



# **INVESTMENT AND BUSINESS OPPORTUNITIES IN SLOVAKIA**

## **SLOVAK BUSINESS DELEGATION VISIT, JUNE 5 2023**

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MICHAL DUTKO, FOREIGN TRADE DEPARTMENT, SARIO

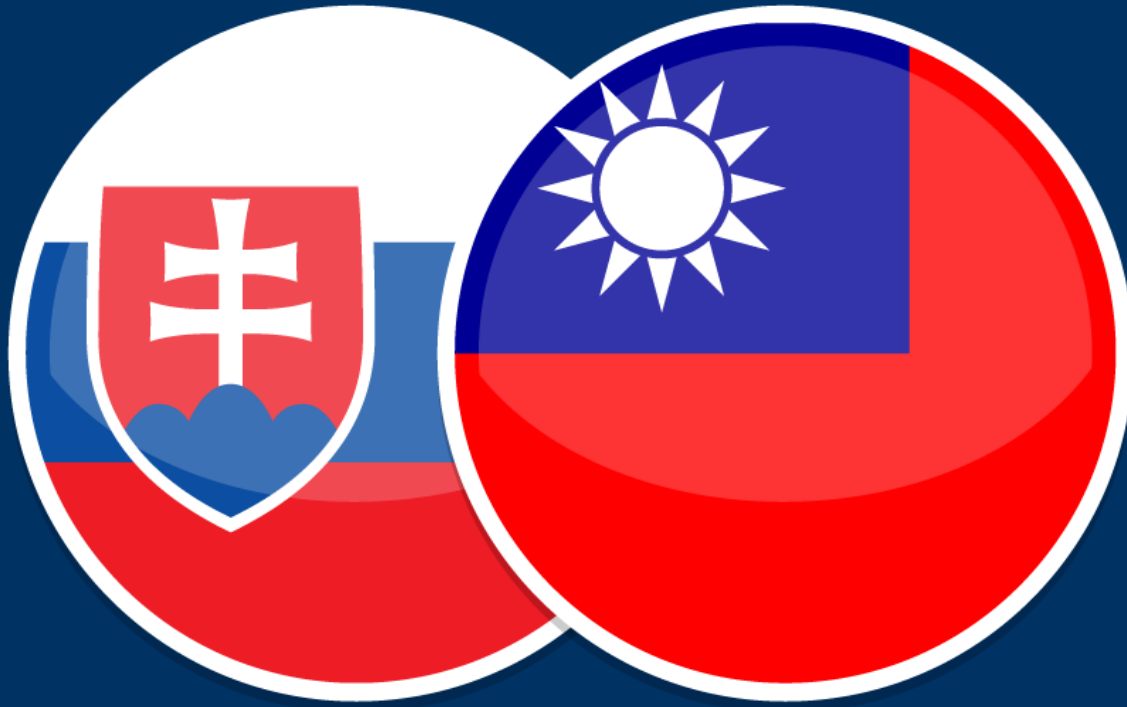
## BUSINESS FRIENDLY SLOVAKIA - CONTENT

1. TAIWANESE AND OTHER EAST ASIAN SUCCESS STORIES
2. INTRODUCTION TO SLOVAKIA
3. INTRODUCTION TO ELECTRONICS AND ELECTRICAL COMPONENTS INDUSTRY IN SLOVAKIA
4. SLOVAKIA READY FOR E-MOBILITY
5. SLOVAKIA - YOUR IDEAL SITE FOR DATA CENTERS
6. MISSION OF SARIO

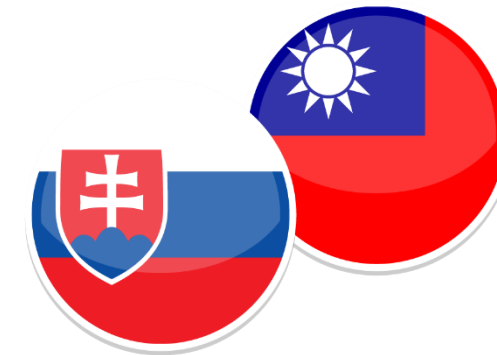


BRATISLAVA





## **TAIWANESE SUCESS STORIES IN SLOVAKIA**



## SUCCESS STORIES FROM TAIWAN

### FOXCONN

Nitra

Production of LCD and OLED TVs,  
one of the PCB leaders in Central  
Europe

- employees: 1,531
- turnover: 1.2 bln



Dubnica nad Váhom

Components of power systems - solar inverters,  
rectifiers

- employees: 560
- turnover: 83.1 mil



AU Optronics

Trenčín

Service of LCD modules, production of plastic  
and metal components for automotive industry

- employees: 103
- turnover: 5.1 mil

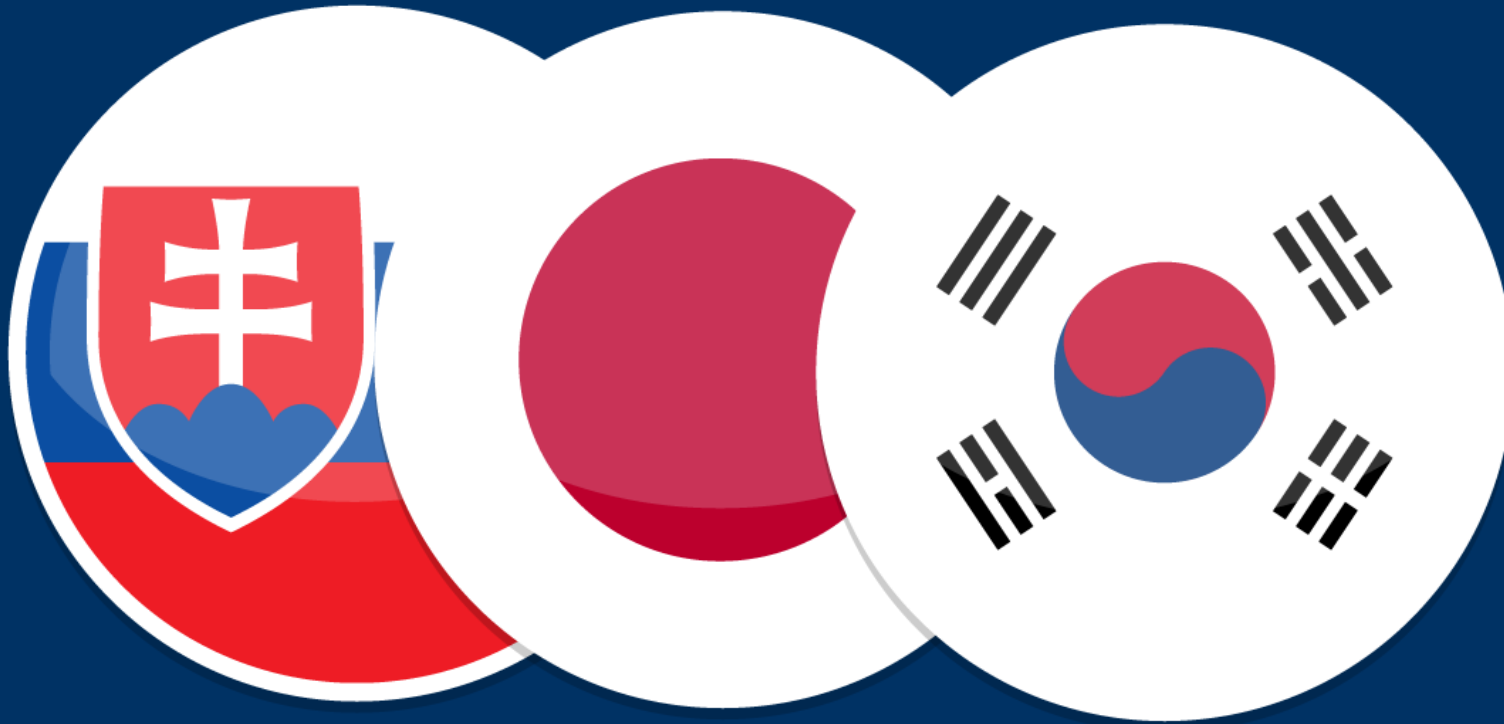


Liptovský Hrádok

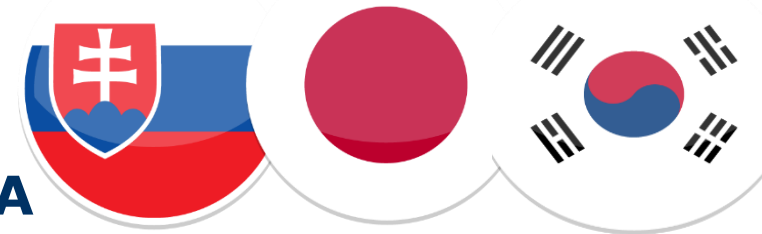
Production of backup power sources  
for the telecommunications industry

