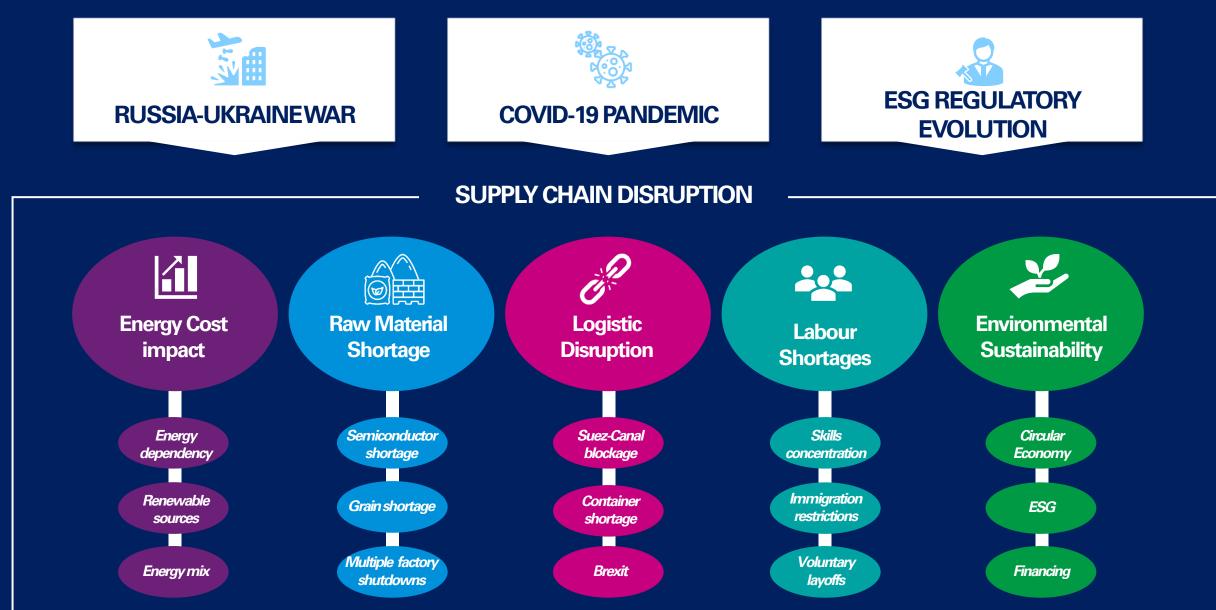
# FUTURE OF SUPPLY CHAIN What prospects for Italy and Germany?

Milan, 16<sup>th</sup> June 2022





## The current context at a glance

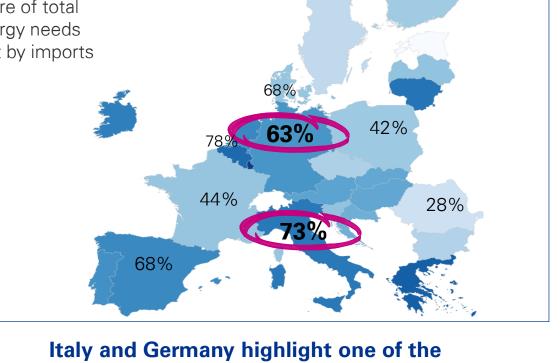


### The impact of natural gas & oil dependency on Energy "price war" Source: ISPI & Eurostat. 2022



EU imports more than **40%** of +300% natural gas and oil from Russia **Energy price increment for** MWh in the last 2 years **Energy Source mix** Import of Energy Share of total 100% energy needs 11% 18% met by imports 7% 4% 1% 80% 5% 15% Renewables 60% 36% Hydroelectric 63% Nuclear 35% Coal 40% Oil 44% Natural gas 42% 20% 73% 26% 68% 0% Germany Italy

