17**

*In brackets, the  
share of the country  
on Italian exports in  
2017*

## Italian export performance in 2017



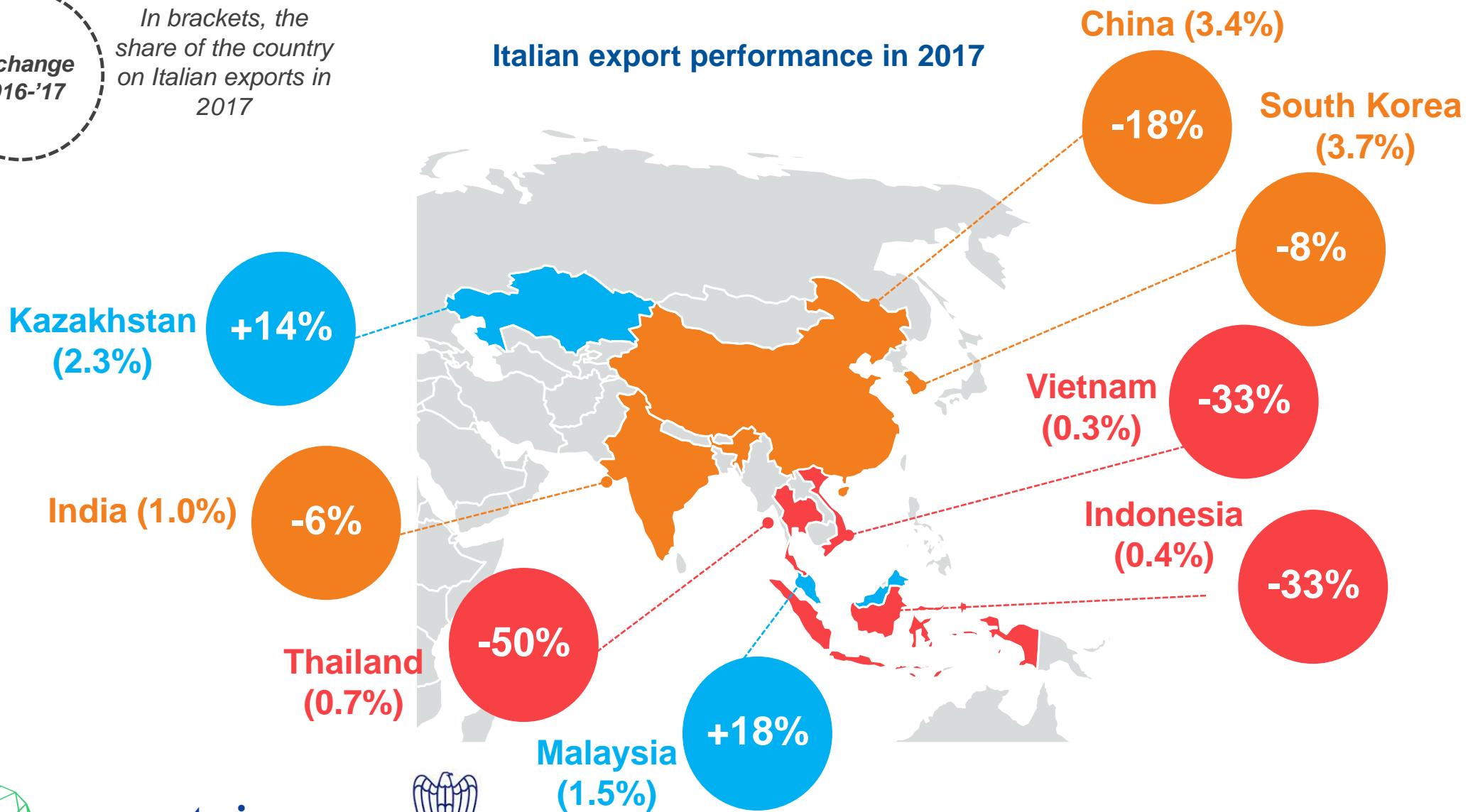
# Italian export in Asian markets

Sharp and uniform drop in Southeast area, except Malaysia

*% change  
2016-'17*

*In brackets, the  
share of the country  
on Italian exports in  
2017*

## Italian export performance in 2017

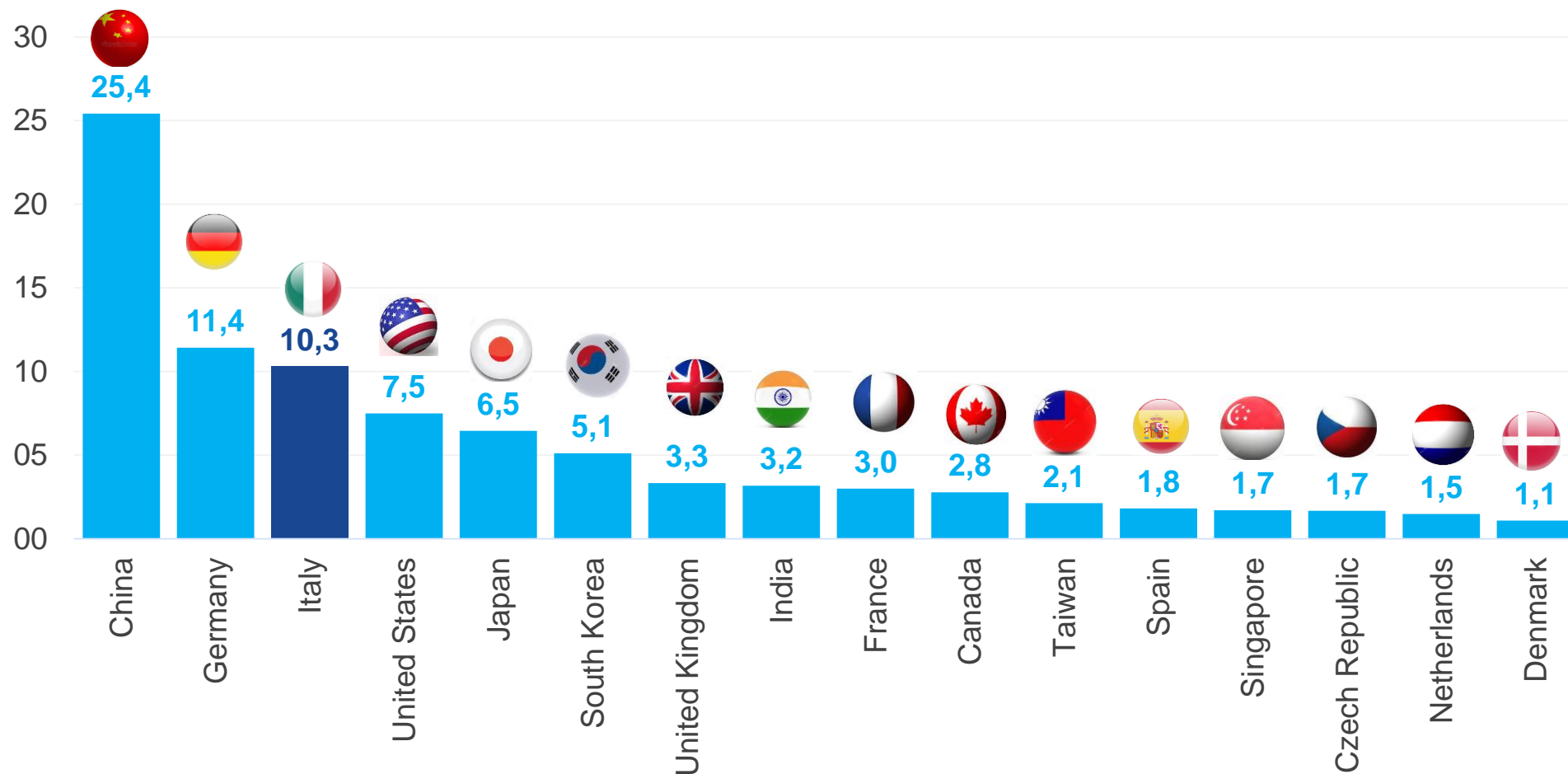


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# The main exporter countries