- employees: 593
- turnover: 57.5 mil





## EAST ASIAN SUCCESS STORIES



## SUCCESS STORIES FROM JAPAN AND SOUTH KOREA



**Gbeľany**  
Automotive modules  
and parts



**Trstená, Stará Ľubovňa**  
Electronic components  
for audio/video, home  
appliances



**Žilina**  
Automotive OEM



**Galanta**  
High-end televisions,  
and large format  
displays



**Trencin**  
Brake technology for  
Automotive Industry



**Kosice**  
Automotive motors



**Strečno**  
Fuel tanks, front and rear  
chass for Automotive  
Industry



**Lednické Rovne**  
Cable harnesses for  
Automotive Industry



# INTRODUCTION TO SLOVAKIA

## SLOVAKIA – YOUR GATEWAY TO EUROPE

- **Located in the geographical and political heart of Europe**
- **Easily accessible** from all European important centers
- The capital Bratislava lies **on the border with Austria and Hungary** and 60 km from the Czech border
- **600 MILLION CLIENTS** in radius of **2,000 km**

**Establishment:** 1 January 1993

**Population:** 5,400,000

**Area (km<sup>2</sup>):** 49,035

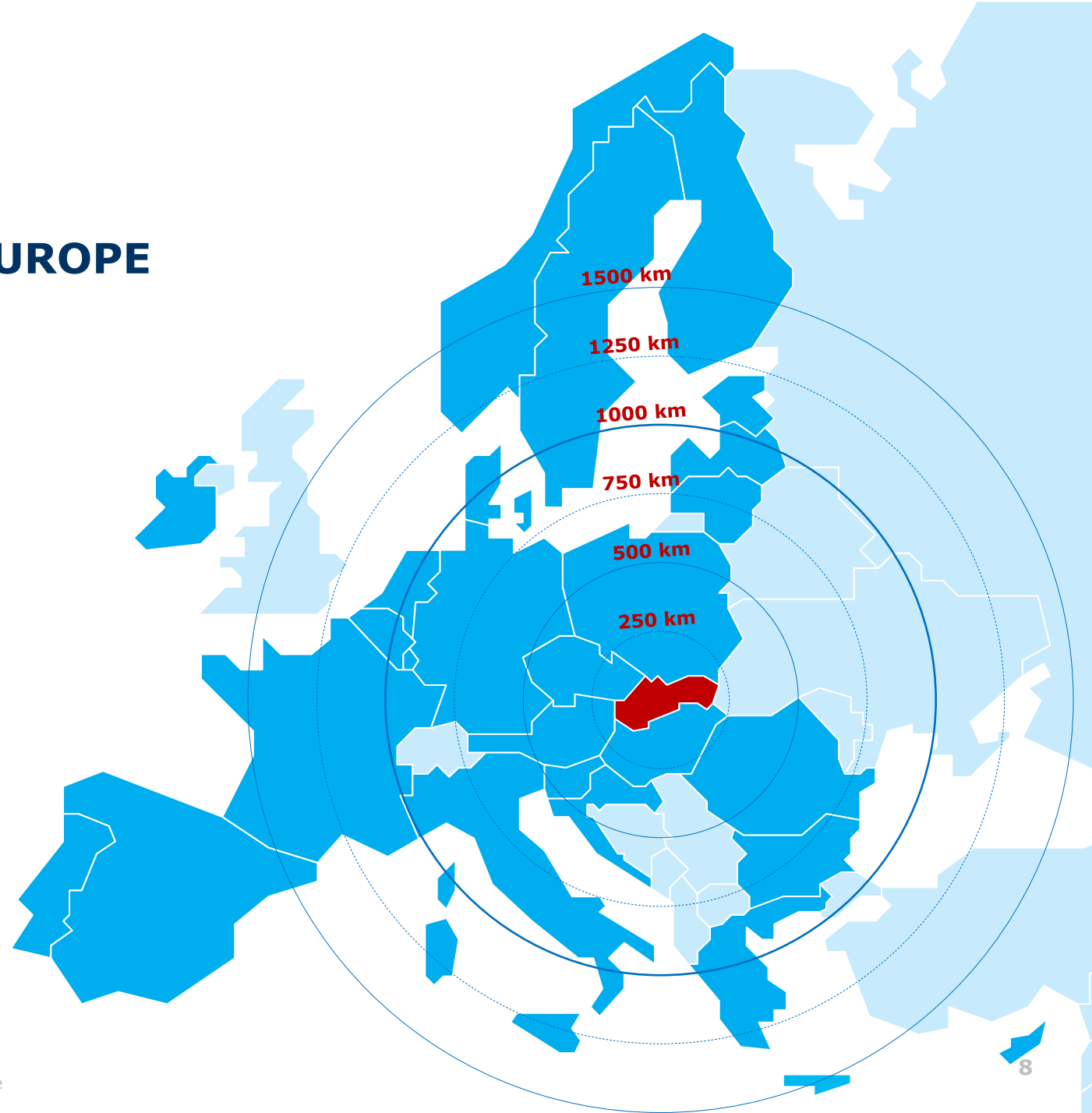
**Official currency:** Euro

**Official language:** Slovak

**Political system:** Parliamentary democracy with 4 years election term

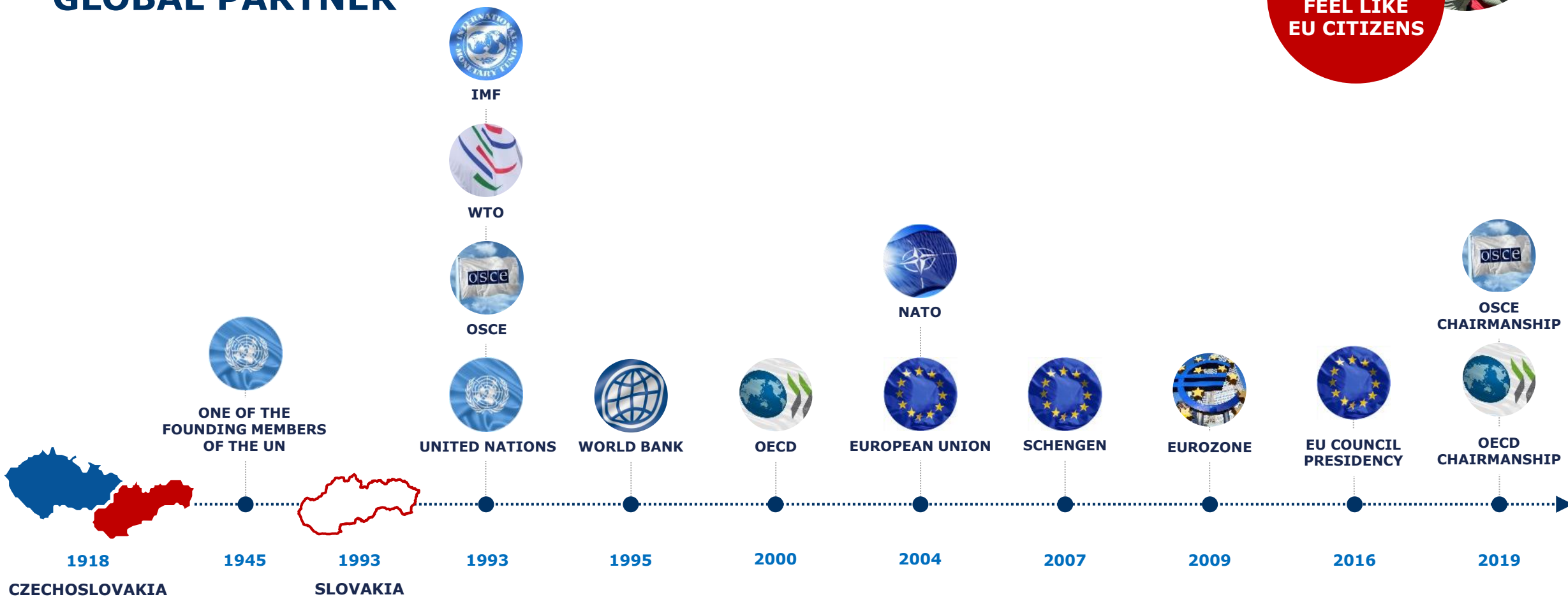
**Neighbors:** Austria, Czech Republic, Hungary, Poland, Ukraine

