

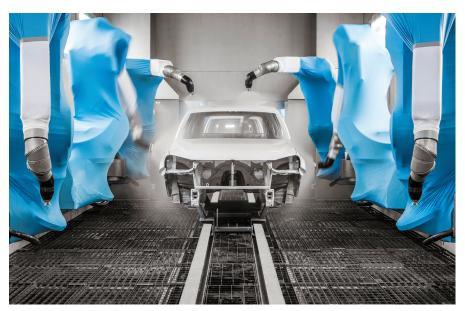


# Automotive Sector in **SLOVAKIA**









## Automotive Sector in Slovakia

This brochure is designed to introduce Slovakia's dynamically growing automotive sector. It outlines basic facts and figures, sector's strengths and vision, in order to illustrate why is Slovakia considered the ideal location for companies from automotive industry.

Edinburgh

London

Paris

Amsterdam

Luxembourg

Bern

Brussels

Dublin

Madrid

TOTAL AREA 49,035 km<sup>2</sup> POPULATION 5.4 million CAPITAL CITY Bratislava MEMBER OF European Union, Eurozone, Schengen Area, OECD, WTO, NATO TIME ZONE GMT +1 hour

300 million clients in the radius of 1,000 km

600 million clients in the radius of 2,000 km

Lisbon

Sofia

Helsinki

Tallinn

Rig<mark>a</mark>

Kaliningrad

Warsaw

Vilniu<mark>s</mark>

Minsk

Kiev

Chisinau

Bucharest

Moscow

Oslo

Copenhag<mark>en</mark>

Berlin

Prague

Ljubljana

Rome

Bratis Vienna

Budapest

Sarajevo

Belgrade

Skopje

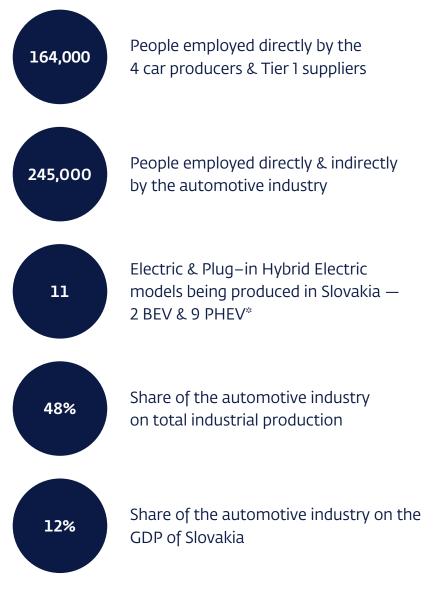
Igorica

Tirana

Stockhol

## Overview of the Automotive Industry In Slovakia

The automotive industry has a strong tradition in Slovakia and became the most important sector and driving force of the Slovak economy. Over the past 20 years it has been an important source of foreign direct investment as well as industrial innovation.



\*Note: PHEV: Plug-In Hybrid Electric Vehicle, BEV: Battery Electric Vehicle; Source: SARIO, Financial statements of the respective car producers (2021); Automotive Industry Association of the Slovak Republic ZAP SR (2021); Automobile Industry Pocket Guide 2020—2021



#### Top 10 Reasons to Invest in Automotive Industry in Slovakia



3

High potential for e-mobility

4

Political & economic stability & attractive investment incentives

Euro currency as one of a few in CEE

CEE leader in labour productivity

Cost effective, skilled & educated labour force

Numerous technical schools & implementation of dual education scheme

9 Developed and steadily growing R&D centers & innovation network



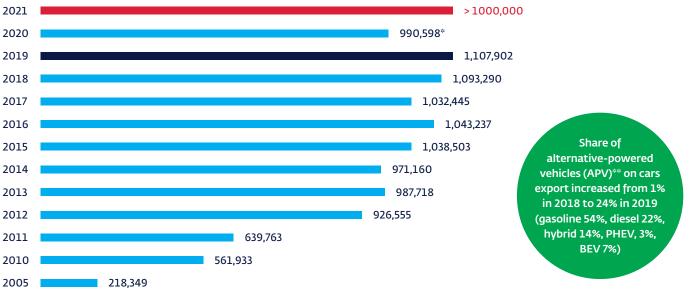
Well-developed infrastructure

## Growing Car Production

Slovakia can be considered as one of the key players of the global automotive industry. Its position has been further strenghtened by the world class facility of Jaguar Land Rover, which started its production in 2018.



