

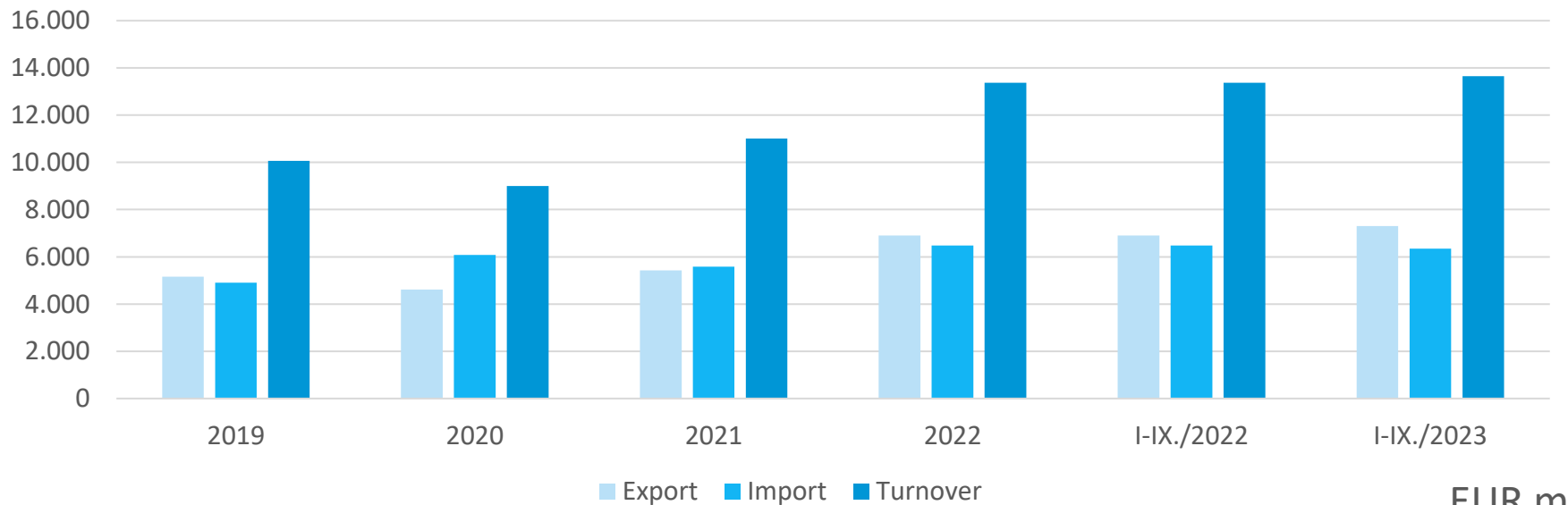
# Partnership for Strategic Resilience



# Bilateral trade relations

- ➔ **Italy - Key Trade Partner:** Record-breaking trade of EUR 18 billion in 2022 solidifies Italy's pivotal role as the Czech Republic's main economic partner.
- ➔ **The mutual trade since joining the EU in 2004 has quadrupled.**
- ➔ **Top 5 Trading Partner:** Italy ascended to the fifth position as a major trading partner in 2022, emphasizing its growing economic significance for the Czech Republic.

# Development of mutual trade



EUR m

Czech Statistical Office

# Czech Industry & Innovation

## → **Industry in Czech Republic:**

Czech industry contributes a third to the national economy, ranking among the EU's most industrialized nations. It represents 2.3% of the EU total.

## → **Tech-Driven Changes:**

Adoption of IT, cyber-physical systems, and AI reshaping the industrial landscape. Nearly 90% of innovation support targets manufacturing core.

## → **Challenges & Prospects:**

Addressing industry trends crucial for sustainability and enhanced productivity in a globally connected sector.

## → **Future Significance:**

Human capital and tech progress pivotal for sustained prosperity and growth.

# Czech Energy Sector

## ➔ Commitment to Carbon Neutrality

- **Pledge:** Committed to reaching carbon neutrality by 2050.
- **EU Contribution:** Aligning efforts with the EU's climate neutrality goals.

## ➔ Carbon Free Energy

- **Nuclear Energy - Operational Units and Expansion Plans:** Currently operates six nuclear units. In preparation up to four large nuclear units, plans for Small Modular Reactors.
- **Renewable Energy:** Emphasizing the use of renewable sources such as wind, solar, biomass, and geothermal.

## ➔ Energy Industry

- Czech companies develop and produce a number of crucial elements for energy generation, including engineering, steam turbines, pumping machinery, pressure and non-pressure parts, valves, switchboards, controlling and information systems and hydrogen technologies.

# Modern and Emission-Free Energy

## ➔ 1. Energy Diversification

- **Broad Energy Mix:** We advocate for the diversification of the energy mix, including nuclear, renewable, and traditional energy.
- **Emission-Free Alternatives:** Support for hydrogen and RES technologies.

## ➔ 2. National Plan for Energy Efficiency Improvement

- **Targeted Actions:** National measures to increase energy efficiency and reduce greenhouse gas emissions.
- **Enhanced Standards:** Revision and strengthening of energy standards and regulations.

## ➔ 3. Hydrogen Strategy

- **Development of Hydrogen Infrastructure:** Focus on utilizing hydrogen in transport, industry, and energy.
- **International Collaboration:** Collaboration with international partners on hydrogen infrastructure projects.