**Time zone:** GMT+1 hour










# SLOVAKIA – FULLY INTEGRATED EU MEMBER AND RELIABLE GLOBAL PARTNER



## STABLE ENVIRONMENT - ONE OF THE BEST COUNTRY CREDIT RATINGS IN THE CEE

CREDIT RATING AGENCY	SLOVAKIA	CZECH REPUBLIC	HUNGARY	POLAND	BULGARIA	ROMANIA	SERBIA	TURKEY
 <b>STANDARD &amp; POOR'S</b>	<b>A+</b> Stable	<b>AA-</b> Stable	<b>BBB</b> Stable	<b>A-</b> Stable	<b>BBB</b> Stable	<b>BBB-</b> Negative	<b>BB+</b> Stable	<b>B+</b> Stable
 <b>Moody's Corporation</b>	<b>A2</b> Stable	<b>Aa3</b> Stable	<b>Baa3</b> Positive	<b>A2</b> Stable	<b>Baa1</b> Stable	<b>Baa3</b> Stable	<b>Ba2</b> Stable	<b>B2</b> Negative
 <b>FitchRatings</b>	<b>A</b> Negative	<b>AA-</b> Stable	<b>BBB</b> Stable	<b>A-</b> Stable	<b>BBB</b> Stable	<b>BBB-</b> Negative	<b>BB+</b> Stable	<b>BB-</b> Stable
 <b>JCR</b> Japan Credit Rating Agency.	<b>A+</b> Stable	<b>AA-</b> Stable	<b>A-</b> Stable	<b>A</b> Stable	n/a	<b>BBB</b> Negative	n/a	<b>BB+</b> Negative
 <b>R&amp;I NOW</b> Rating and Investment Information	<b>A+</b> Stable	<b>AA-</b> Stable	<b>BBB+</b> Stable	<b>A</b> Stable	n/a	n/a	n/a	<b>BB-</b> Negative
<b>OECD Country risk</b>	-	-	-	-	3	3	4	5

DATA AS OF Q1 2021

## ONE OF THE BEST PROPERTY RIGHTS PROTECTION IN CEE REGION

**INTERNATIONAL PROPERTY RIGHTS INDEX 2020 (IPRI)** IS ONE OF THE MOST CREDIBLE BAROMETERS OF THE STATE OF **PHYSICAL & INTELLECTUAL PROPERTY RIGHTS PROTECTION** IN 129 COUNTRIES (COVERING 98% OF THE WORLD GDP AND 94% OF WORLD POPULATION).

**SLOVAKIA RANKS 1<sup>st</sup> IN THE REGION** **IN PHYSICAL PROPERTY RIGHTS** & **3<sup>rd</sup> IN THE REGION** **IN INTELLECTUAL PROPERTY RIGHTS**

→ reflecting state of the country in the following areas:



### PROTECTION OF PHYSICAL PROPERTY

Slovakia ranks **1<sup>st</sup>** regionally



### REGISTERING PROPERTY

Slovakia ranks **1<sup>st</sup>** regionally



### EASE OF ACCESS TO LOANS

Slovakia ranks **1<sup>st</sup>** regionally

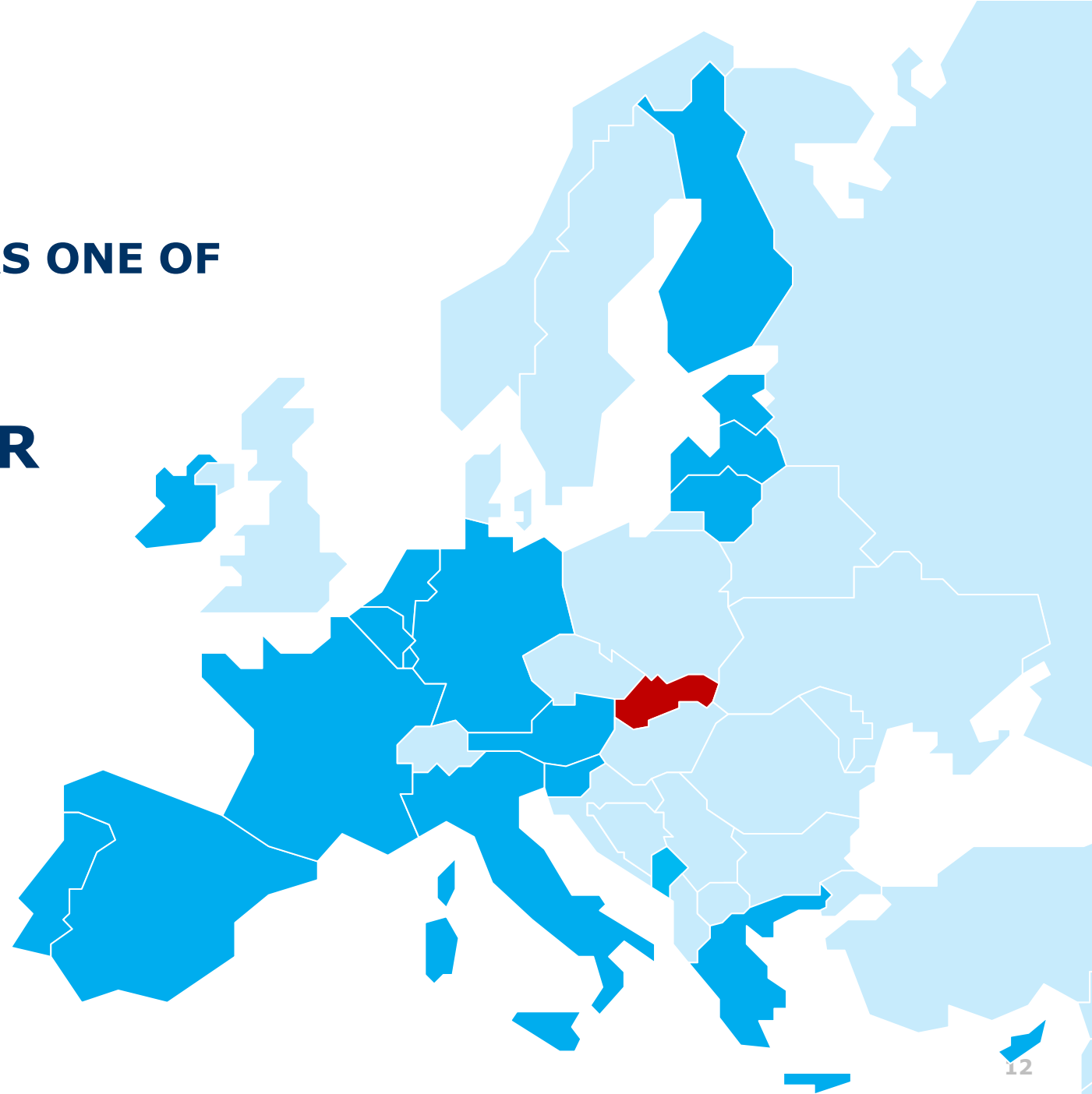


## SLOVAKIA HAS EURO CURRENCY AS ONE OF THE FEW IN CEE



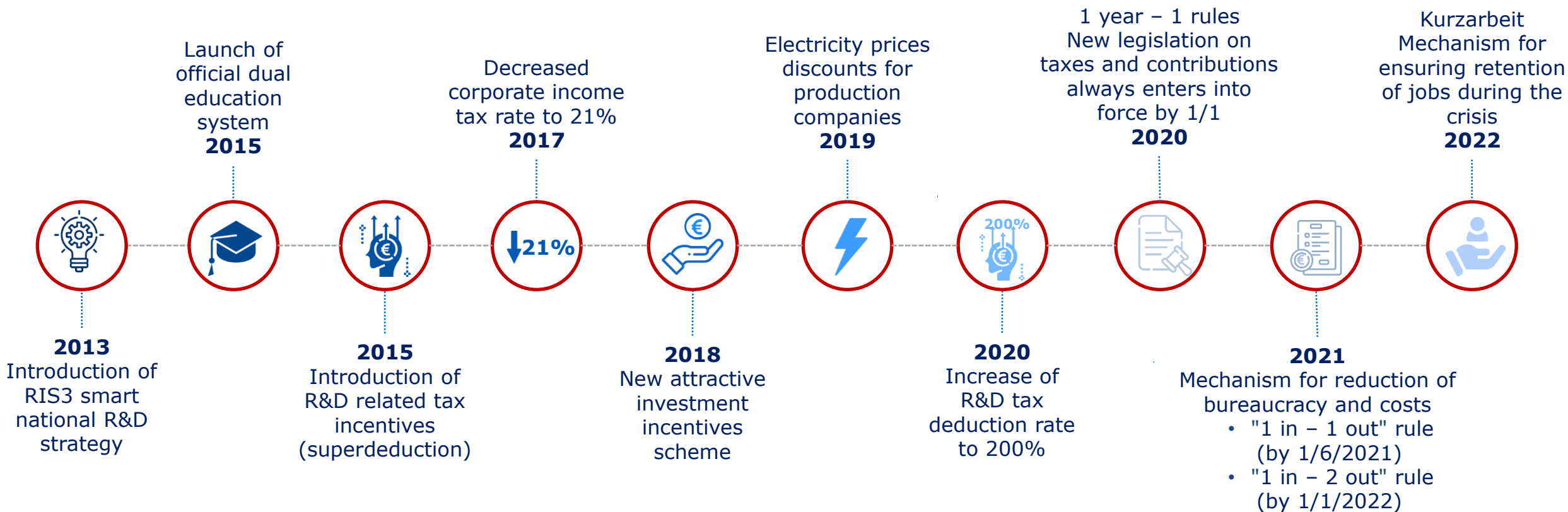
## EUROZONE MEMBER SINCE 2009

- **Positive impact on business:**
  - Limitation of Foreign Exchange Risk
  - Lowering Transaction Costs
  - Growth in Foreign Trade
  - Increased Economic & Financial Stability
- **Favorable conditions for long-term business decisions**



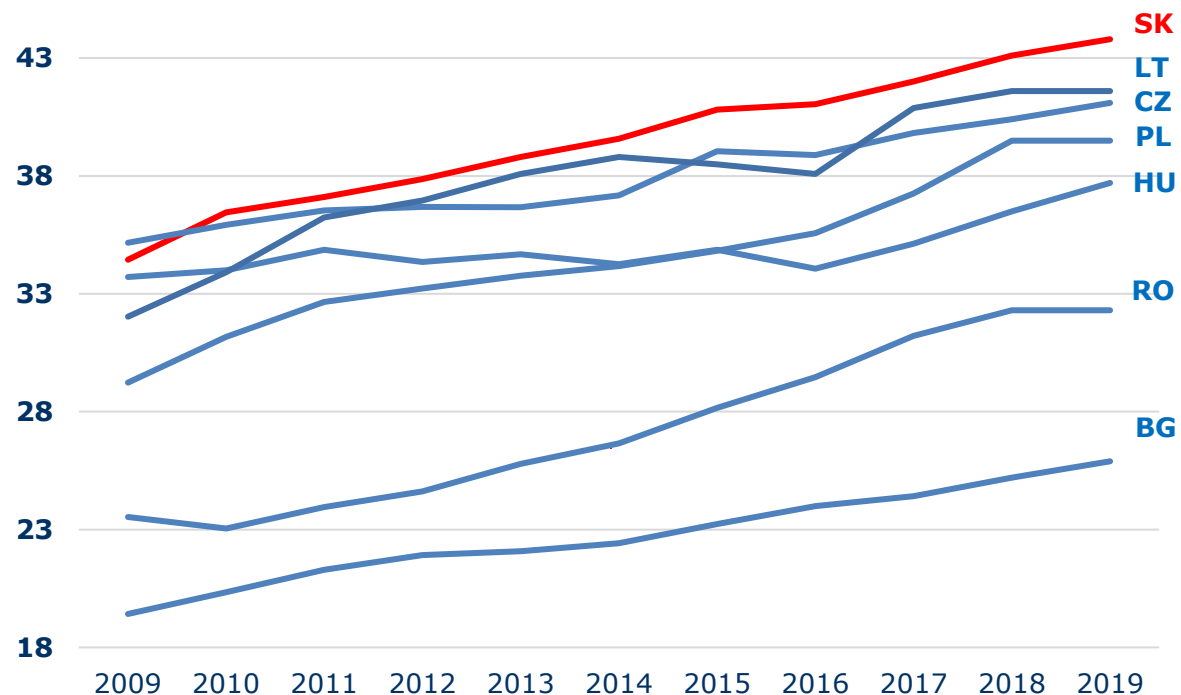
## CONTINUALLY IMPROVING BUSINESS ENVIRONMENT – ALREADY DONE

THERE ARE SEVERAL RECENT ACTIVITIES AND MEASURES INTRODUCED BY THE SLOVAK GOVERNMENT TO INCREASE THE QUALITY OF THE SLOVAK BUSINESS & INVESTMENT ENVIRONMENT:



## SLOVAKIA REACHES THE HIGHEST LABOUR PRODUCTIVITY IN CEE

### GDP (IN PPS) PER HOUR WORKED (IN USD)



#### LEADER IN AUTOMATION – NO. 16 GLOBALLY

Slovakia has **169 industrial robots** per 10,000 employees, the best rate in CEE (European avg = 114; World avg = 113)



#### FDI & TECHNOLOGY TRANSFER LEADER IN CEE

In the extent of **bringing new technology** to host country. 15<sup>th</sup> place worldwide (out of 137 countries)



#### THE HIGHEST SHARE OF ADDED-VALUE EMPLOYMENT IN CEE

Jobs in **medium-high technology manufacturing** and **knowledge-intensive services** in the CEE region



#### ONE OF THE LOWEST NUMBER OF LOST WORKING DAYS DUE TO INDUSTRIAL ACTIONS IN EU

per 1,000 employees thanks to existing **tripartite dialogue** – platform ensuring low level of industrial action



#### THE HIGHEST SHARE OF PEOPLE WORKING AT NIGHT IN EU

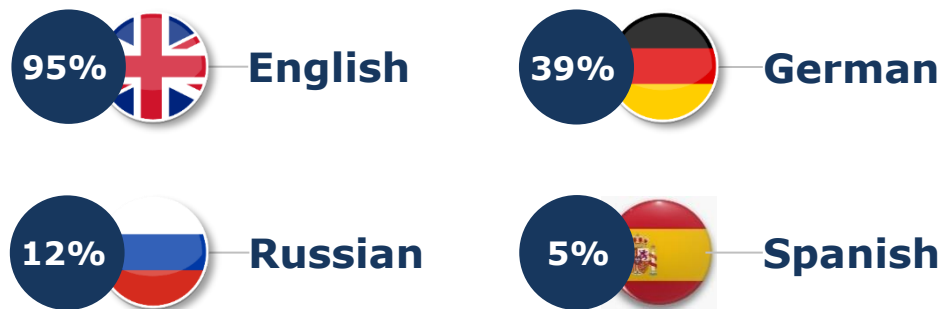
almost **every 4<sup>th</sup>** in the automotive industry