## **Car Production in Slovakia**



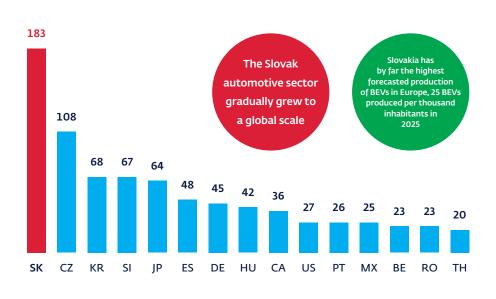
\*Decrease of production in 2020 was caused by global pandemic.

Source: SARIO, Financial Statements of the Respective car producers (2021), Automotive Industry Association of the Slovak Republic ZAP SR (2021)

#### Leader in World Car Production Per Capita

With 183 car produced per 1,000 inhabitans in 2020, Slovakia is by far the global leader in car production per capita.

\*\*APV (Alternative Powered Vehicles) (BEV,PHV,MHEV,PHEV,LPG, NGV, hydrogen etc.) Source: SARIO calculations based on data by International Organization of Motor Vehicle Manufacturers (OICA), The World Bank, Automotive Industry Association of the Slovak Republic (ZAP SR) (2021), European Federation for Transport and Environment AISBL (2019), Trend (2020)



## **Car Producers in Slovakia**

#### **VOLKSWAGEN SLOVAKIA**

Year of establishment: 1991 Production (2020): 309,348 vehicles Turnover (2020): € 9.8 bn Number of employees (2020): 11,500 Models: Škoda Karoq, Audi Q7, Audi Q8, Porsche Cayenne, Porsche Cayene Coupé, Volkswagen Touareg, Volkswagen up!, Škoda Citigo, Seat Mii, (next generation of Škoda Superb and Volkswagen Passat planned)



#### The highest increase of efficiency within the VW Group consecutively in 2019 and 2020

Factory of the Year 2020 - the overall winner of one of the most prestigious industrial competitions in Europe



production

#### KIA SLOVAKIA

Year of establishment: 2004 Production (2020): 268,200 vehicles Turnover (2020): € 4.6 bn Number of employees (2020): 3,469 Models: Kia Ceed, Kia Ceed Sportswagon, Kia ProCeed, Kia XCeed, Kia Sportage

#### **STELLANTIS SLOVAKIA**

Year of establishment: 2003 Production (2020): 338,050 vehicles Turnover (2020): € 3.4 bn Number of employees (2020): 4,386 Models: Citroën C3, Peugeot 208 manufacturer with its own applied engineering centre and exclusive production of EV model

Car

#### Plant with the most silent press shop in Groupe PSA

STELLANTIS

All 4 carmakers are planning to produce EVs at large scale in 2025



Source: SARIO; Respective Car Producers (2021), All images used are for illustrative purposes only.

#### JAGUAR LAND ROVER SLOVAKIA

Year of establishment: 2015 Production capacity: 150,000 Turnover (2019): € 0.3 bn Number of employees (2020): 3,393 Models: Land Rover Discovery, Land Rover Defender 90, Land Rover Defender 110, Land Rover Defender 130





## **E-Mobility Sector in Slovakia**



ELECTRIC MOTORS & COMPONENTS BSH Drives and Pumps, Eiben, Elektrokarbon, Sisme, Slovres, ZF Active Safety, VEM, Mobility & Innovation



CHARGING STATIONS GreenWay Infrastructure, Ejoin



## **īno**Bat

Inobat is an R&D and battery production company with the long-term objective of serving the European market with new energy solutions.