### Only the 20% of energy mix rely on "green energy"

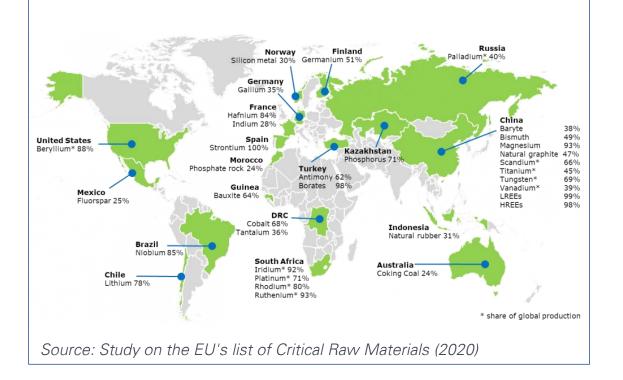


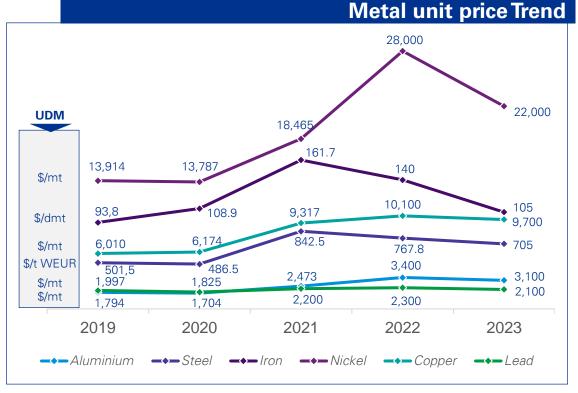
### highest energy dependence rate



# Materials shortage put economic recovery under pressure

#### Countries share of global Critical Raw Material supply





Raw materials concentrated in countries outside Europe, mainly in Asia Heavy impact of Russia-Ukraine war on **35** critical materials (30% of Global need of Platinum / palladium, 13% titanium, 11% Nickel)

**29%** of total grain exports are controlled by **Russia** and Ukraine Ukraine parts shortages put **15%** of European automotive production at risk

4

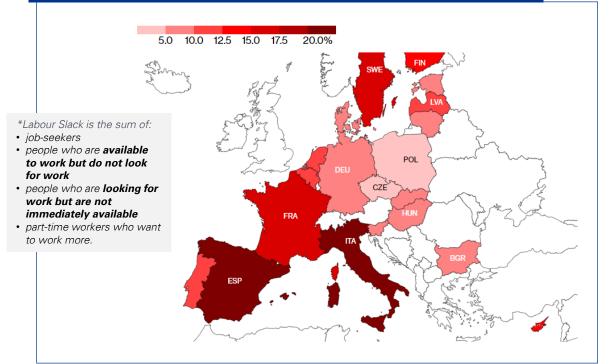
#### \_ogistic disruption: no-normal is the new nor **Global container freight rate index** 9 b\$ of goods blocked 12,000 "Shipping groups prepare for more 10.361 'black swan' event after Suez Blockage" 10.000 350 ships in - Financial times 07/04/2021 -«queue» in six dollars 8.000 days Freight rate in U.S. 6,000 "Global Supply Chains' crisis is much bigger than pandemic; the 4.000 transformation they're undergoing is 2,644 1,342 1,321 1,406 <sup>1,733</sup> 1,446 the cure" 2.000 - Forbes 30/09/2021 -"Shangai lockdown exposes global supply chain strains" Source: Drewry Supply Chain Advisors - Financial Times 15/05/2022-+700% +200% **Ocean freight Cost Increment Delivery Time increment** in the last 2,5 years "European Logistics: From one crisis to the next" - Logistics management 31/05/2022-Port flows Monopoly of **Poor investment** Not balanced maritime in containers management with flows (saturation production low capacity round-trip routes) operators