## MULTILINGUAL COMPETENCIES: KEY ADVANTAGE OF SLOVAK LABOUR POOL

IN SLOVAKIA, THERE IS AN **OBLIGATORY POLICY TO STUDY AT LEAST ONE FOREIGN LANGUAGE**

### WHICH ARE THE MOST STUDIED FOREIGN LANGUAGES?

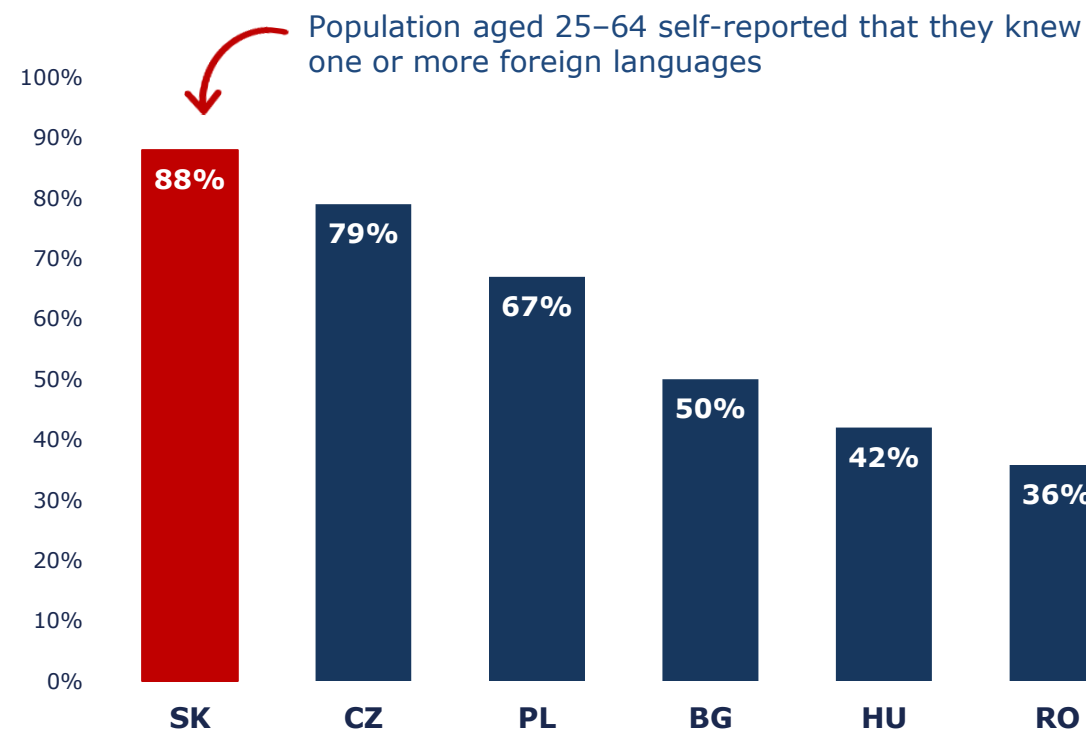
% of students learning language at secondary schools



### HOW MANY LANGUAGES DO STUDENTS LEARN IN AVERAGE?

- **2** languages on **general** secondary education (98% of students)
- **1.4** languages on **vocational** secondary education
  - *37% of vocational students study 2 languages*

### 88% OF SLOVAK PEOPLE SPEAK AT LEAST ONE FOREIGN LANGUAGE



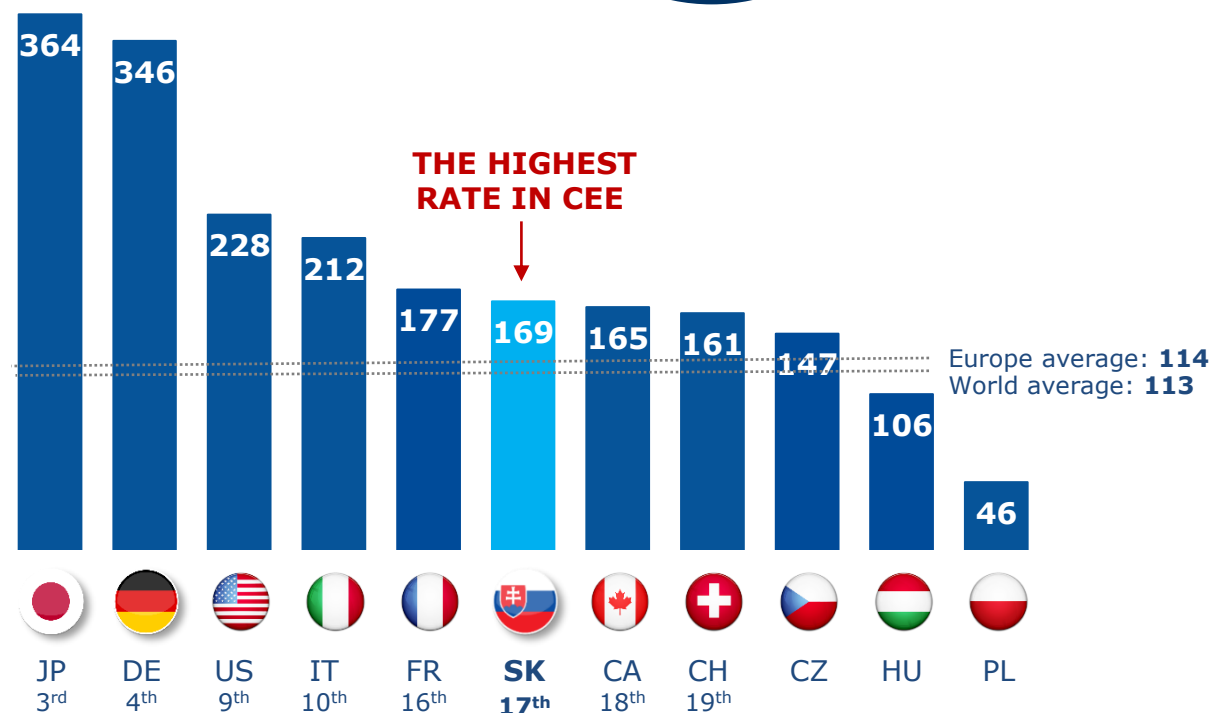
## AMONG WORLD LEADERS IN AUTOMATION

SLOVAKIA BELONGS TO **TOP 17** COUNTRIES WITH **THE HIGHEST NUMBER OF INSTALLED ROBOTS IN THE MANUFACTURING INDUSTRIES** PER 10,000 EMPLOYEES.

- There were **169 robots per 10,000 workers** in 2019, according to International Federation of Robotics.
- The number of robots used in Slovak companies has **increased to 214%** compared to 2015 figures.
- **Car and electrical engineering** industries remain to be leaders in implementing robotic devices.
- Robots are mostly implemented in **handling, welding, painting, metal industry, logistics** and as **service robots**.