BATTERY/CHARGING COMPONENTS Panasonic, Intercable, InoBat Van Doren Engineers, NES, Voltia Automotive, Webasto Convertibles, Tirn Technology, MACH Trade, InoBat, NEXPLUS



MACHINERY & EQUIPMENT COMPONENTS U.S. Steel, Transmisie Engineering





Producer of bodyworks for midibuses. The product range of completed vehicles for combustion, electric and hydrogen engines.

#### ELECTRIC & PARTLY ELECTRIC MODELS OF 8 BRANDS PRODUCED IN SLOVAKIA

BEV



Volkswagen e-up!



Peugeot e-208



Volkswagen Touareg eHybrid



Porsche Cayenne E-Hybrid



Porsche Cayenne Coupé E-Hybrid



Audi Q7 TFSI e



Audi Q8 TFSI e

PHEV



Land Rover Defender 110 P400e



Kia Ceed Sportswagon Plug-in Hybrid



Kia XCeed Plug-in Hybrid



Kia Sportage Plug-in Hybrid

Source: Web pages of respective companies (2021)

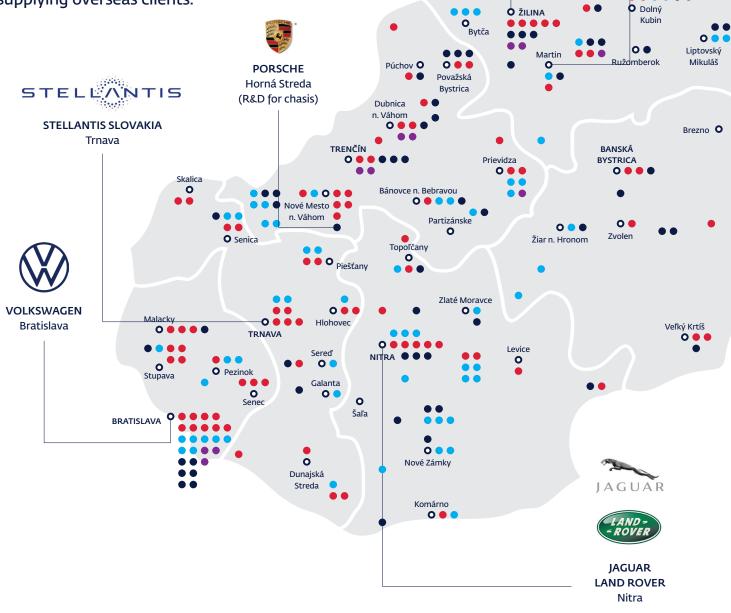
## The Largest Suppliers in the Automotive Sector