9,420

# Labour shortage: a problem of mindset & skills

#### Labour slack\*



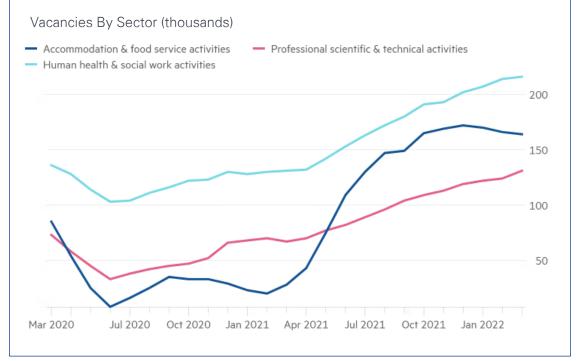
Source: Eurostat

-30,6% Inbound migration flows vs Italy in 2020 due to the pandemic



Italy is held back by **2.6 min** people who have given up on work

#### Demand for skills (professional, technical, scientific)

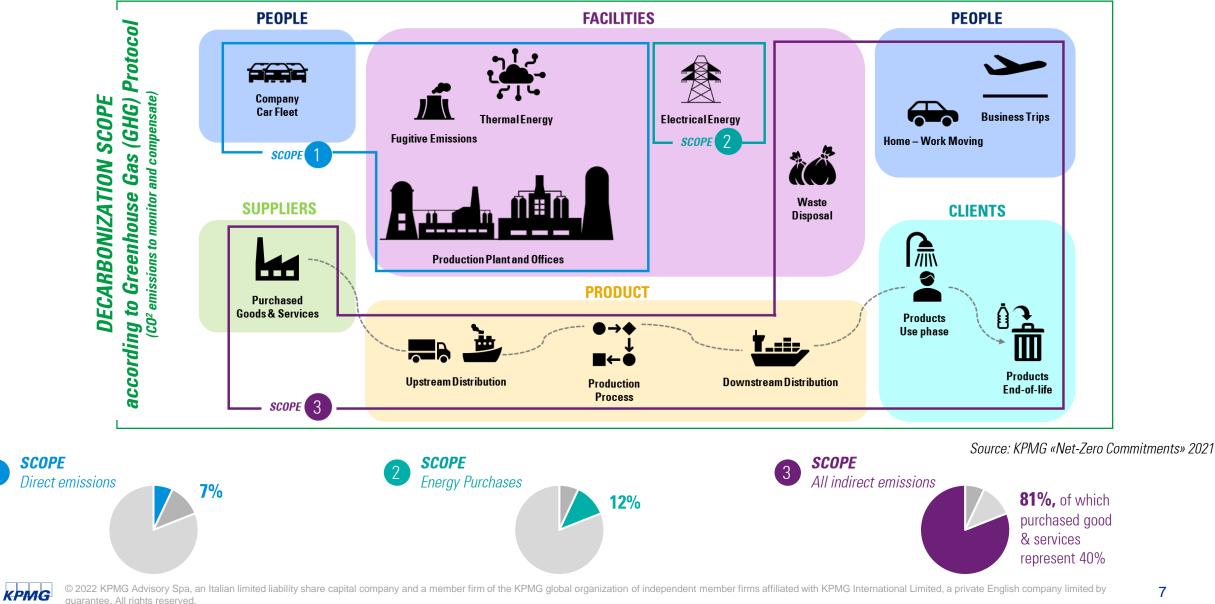


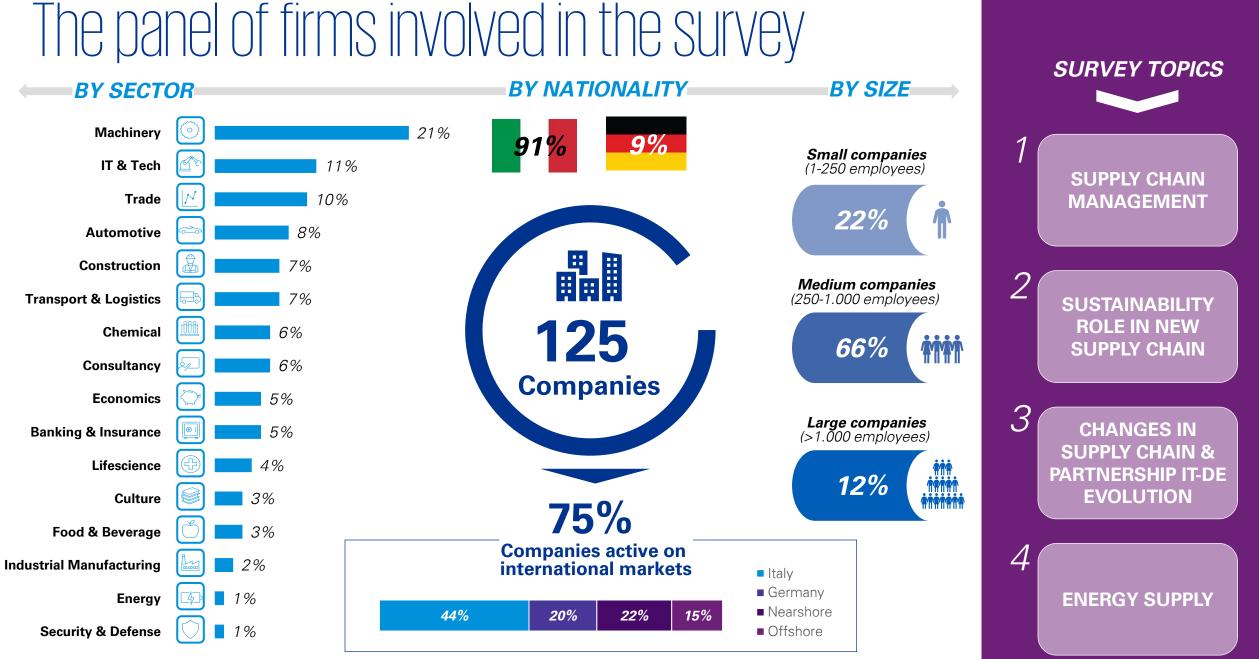
Source: Financial Times

200 b€ EU Recovery Fund to deploy skills-focused programs in Italy

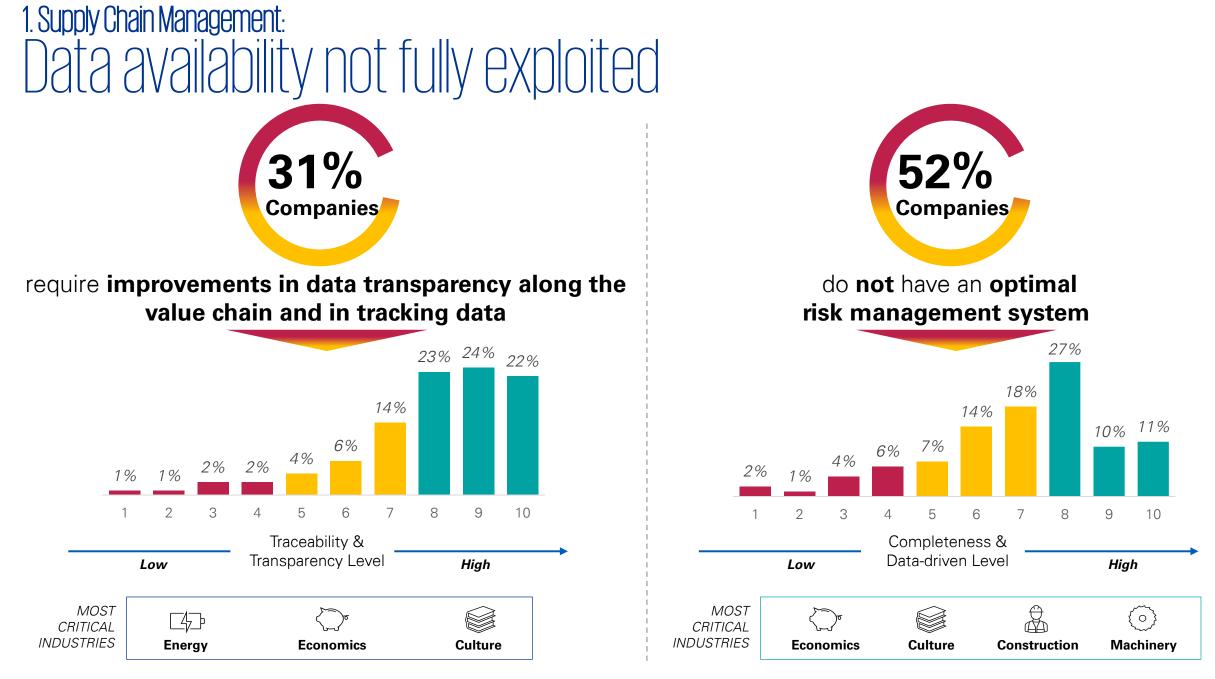


# Sustainability Transformation: it's time to act!

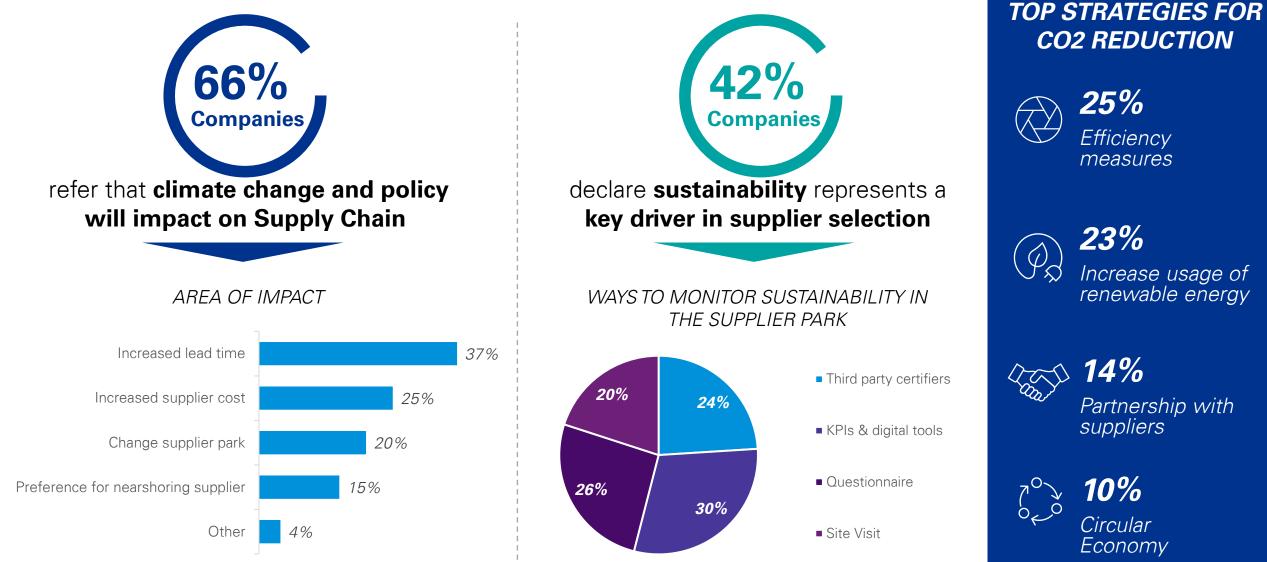