SLOVAKIA IS  
THE WORLD'S  
17TH LARGEST  
ROBOT  
MARKET

IFR  
International  
Federation of  
*Robotics*



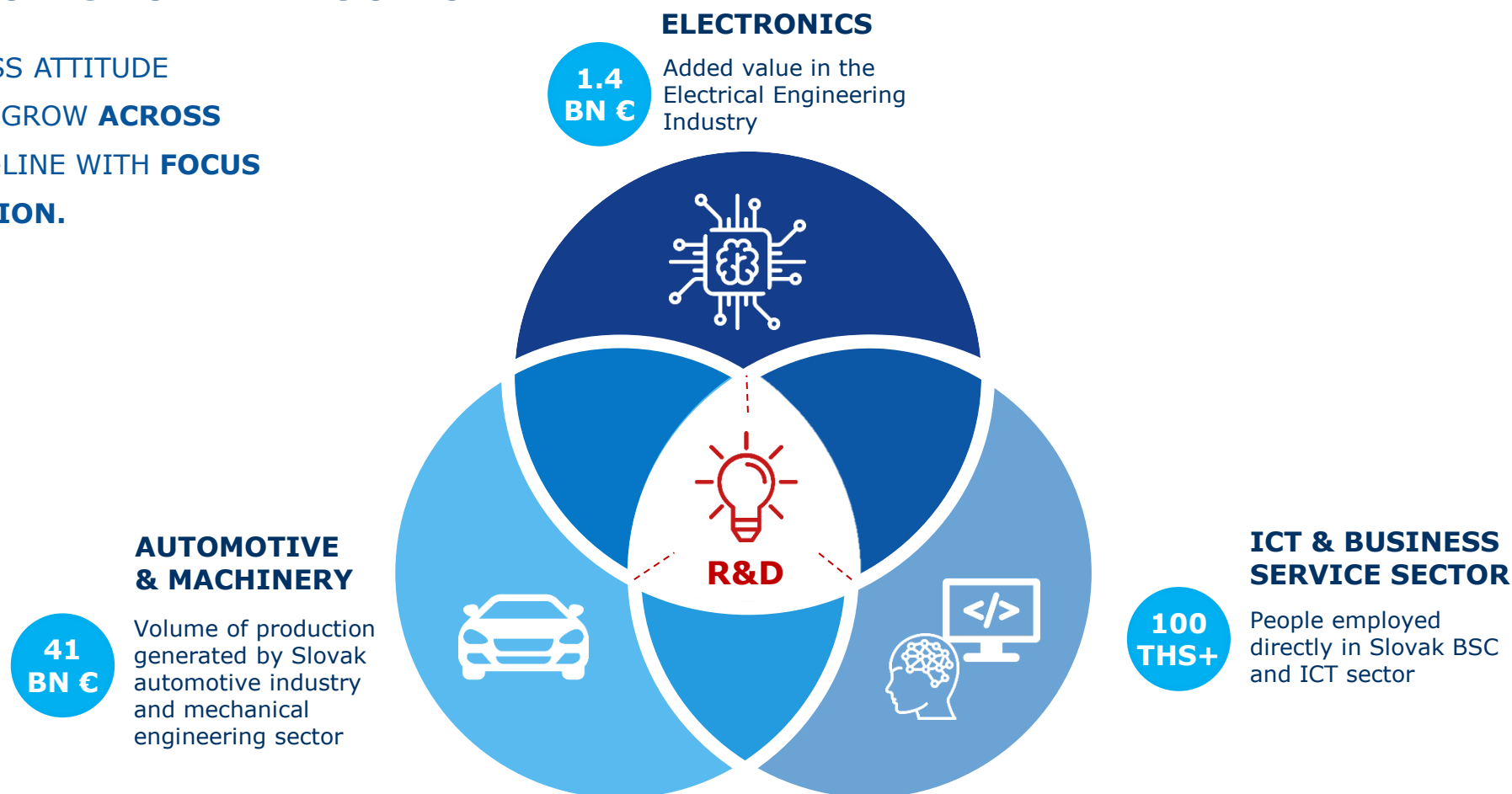




## **KEY SECTORS OF THE SLOVAK ECONOMY**

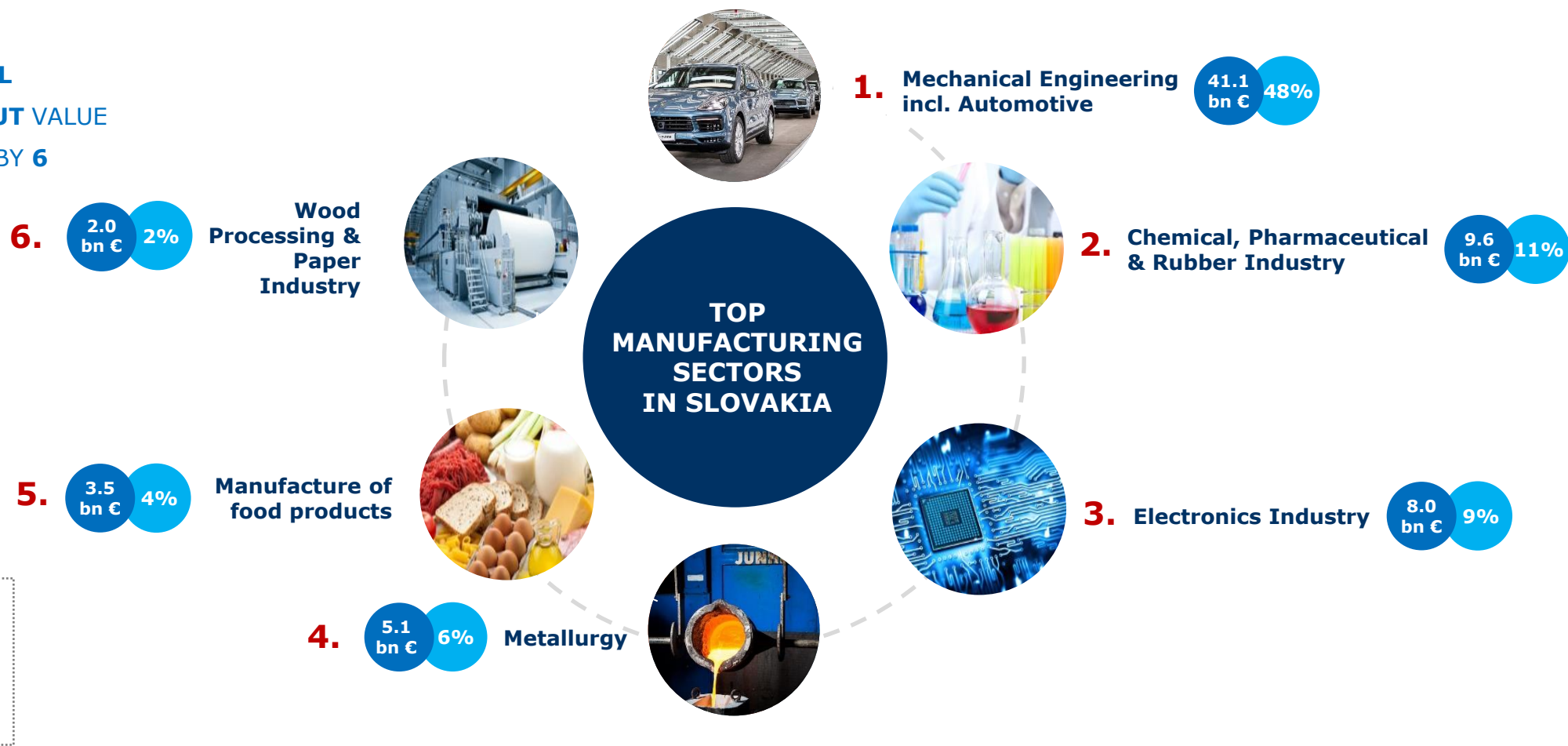
## KEY PILLARS OF SLOVAK ECONOMY

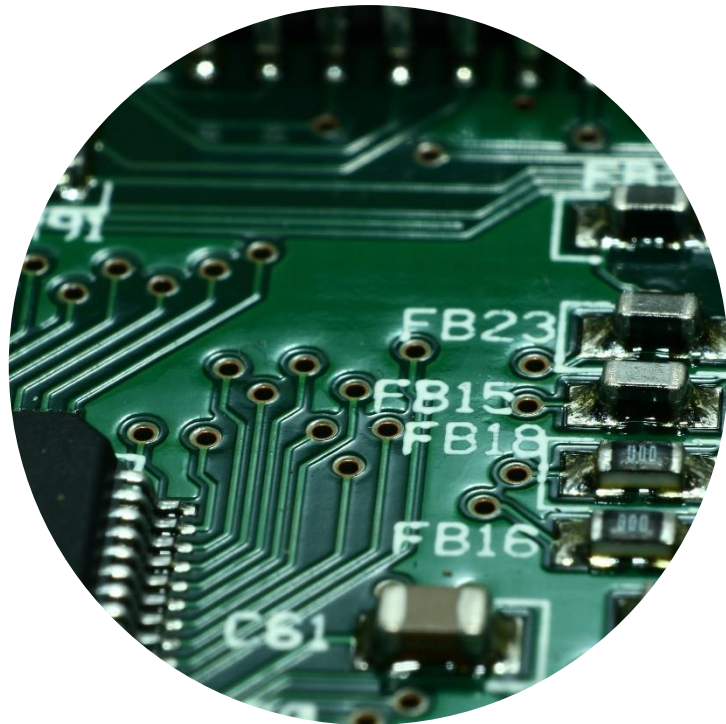
COUNTRY'S PRO-BUSINESS ATTITUDE  
ENABLES COMPANIES TO GROW **ACROSS**  
**BUSINESS SECTORS** IN-LINE WITH **FOCUS**  
**ON R&D AND INNOVATION.**