Italy is third in the world ranking

Top-16 exporter: % share of world exports

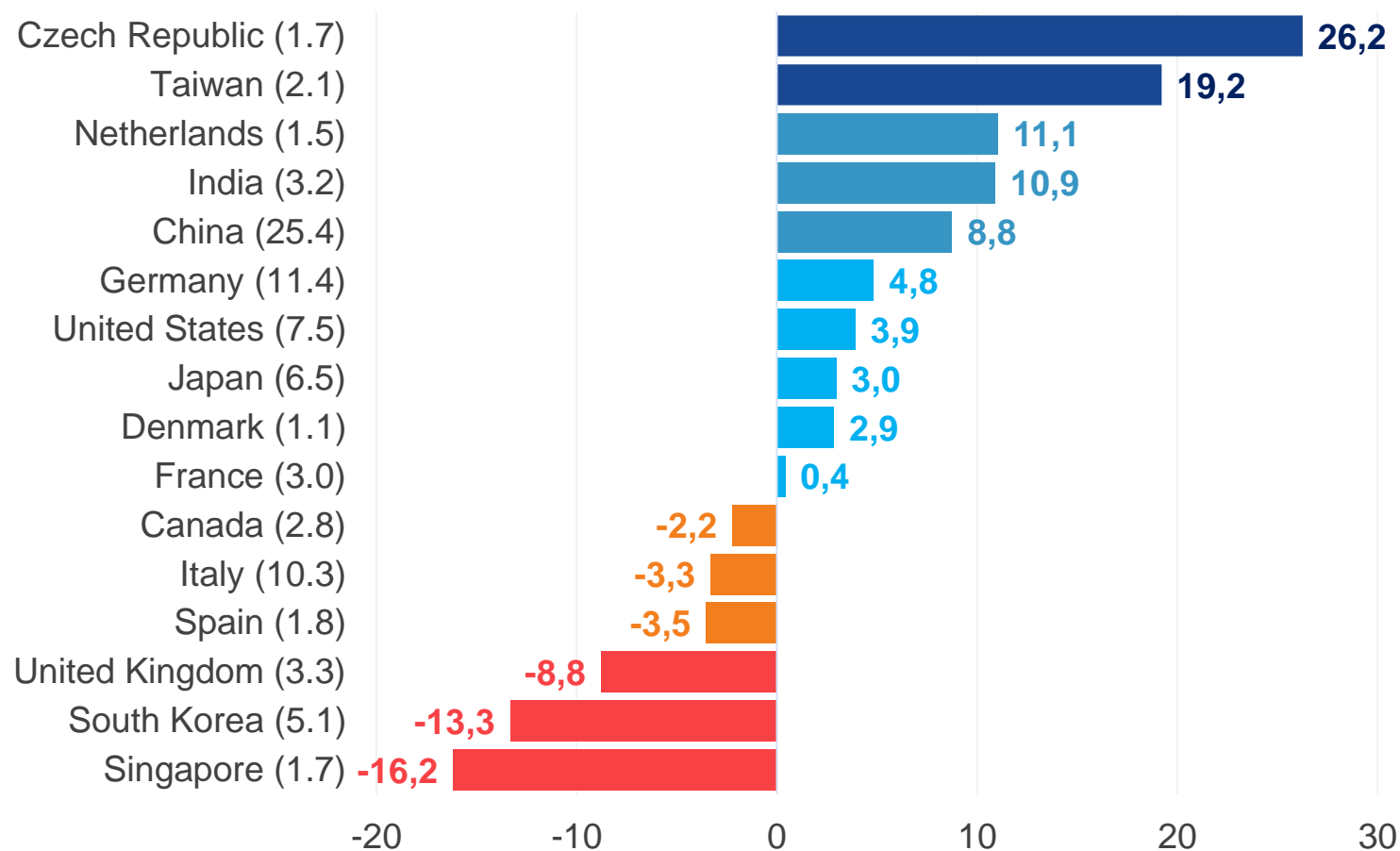


Source: Prometeia's calculation on ITC data

# Italy's and its competitors' performance in 2017

## Czech Republic, Taiwan