**CPMG** © 2022 KPMG Advisory Spa, an Italian limited liability share capital company and a member firm of the KPMG global organization of independent member firms affiliated with KPMG International Limited, a guarantee. All rights reserved.



### 2. Sustainability role in Supply Chain: An hot topic still to be addressed





© 2022 KPMG Advisory Spa, an Italian limited liability share capital company and a member firm of the KPMG global organization of independent member firms affiliated with KPMG International Limited, a guarantee. All rights reserved.

### 3. Supply Chain readiness to change: Getting Closer despite costs

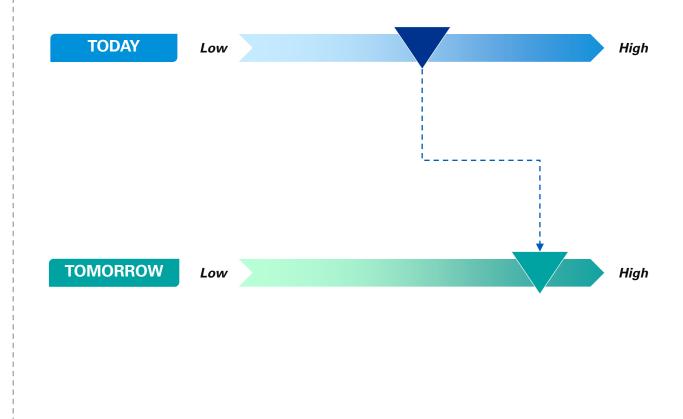


declare Supply Chain and actors involved are not suitable to face emerging challenges

MAIN THREAT FOR COMPANIES 3772 212 **63%** 15% 13% 8% Increased costs Raw Missing supplier Transportation Materials delivery & Logistics (materials, WIP,

deficiency

#### **Nearshoring impact on Supply Chain**



11



energy)

issues

### 3. Commercial partnership evolution: Willingness to switch but inertia to give up traditional models

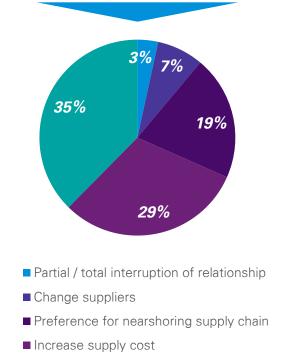


ITALY-GERMANY

are planning to develop new partnership with German firms (also suppliers) in the future