# Smart cities and smart mobility

## ➔ International Collaboration (City For The Future):

- **Platform:** City For The Future connects businesses providing smart and sustainable city solutions.
- **Roadshow:** Showcasing Czech innovations globally, with a focus on Italy in 2023.
- **Business Mission:** Led by Deputy Minister Edvard Kožušník to Rome and Rimini in June 2023.
- **National Pavilion:** Czech companies showcased at ECOMONDO in Rimini in November 2023.

## ➔ Cooperation Potential with Italy:

- **Offered Solutions:** Among other clean urban transport, space technologies for water conservation, smart urban infrastructure, thermosolar beehives, and reusable packaging retail systems.
- **Interest in Italian Practices:** Eager to learn from Italian smart cities ecosystem management at regional and local levels, especially support systems for municipalities.



# Automotive industry as a pillar of the Czech economy



Automotive industry produces  
**37 % of industrial production**  
**24 % of national exports**



Automotive industry employs  
**180 000**  
**Direct employees**



Automotive industry creates  
**9 % of Czech GDP**



Automotive industry employs  
**~ 500 000**  
**Employees in total incl. indirect jobs**



Automotive industry invests  
**31% of all industrial R&D investments**



Automotive industry brings  
**~ 70 bil. CZK** into the  
**state budget**

Source: Czech automotive industry association, august 2023



# Transition to electric vehicle production

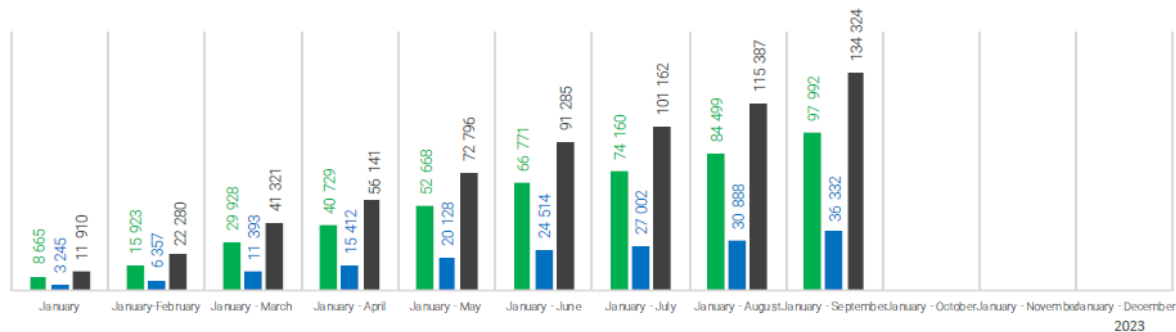


## Passenger cars

January-September

cumulation

Total passenger vehicles production	1 017 933	100%
of these BEVs	97 992	9,63%
of these PHEVs	36 332	3,57%
<b>Total electric passengers vehicles production</b>	<b>134 324</b>	<b>13,20%</b>



# Clean Mobility - financial support in the Czech Republic

- **NPO 2021-2025** **235 EUR milion**
  - 116 EUR milion Prague public transportation
  - 5,70 EUR milion residential charging stations
  - 24 EUR milion vehicles and municipal charging stations, NGOs etc.
  - 80 EUR milion vehicles and charging stations for businesses
  - 9,1 EUR milion vehicles
- **OPD 2021-2027** **240 EUR milion** public charging and hydrogen filling stations
- **IROP 2021-2027** **332 EUR milion** public transport vehicles and infrastructure
- **Modernisation Fund** **over 1,2 bil. EUR** (including railways)
- **Total** **up to cca 2 bil. EUR**



# Czech Aerospace Industry: Global Player with Cosmic Ambitions

## ➔ 1. Czech Republic in the Aerospace Industry

- **Significant Producer:** Czech Republic is among the top producers of aircraft and aerospace components.
- **40 Companies:** Contributing to the aerospace industry.

## ➔ 2. Achievements in Ultralight and Sport Aircraft

- **Global Leader:** Czech Republic among the largest producers of ultralight aircraft and sport planes.

### ➔ 3. Czech Republic and Space Exploration

- **Investment:** EUR 60 million billion from the state budget for space activities.
- **Growing Investments:** Developing investments in space through the ESA BIC business incubator in Prague.
- **Company Involvement:** Over 40 companies participating in projects managed by CzechInvest.

### ➔ 4. National Space Plan and Collaboration with the European Space Agency (ESA)

- **ESA as Key Partner:** Czech Republic contributes EUR 62 million annually to optional ESA programs.
- **Mutual Collaboration:** ESA projects as a platform for close collaboration between our countries.
- **History of IT Cooperation:** Eight industrial forums between CZ and IT since 2013.

### ➔ 5. Examples of Successful Collaboration

- **SAB Aerospace:** Czech company with IT roots, involved in projects such as Vega dispenser, PLATO structure, ROSE-L structure.



# Czech Defense Industry

- ➔ Significant acquisitions by Czech defense industry companies abroad, e.g. Italy, U.S., Spain.
- ➔ Strong presence at major as well as regional defense industry expos.
- ➔ Wide range of products such as armored vehicles, aircraft, ammunition, assault rifles, drones, personal protection equipment, software as well as capabilities and tradition in ammunition demilitarization.
- ➔ Improving capabilities of Czech defense industry companies by actively involving them in large modernization projects of the Czech Army (e.g. CV90 APCs, CAESAR howitzers, F-35 jets).

# Thank you