# SLOVAKIA HAS DIVERSIFIED MANUFACTURING SECTOR WITH HIGH-TECH INDUSTRIES

MORE THAN 4/5 OF TOTAL  
MANUFACTURING OUTPUT VALUE  
IN SLOVAKIA IS CREATED BY 6  
PRODUCTION SECTORS





# ELECTRONICS & ELECTRICAL COMPONENTS INDUSTRY (EEC)



# ELECTRONICS & ELECTRICAL COMPONENTS INDUSTRY (EEC) IN SLOVAKIA

## KEY FIGURES

**9%**  
SHARE OF THE INDUSTRY ON  
TOTAL INDUSTRIAL  
PRODUCTION



**47,000+**  
PEOPLE EMPLOYED  
BY THE INDUSTRY



**1.38 BN €**  
ADDED VALUE OF THE  
INDUSTRY



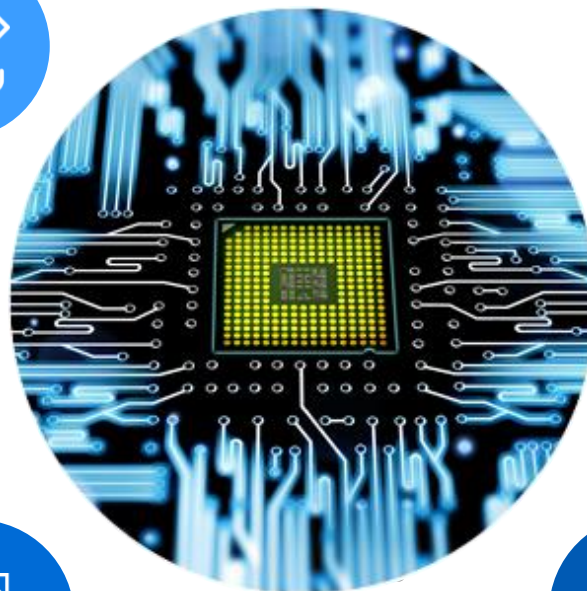
**222**  
COMPANIES IN THE INDUSTRY  
WITH OVER 20+ EMPLOYEES



**8.38 BN €**  
SALES REVENUE OF  
COMPANIES IN THE INDUSTRY

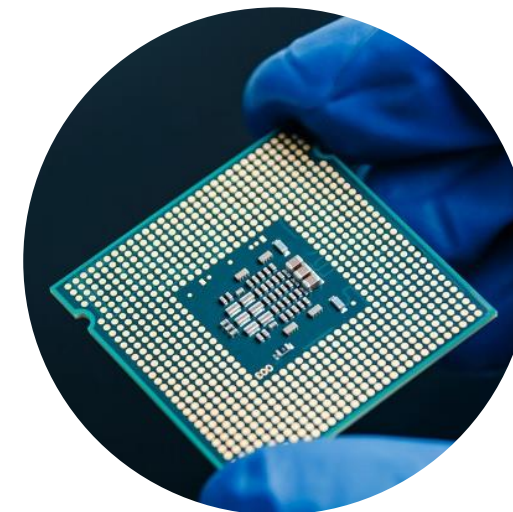


**1,150 €**  
AVERAGE SALARY IN THE  
INDUSTRY



## SLOVAKIA DEVELOPS EU'S CUTTING-EDGE MICROELECTRONICS THROUGH IPCEI

**IMPORTANT PROJECT OF COMMON EUROPEAN INTEREST (IPCEI) ON MICROELECTRONICS** ALLOW EU MEMBER STATES TO JOINTLY SUPPORT TRANSNATIONAL COOPERATION PROJECTS WITH MAJOR SYNERGIES IN **MICROELECTRONICS**. SHOWING STRONG SUPPORT FOR THE FIELD AS WELL AS ITS MATURITY, **SLOVAKIA HAS RECENTLY NOMINATED 5 PROJECTS TO BE FUNDED:**



**POWERTEC** - Research, design and implementation of a production method of new organic semiconductors sensors



**CONTINIUM TECHNOLOGIES** - Development of a chip-integrated wireless receiver for 5B base stations (BTS)



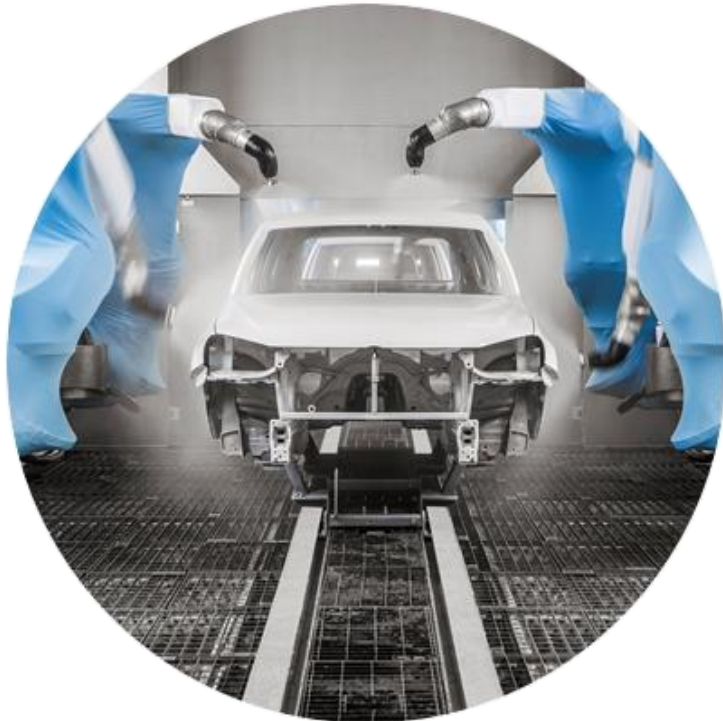
**TACHYUM** - Accelerating Prodigy2, an EU processor



**BIZZCOM** - Neuromorphic based embedded cybersecurity



**SEMIKRON** - Innovative and advanced power electronic components



# AUTOMOTIVE INDUSTRY

## CENTERED IN THE INDUSTRIAL HEART OF EUROPE

298

NUMBER OF AUTOMOBILE ASSEMBLY AND  
ENGINE PRODUCTION PLANTS IN EUROPE  
(2019)

18.5  
mil.

MORE THAN 18.5 MILLION VEHICLES WERE  
PRODUCED IN 2019

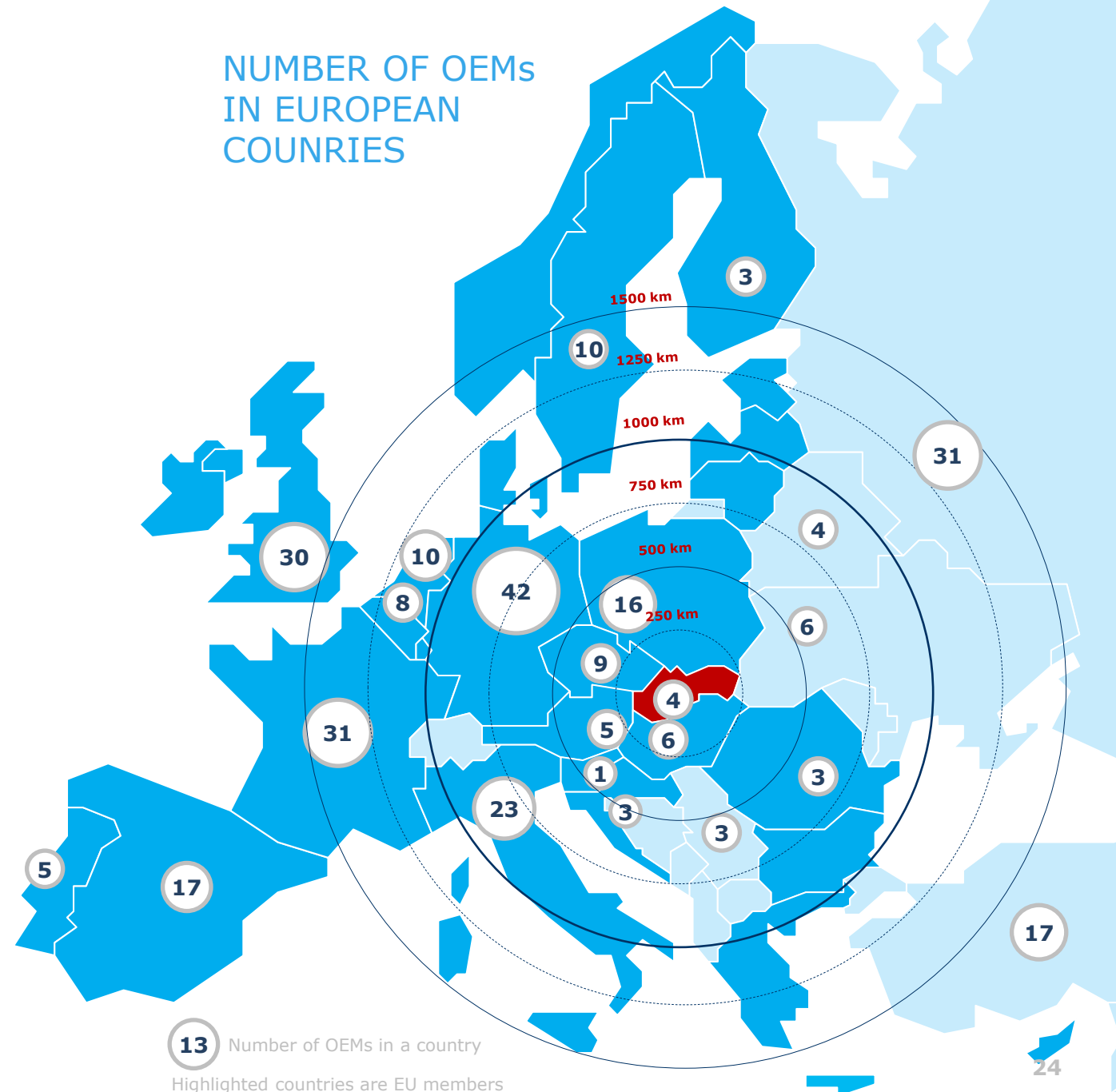
3.7  
mil.