#### RELATIONSHIP WITH CHINA

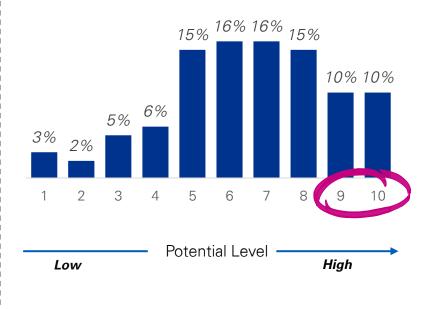
War impact type on commercial relationship with China



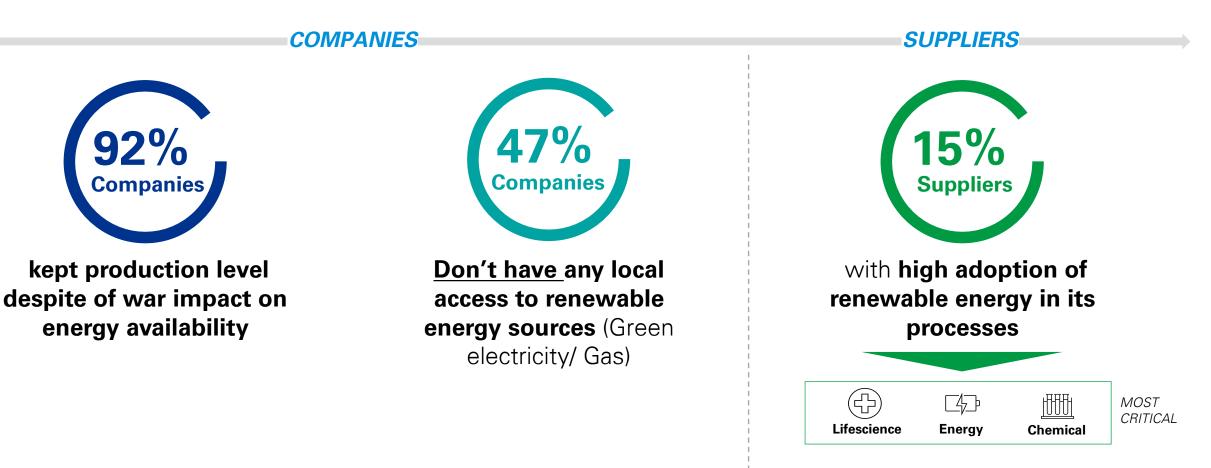
#### Increase Lead Time

#### **ITALY POTENTIAL**

### Only the 20% of companies believe on Italy's high potential

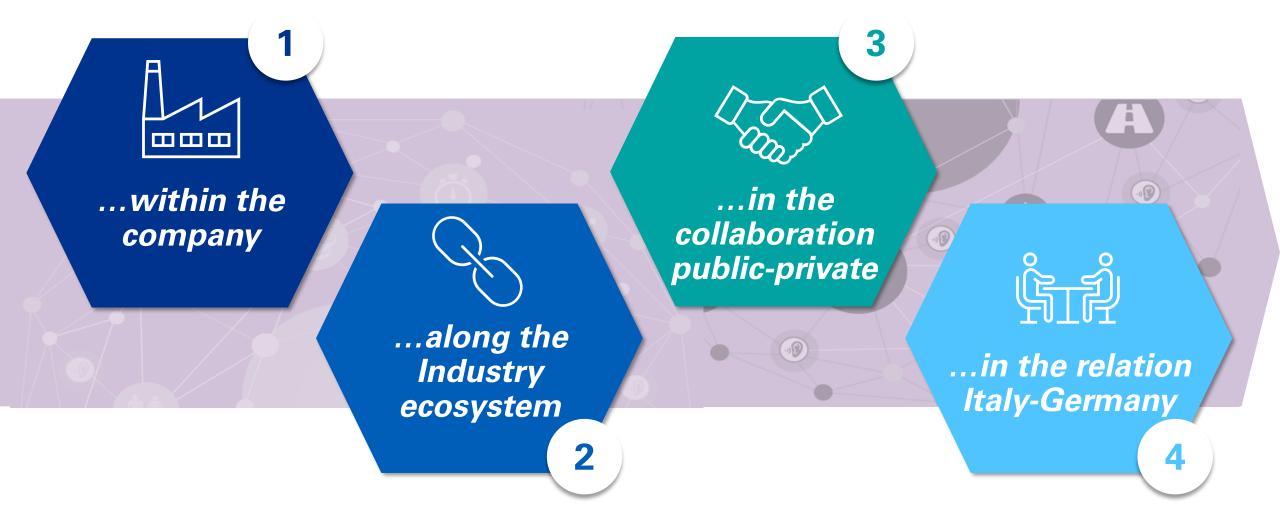


### 4. Energy Supply: Still barriers to access green sources



The traditional supply chain model, suitable in stable contexts, no longer work to manage emerging trends. In order to overcome supply chain disruptions, companies should adopt strategies to strengthen the resilience of the whole supply chain...