and Netherlands on the top of the ranking

Export growth (% change 2016-'17) and world market shares (In brackets) by world leading exporters



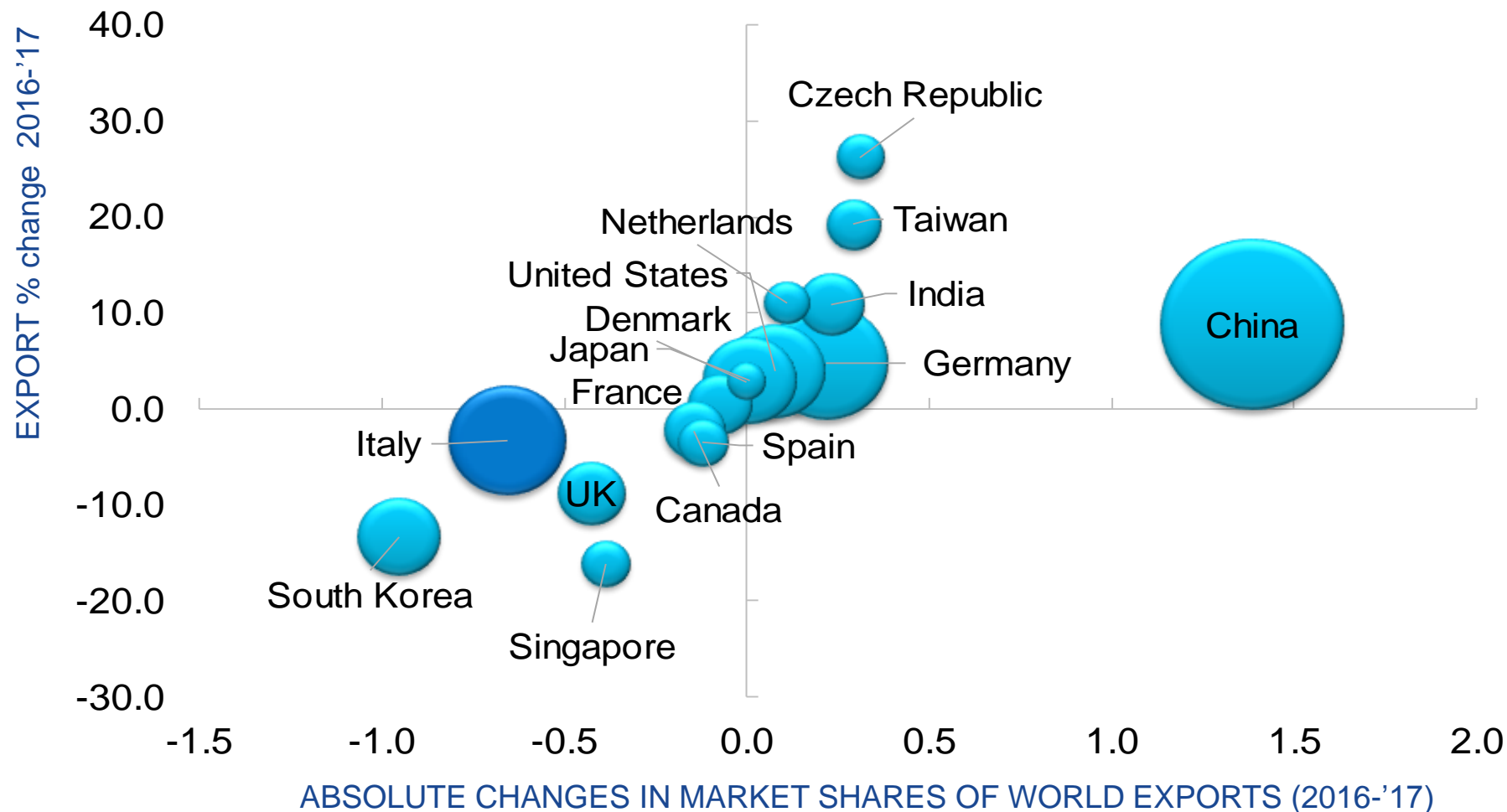
Source: Prometeia's calculation on ITC data