IN 2017 THE AUTOMOTIVE MANUFACTURING  
DIRECTLY AND INDIRECTLY EMPLOYED  
MORE THAN 3.5 MILLION PEOPLE

312  
mil.

MILLION VEHICLES IN USE ACCROSS EU28  
(2019)

## NUMBER OF OEMs IN EUROPEAN COUNTRIES





## PRESENT: 9 (CONFIRMED) BRANDS PRODUCED IN SLOVAKIA



**VOLKSWAGEN GROUP**  
Germany | 1991 | Bratislava

STELLANTIS



**STELLANTIS**  
France | 2003 | Trnava

KIA



**KIA MOTORS**  
South Korea | 2004 | Žilina



**JAGUAR LAND ROVER**  
United Kingdom | SOP 2018 | Nitra

The only plant  
in the world  
producing 5  
brands under  
one roof

**VOLKSWAGEN** Touareg,  
**AUDI** Q7 & Q8  
**PORSCHE** Cayenne  
**SKODA** Karoq  
**VOLKSWAGEN** up!  
**SKODA** Citigo  
**SEAT** Mii

The most  
profitable plant of  
PSA in the world  
with the most  
silent press  
room

New **PEUGEOT** 208  
**CITROËN** C3

The only  
KIA Motors  
plant located in  
Europe

**KIA** cee'd  
**KIA** cee'd Sportswagon  
**KIA** pro\_cee'd  
**KIA** Sportage,  
+ **ENGINE** shop for  
**KIA** and **HYUNDAI**

The most  
sophisticated  
production site of  
the group and 1<sup>st</sup>  
JLR plant outside  
the UK

**LAND ROVER** Discovery  
**LAND ROVER** Defender

**177,000**

People employed  
directly employed by 4  
car producers & Tier 1  
suppliers

**275,000**

Employed directly and  
indirectly by the  
automotive industry

**50%**

Share of the automotive  
industry on total  
industrial production

**4 & 13**  
**E-Models**

4 BEV models & 11  
PHEV and MHEV  
models are produced





## ELECTRIC MODELS OF 7 BRANDS PRODUCED IN SLOVAKIA

### BEV



VW E-UP



SEAT E-MII



ŠKODA E-CITIGO



PEUGEOT E-208

### PHEV



VW TOUAREG PHEV



PORSCHE CAYENNE



PORSCHE CAYENNE COUPÉ



KIA XCEED



KIA CEED SPORTWAGON

### MHEV



KIA XCEED, CEED SW, SPORTAGE



CEED, CEED GT, CEED PRO



AUDI Q7



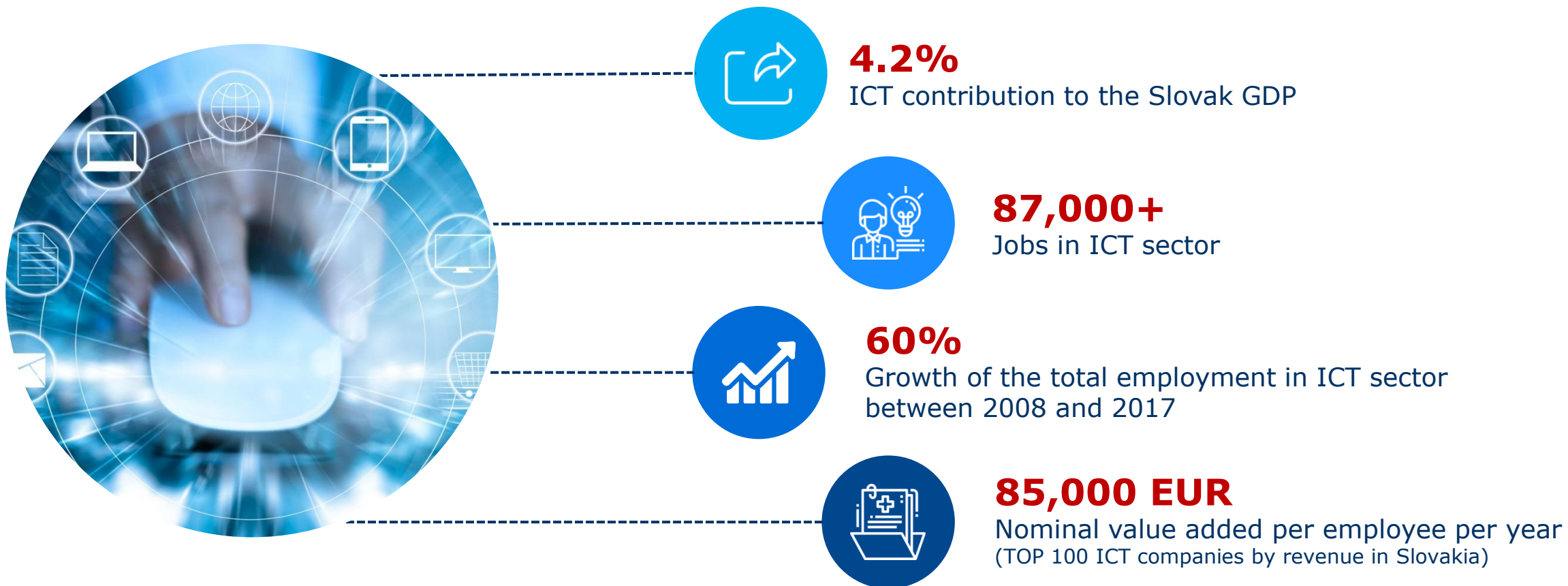
AUDI Q8



# EMERGING SECTORS & NEW POTENTIAL

# INFORMATION & COMMUNICATION TECHNOLOGIES

## KEY FIGURES



## GAME DEVELOPMENT IN SLOVAKIA

**Best Developers** in the world  
based on the World Ranking of countries by IT skills



## WHO WE ARE AND WHAT WE DO?

SARIO  
SLOVAK INVESTMENT AND  
TRADE DEVELOPMENT AGENCY

### OUR MISSIONS



#### 1. INVESTOR SUPPORT

- Investment promotion
- Assistance for potential investors and established companies



#### 2. FOREIGN TRADE SUPPORT

Supporting Slovak companies on the global market



#### 3. INNOVATION SOURCING

Interconnecting Slovak R&D capacities with international companies

# SARIO SLOVAK INVESTMENT AND TRADE DEVELOPMENT AGENCY

## Slovak Investment and Trade Development Agency

Trnavská cesta 100  
821 01 Bratislava, Slovakia

**tel:** +421 2 58260 100

**email:** [invest@sario.sk](mailto:invest@sario.sk)



**SARIO - YOUR  
ONE STOP SHOP  
FOR INVESTMENT  
& TRADE IN  
SLOVAKIA**

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