<b>COMPANY NAME</b>	COUNTRY	LOCATION	SALES REVENUE 2020 (EUR)	EMPLOYEES 2020
Mobis Slovakia	South Korea	Gbeľany	1,226,147,000	2,035
Continental Matador Rubber	Germany	Púchov	902,195,000	3,171
SAS Automotive	Germany (France)	Bratislava	835,589,768	558
Faurecia Automotive Slovakia	France	Bratislava, Hlohovec, Košice, Lozorno, Trnava, Žilina	834,663,000	2,616
Continental Matador Truck Tires	Germany	Púchov	514,422,000	1,568
Schaeffler Kysuce	Germany	Kysucké Nové Mesto	509,153,000	4,425
ZF Slovakia	Germany	Trnava, Levice, Komárno, Šahy, Detva	446,545,000	3 284
Hanon Systems Slovakia	South Korea	Ilava	391,235,000	847
Schaeffler Skalica	Germany	Skalica	389,694,000	4,159
Yura Corporation Slovakia	South Korea	Lednické Rovne, Hnúšťa, Hlohovec, Topoľčany, Prievidza, Rimavská Sobota	346,472,003	1,572
Lear Corporation Seating Slovakia	USA	Prešov, Voderady	311,459,153	1,659
Adient Slovakia	USA	Bratislava, Trenčín, Žilina, Lučenec, Martin	299,700,000	2,420
Plastic Omnium Auto Inergy Slovakia	France	Prešov	278,626,000	271
Panasonic Industrial Devices Slovakia	Japan	Trstená	268,803,847	1,897
Bekaert Hlohovec*	Belgium	Hlohovec	260,579,000	2,319
Continental Automotive Systems Slovakia	Germany	Zvolen	259,345,000	1,121
HELLA Slovakia Lighting*	Germany (France)	Kočovce	250,424 000	2,018
ZKW Slovakia	Austria (South Korea)	Krušovce	226,262,000	2,258
Visteon Electronics Slovakia	USA	Námestovo	221,400,718	588
Brose Prievidza	Germany	Prievidza, Lozorno	210,521,758	1,111
Sungwoo Hitech Slovakia	South Korea	Žilina	196,564,853	427
HBPO Slovakia	Germany	Lozorno	194,709,201	209
LEONI Slovakia	Germany (USA)	Trenčín, Trenčianská Teplá	181,971,533	2,259
Marelli Kechnec Slovakia	Italy	Kechnec	174,749,000	588
Vertiv Slovakia	USA	Nové Mesto n. Váhom	173,427,603	1,126
Matador Automotive Vráble	Slovakia/Portugal	Vráble	172,130,000	1,334
Yanfeng International Automotive Technology*	China/USA	Bratislava, Námestovo	171,174,812	1,285
Magna PT	Germany	Kechnec	164,300,241	719
Golde Lozorno	Spain	Lozorno	145,118,097	751
Hyundai Steel Slovakia	South Korea	Gbeľany	136,856,225	62
Boge Elastmetall Slovakia	China	Trnava	125,374,526	789
Hyundai Transys Slovakia	South Korea	Žilina	125,136,751	304
Iljin Slovakia	South Korea	Pravenec	123,280,973	255
Grupo Antolin Bratislava	Spain	Bratislava	122,539,524	412

Source: SARIO, Finstat (2021); Note:\* Data for 2019

## Automotive Suppliers in **SLOVAKIA**

Apart from the four operating carmakers, the Slovak automotive industry is also defined by its well developed and high quality supplier network. As Slovakia is well located within the European automotive production hub, Tier 1—2 suppliers can also benefit from a wider regional market. Given its favourable conditions, numerous companies have also chosen Slovakia for supplying overseas clients.



Source: SARIO analysis, Online Matchmaking Fair For Automotive Slovakia (OKBA, 2021), FinStat (2021) Note: Map displays suppliers with turnover over 1. mil. EUR.

VOLKSWAGEN Martin (gearboxes & e-mobility components)

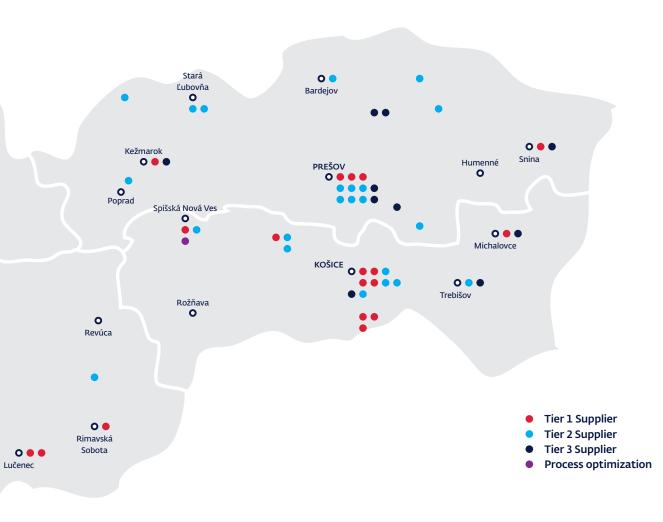
KIA SLOVAKIA Žilina

Ča



#### 350+ AUTOMOTIVE SUPPLIERS

More than 350 automotive suppliers are operating in Slovakia. While Western Slovakia still tends to offer numerous benefits to incoming investors, we are experiencing and further expecting an even quicker growth of FDI in the Central and Eastern part of the country.