# Italy's and its competitors' performance in 2017

China continue to expand, Germany is the only big European player to gaining market share

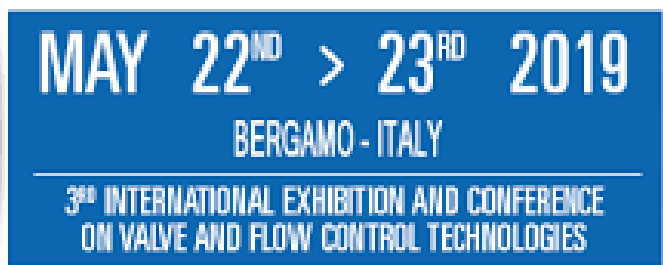
Export growth and world market shares by world leading exporters



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**Next update**  
See you in 2019

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# Contacts

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## Prometeia

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**Giuseppe Schirone**  
Manager

[giuseppe.schirone@prometeia.com](mailto:giuseppe.schirone@prometeia.com)

Mobile 3351436883

Phone 0516480911

Department Strategie Industriali Territoriali

Location Bologna

**Giampaolo Morittu**  
Senior economist

[giampaolo.morittu@prometeia.com](mailto:giampaolo.morittu@prometeia.com)

Mobile 3442760227

Phone 0516480911

Department Strategie Industriali Territoriali

Location Bologna

## Confindustria Bergamo

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**Massimo Longhi**  
Resp. Studi e Internazionalizzazione

[m.longhi@confindustriabergamo.it](mailto:m.longhi@confindustriabergamo.it)

Phone 035275284

Location Bergamo

## IVS

---

**Luca Pandolfi**  
Project Manager

[l.pandolfi@confindustriabergamo.it](mailto:l.pandolfi@confindustriabergamo.it)

Phone 035275381

Location Bergamo



# Prometeia

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## Bologna

Via Guglielmo Marconi,43  
+39 051 6480911  
italy@prometeia.com

## Milan

Via Brera, 18  
+39 02 80505845  
italy@prometeia.com

## Rome

Via Tirso, 26  
italy@prometeia.com

## London

Dashwood House 69 Old Broad Street  
EC2M 1QS  
+44 (0) 207 786 3525  
uk@prometeia.com

## Istanbul

River Plaza, Kat 19  
Büyükdere Caddesi Bahar Sokak  
No. 13, 34394  
| Levent | Istanbul | Turkey  
+ 90 212 709 02 80 – 81 – 82



Prometeia



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Prometeia

## Beirut

2nd floor, Chebli Building,  
669 Ashrafieh  
+961 1 425206  
lebanon@prometeia.com

## Moscow

ul. Ilyinka, 4  
Capital Business Center Office 308  
+7 (916) 215 0692  
russia@prometeia.com

[www.prometeia.com](http://www.prometeia.com)

