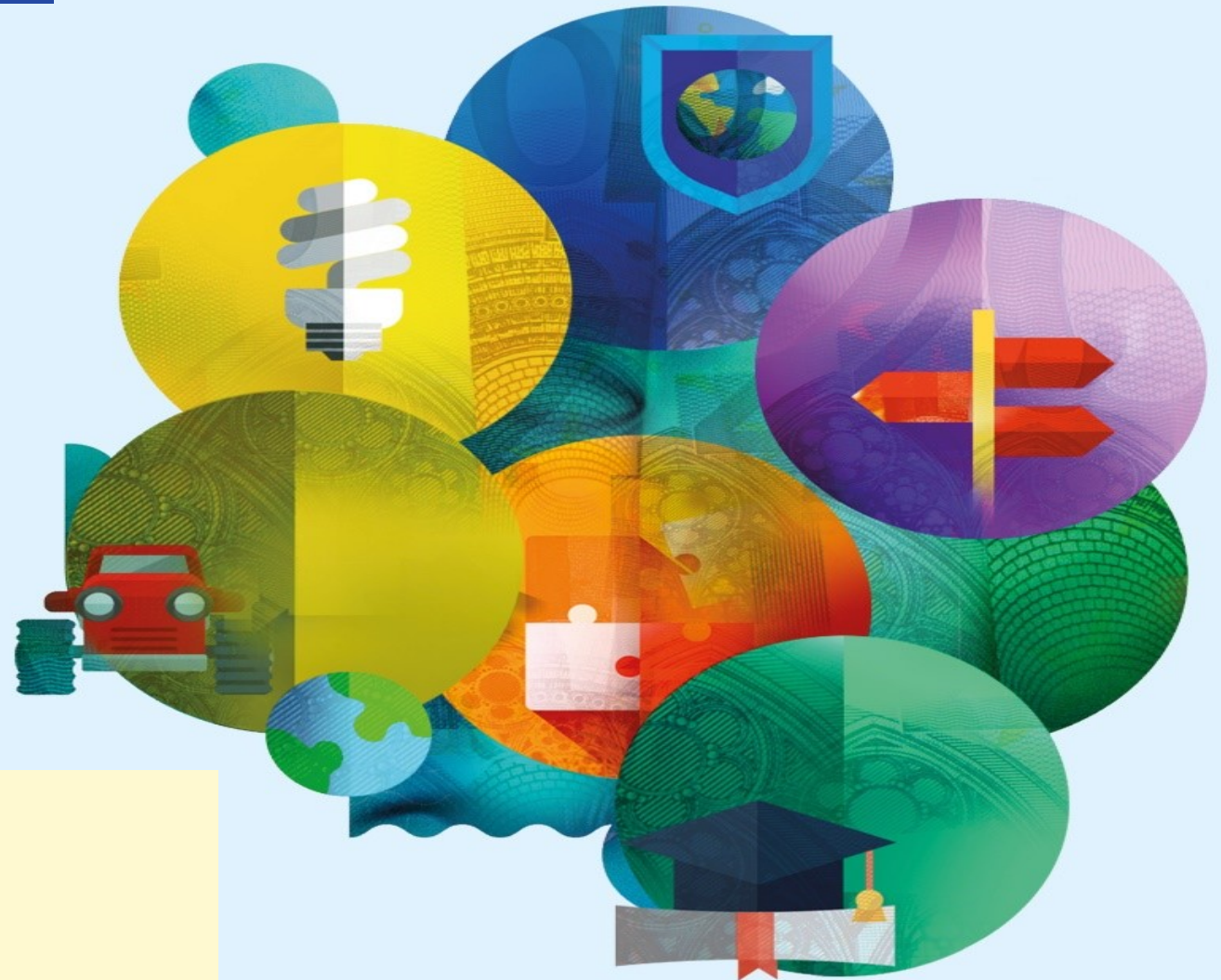


# Manufacturing and Edge Computing in (Horizon) Europe



***sandro.delia@ec.europa.eu***  
***DG Connect***  
***Digital Transformation of Industrial Ecosystems***

# The roaring twenties – the big picture

Climate crisis  
Pandemic  
Global tensions



Twin (green and digital)  
transition  
Next Generation EU  
(Digital Decade)  
Open strategic autonomy