#### DIVERSIFICATION POSSIBILITIES FOR SUPPLIERS

In spite of the dominant position of the automotive industry, suppliers based in Slovakia tend to diversify their client portfolio by producing for different segments.



Plastics & Chemical Industry



Iron & Steel Industry



& Electrical Components Industry



Aluminium Industry



Machinery & Equipment Industry



Textile Industry



Composite Materials



Design Engineering

## Overview of Major Tier 1-3 Suppliers in the Slovak Automotive Industry

TEXTILE, COVERS, LEATHER

Treves, Trim Leader

MIRRORS Magna Slovteca

Eissmann Automotive, ADTOOL, HOWE,

IAC Group, Jobelsa, Automotive group SK,

#### INTERIOR MODULES, DASHBOARDS

Daejung, Faurecia Automotive, Eurostyle Systems, IAC Group, LPH Vranov, Synthotec, Lear Corporation, SAS Automotive, Grupo Antolin, Treves, Eissmann Automotive, CRW, Bourbon Automotive Plastics, Marelli, Mobis, Yanfeng International Automotive Technology, Dongwon, Fremach Trnava, Jobelsa, NP Slovakia, Röchling Automotive, SMRC Automotive Solutions, SEOYON E-HWA Automotive

#### WIRING HARNESSES & ELECTRONIC COMPONENTS

Leoni, SE Bordnetze, Calearo, Kromberg & Schubert, JOHRAmont, mkem, SIIX EMS, Služba Nitra, MTA, CEMM THOME, Prysmian Kablo, Repro Elektronik, TESLA Stropkov, Klauke, Geba Cables and Wires, Cable Connect, Elektroconnect, NP Slovakia, Vertiv, Yura Corporation, Prettl Electrical Systems Potvorice, KE Prešov Elektrik, CRT Electronic, Panasonic Industrial Devices

#### AIR-CONDITIONING

Hanon Systems, Mahle Behr, Nissens Cooling Solutions, Daejung Europe

**MODUL FRONT END** HBPO, Mobis, Faurecia Automotive

#### SHOCK ABSORBERS

Plastic Omnium Auto Exteriors, Mobis, Rehau, Matador, ZF, BOGE Elastmetall, ContiTech Vibration Control, MOPS Press, Tristone Flowtech, Craemer Slovakia, Garay

#### **ENGINE, ENGINE PARTS & COMPONENTS**

Mobis, Pankl Automotive, Miba Sinter, Nemak, Magna PT, MAR SK, Hriňovské strojárne, ZF, Marelli, Europalt, Miba Steeltec, ZWL, HUHN PressTech, Plastic Omnium, Nissens Cooling Solutions, GeWiS, Panasonic Industrial Devices, Garrett Motion, Booster Precision Components, Mahle Engine Components, STREIT Trnava

#### SPRINGS

C.E.P. Scherdel Pružiny, PFS, Subtil, ContiTech Vibration Control, RIBE

#### BEARINGS

Kinex Bearings, Omnia KLF, GGB, Danex, Schaeffler, Mahle Behr, ZVL Auto, GGB Slovakia, Iljin, Thyssenkrupp Rothe Erde

#### **EXTERIOR & INTERIOR LIGHTS**

OSRAM, SEC, CEMM THOME, HELLA Slovakia Lighting, Clamason, Služba Nitra, ZKW, Hella Innenleuchten - Systeme

#### SEATS

Adient, Faurecia Automotive, Lear Corporation, Yanfeng Slovakia Automotive Interior Systems CABRIO SYSTEMS Webasto Convertibles Slovakia, Donghee, Inalfa Roof Systems, Golde Lozorno