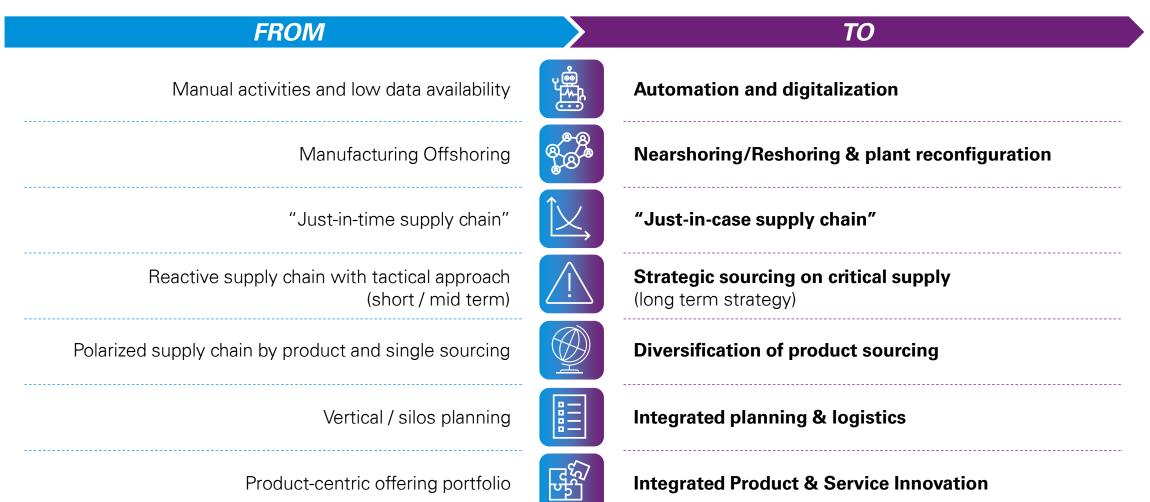
## ...but how to embrace the change?