“The European Green Deal is the European growth strategy”  
“NextGenerationEU is the unique opportunity to start a real  
Digital Decade for Europe”

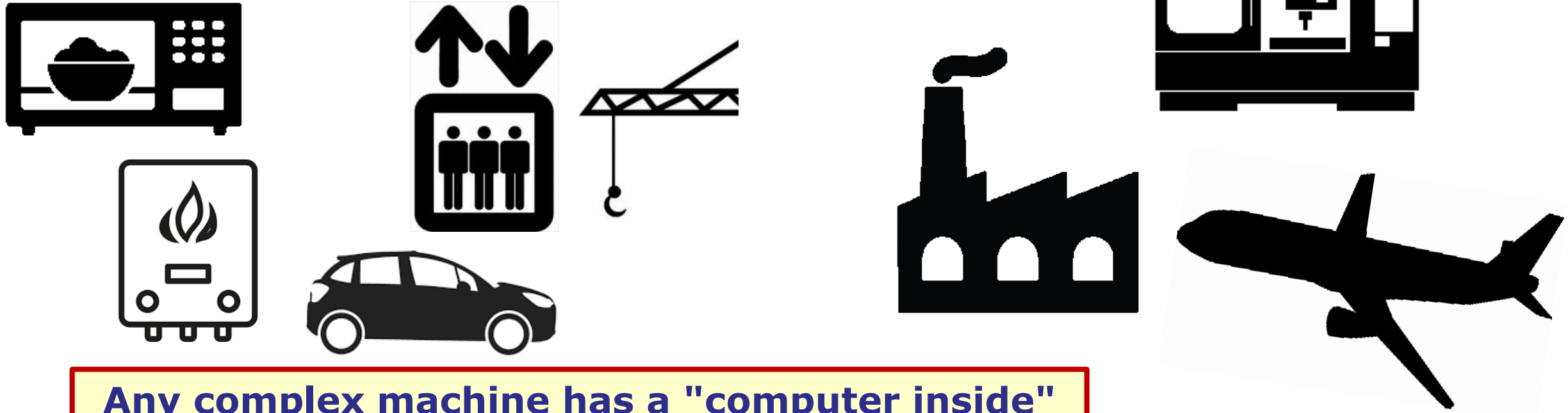


***The twin green and digital  
transition is at the core of  
the EU strategy***



“Sovereignty - or what others call resilience or strategic autonomy - is not about  
isolating ourselves. It is about Europe defending its strategic interests”

# Digital technology is everywhere



**Any complex machine has a "computer inside"**

**Industrial processes need  
radical changes  
to become sustainable**



**Digital technology can help  
to improve processes,  
products and services**

**EU industry depends  
on non-EU clouds**



**Edge computing improves  
open strategic autonomy**

Programme

# Horizon Europe

*Digital Europe*

Pillar

**DRAFT**

*Pillar 1*  
*Excellent Science*

**Pillar 2**  
**Global Challenges and European industrial Competitiveness**

*Pillar 3*  
*Innovative Europe*

Cluster

*Cluster Health*

**Cluster**  
**Digital, Industry and Space**

*Cluster*  
*Climate, energy and mobility*

*Cluster*  
*[...]*

Destination

**Destination**  
**World leading data and computing technologies**

**Destination**  
**Climate neutral, circular and digitized production**

**Destination**  
**Digital and emerging tech for competitiveness & green deal**

*Destination*  
*Increased autonomy in strategic value chains*

Call

**2021, 2022**

**2021, 2022**

**2021, 2022**

Topic

(partnership)

*Cloud to edge to IoT*  
*(future EU platforms for the edge)*  
**(AI, Data and Robotics;**  
**Made in Europe)**

*AI enhanced robotics*  
**(Made in Europe)**

*Data-driven industrial environments*  
**(Made in Europe)**

*Edge processor*  
**(Key Digital Technologies JU)**

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