#### SAFETY EQUIPMENT

Garay, Belt & Buckle, IEE Sensing, Gnotec Čadca, Cavo Automotive

ANTENNAS 2J Holding (Antennas)

#### MODUL REAR END Mobis, Handtmann

#### FUEL TANKS & SYSTEMS

Plastic Omnium Auto Inergy, Donghee, Martinrea Slovakia Fluid Systems, Nobel Automotive, Coavis, Oerlikon Balzers Coating, Hyundam, Clamason, Reutter SK

#### STAMPING

ArcelorMittal Gonvarri SSC, Autotest Bratislava, Benteler Automotive, Matador, Švec a Spol, Donghee, Snop Automotive, Bekaert Hlohovec, Sungwoo Hitech, Farguell Nitra, Gestamp, G-TEKT, LKW Komponenten

#### **EXHAUST SYSTEMS**

TAJCO, SEJONG, Faurecia Automotive, Matador Automotive, Liaz

#### **PLASTIC COMPONENTS**

POLYTEC Composites, FREMACH TRNAVA, THERMOPLASTIK, Nobel Automotive, Bourbon Automotive Plastics Nitra, Rehau, Sisecam Automotive, K-plast, MTA, Steep Plast, Polytec Composites, Versaco, Röchling Automotive, Tristone Flowtech, NP SLOVAKIA, Aspel Slovakia, KB Components DKI, Seoyon E-HWA Automotive, Eurostyle Systems

#### **BRAKES, BRAKE SYSTEMS, DAMPERS**

Fragokov - export, Continental Automotive Systems, EUROPALT, FTE automotive, HUHN PressTech, Nobel Automotive, Ti-Hanil, Mobis, Akebono Brake, KNOTT, PROKEŠ & Co.SK

#### **DOOR SYSTEMS & MODULES**

Brose Prievidza, PHA Slovakia, SEOYON E-HWA AUTOMOTIVE, Bourbon Automotive Plastics Nitra, SEOYON E-HWA AUTOMOTIVE, Slovakian Door Comnapy, U – Shin, DONGWON SK, Faurecia Automotive, GRUPO ANTOLIN

#### SUSPENSIONS

DONGHEE, ILJIN, C.E.P. Scherdel Pružiny, SK - Pružiny PFS, RIBE

#### DRIVELINE COMPONENTS

Küster – automobilová technika, Kongsberg Automotive, Bauer Gear Motor, AVC Raková, Rudolph

#### TYRES, BALANCE WEIGHTS

Continental Matador Rubber, Continental Matador Truck Tires, ROTOBALANCE, Bekaert

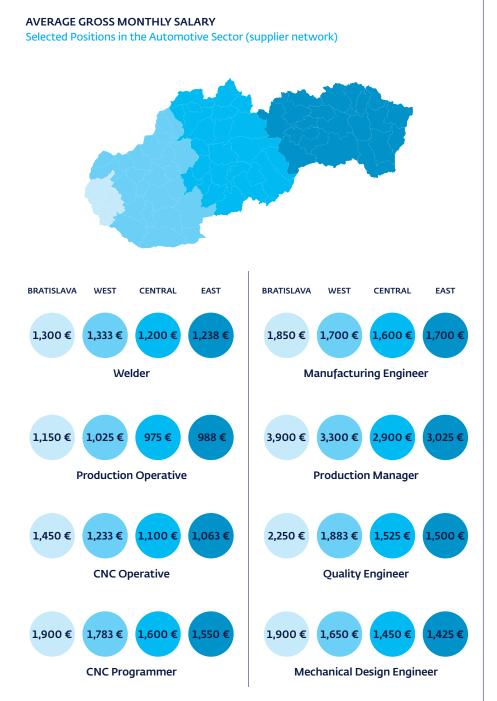
#### SEALS AND SILENTBLOCS & OTHER RUBBER COMPONENTS

CIKAUTXO SK, COBA Automotive, Dongil Rubber Belt, Elastomer Solutions, ELDISY, MIKON, VEGUM, SaarGummi, ContiTech Vibration Control Slovakia, BOGE Elastmetall, Tristone Flowtech, GERGONNE, LANDER Automotive, PPI Adhesive Products