1. Start from an advanced Supply Chain for the company...



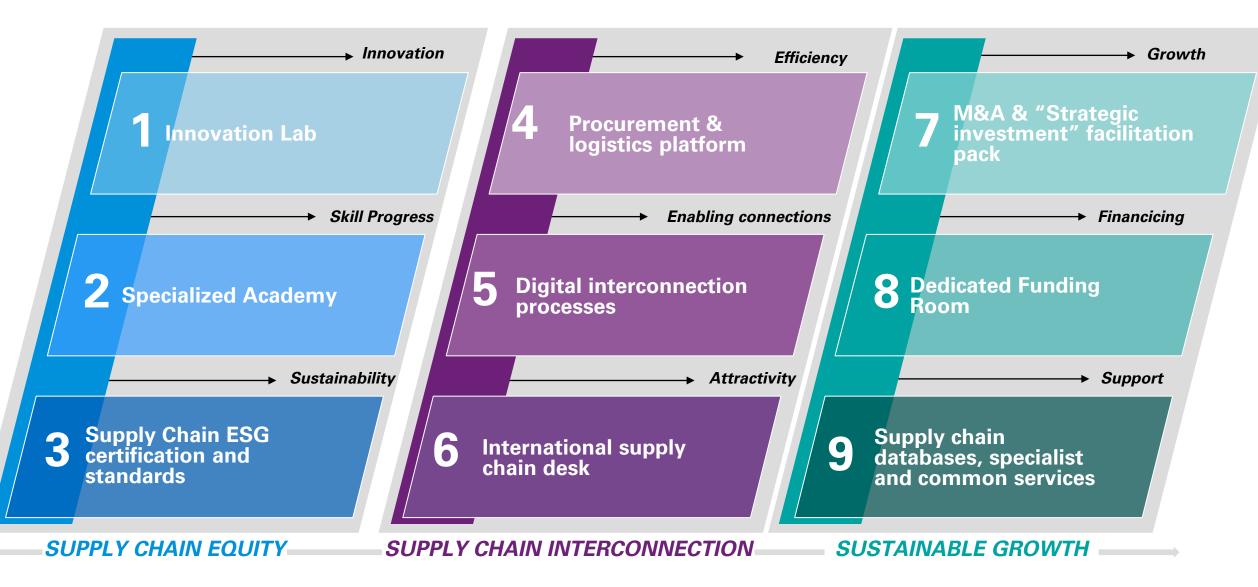






#### Multi / Omni - channel management

# 2. Support the evolution of industrial districts & ecosystems... 📎



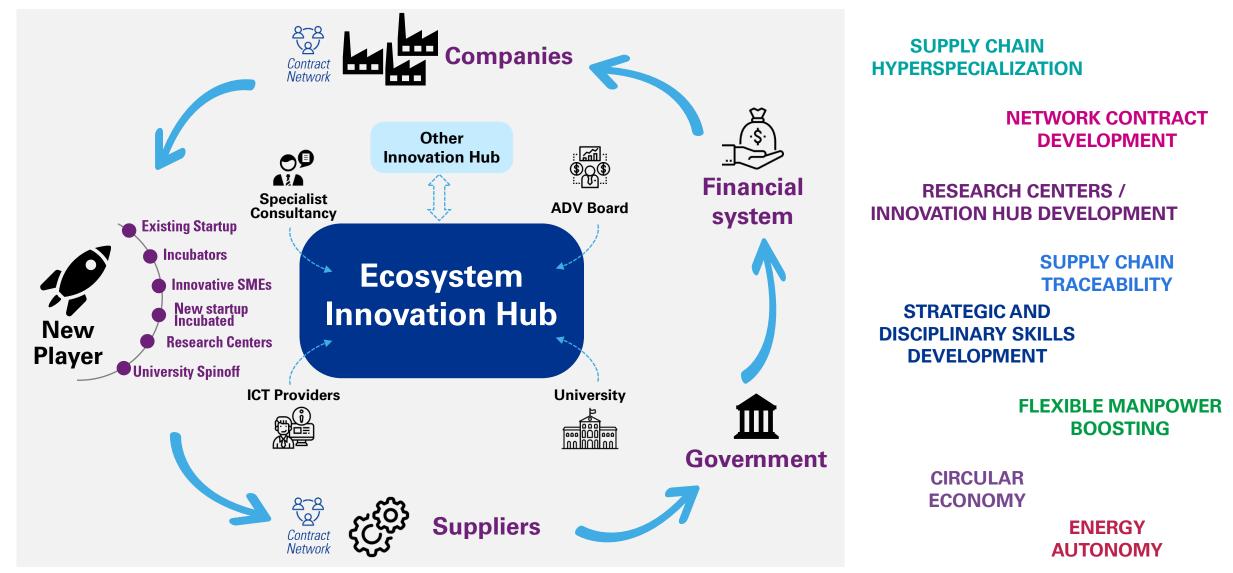


17

# 3. Enhance the collaboration between Private & Public...



18





# 4. Strengthen the relationship Italy-Germany



**KEY INDUSTRIES INVOLVED IN Facilitate Supply Chain ITALY-GERMANY TRADE...** platform projects EUROPEANTEN-T CORRIDORS to enhance product export **Strengthen logistics** infrastructures by creating Industrial Automotive Manufacturing fast corridors (port, railways, airport, freight village) 63 b€ 58 b€ े Food & Lifescience **Define specialized Centers of** Beverage **Excellence** to develop HTT 0 innovative methodologies & Chemical Machinery skilled resources

Promote exchange program to develop know-how



### ...FOR SETTING ITALY-**GERMANY COLLABORATIVE** MODEL



## From insights to new opportunities...



innovative Start-up

### KPMG



Deutsch-Italienische Handelskammer Camera di Commercio Italo-Germanica

#### Alessandro Manzo Partner

KPMG Advisory S.p.A Via Innocenzo Malvasia 6 40134 Bologna (IT) Mobile: +39 348 308 08 04 amanzo@kpmg.it **Jörg Buck** Consigliere Delegato

AHK Italien Via Gustavo Fara 26 20124, Milano tel: +39 02 679131 comunicazione@ahk.it

© 2022 KPMG Advisory Spa, an Italian limited liability share capital company and a member firm of the KPMG global organization of independent member firms affiliated with KPMG International Limited, a private English company limited by guarantee. All rights reserved.