Source: SARIO; Online Matchmaking Fair For Automotive Slovakia (OKBA, 2021); FinStat (2021)

## **Qualified & Productive Labour Force**

Due to high and steadily increasing productivity in the Slovak automotive sector, the production in this industry is not categorized as low cost anymore. Nevertheless, it remains cost-competitive on a regional as well as European level. The Slovak labour force is known for its flexibility, excellent qualification and high productivity.



Note: The employer's compulsory contribution to social and health insurance is not included and represents 35.2% of employee's gross salary. Source: Grafton Recruitment Slovakia, 2020

## Technical Education in Slovakia

Slovak universities with technical background constantly generate significant numbers of engineers suitable for R&D jobs.



#### 7 Technical Universities

**25 & 7** Technical & IT faculties

35,000 Students in technical & IT programmes

> **10,000** Graduates in technical & IT programmes



### 180 Technical Vocational Secondary Schools

**30,000** Students in automotive related technical field

8,800 Graduates in automotive related technical fields

### Existing Dual Education Scheme

Combined theoretical education in schools with practical training in companies

190+ vocational schools already established cooperation with more than 1,070 companies around Slovakia

## Growing R&D & Innovation Network

More and more subcontractors move their R&D divisions to Slovakia due to the growing potential of the Slovak market. The decision to relocate and establish R&D capacities results not only in cost saving, but also contributes to the company's flexibility to become more responsive to the needs of their clients.

## Success Stories in Automotive R&D



SCHAEFFLER R&D centre developing hybrid modules and mechanical components linked to e-mobility



**ZKW** Development of lighting systems



YANFENG AUTOMOTIVE INTERIOR SYSTEMS Engineering centre for interior systems



MINEBEA Micro bearings & actuators



**ZF SLOVAKIA** Development of electric motors for e-mobility



CONTINENTAL AUTOMOTIVE SYSTEMS Development of brake calipers



ADIENT Part of the global R&D network for seat systems



BROSE Mechatronic door & seat components



AeroMobil & AirCar Slovak developers and designers of the most advanced flying cars to-date



Matador Group Slovak Tier 1 automotive stamping supplier, industrial design company, process innovator & automation solution provider



Asseco CEIT University spin off with 200+ employees focusing on process innovation, digital twin solutions and Automated guided vehicles



**C2i** Automotive & aerospace Tier 1 carbon fiber component designer & producer



Werkemotion R&D Studio Slovak independent award winning transportation & industrial design studio

## Investment Incentives

#### MAXIMUM REGIONAL INTENSITIES OF INVESTMENT INCENTIVES IN SLOVAKIA

- additional 10% for medium-sized enterprises
- additional 20% for small and microsized enterprises
- additional 10% for investment projects carried out in regions included in Just Transition Plan

#### INDUSTRIAL PRODUCTION

Minimum conditions (investment amount, number of newly created jobs and share of new technology) are subject to the unemployment rate in the selected district and forms of aid required.

#### If applying for income tax relief, the following criteria have to be met in regards to particular districts category:

- 3 mil. EUR and 60% share of new technology
- 1.5 mil. EUR and 50% share of new technology
- 0.75 mil. EUR and 40% share of new technology
- 0.1 mil. EUR and 30% share of new technology
- Expansion includes minimum increase in the production volume or turnover by at least 5%

Direct forms of aid are also available, different conditions apply.

#### **TECHNOLOGY CENTERS**

- Minimum investment of 100 ths. EUR on fixed assets in all regions
- Minimum of 10 newly created jobs
- Minimum 1.7 fold of average salary in the district paid to new employees

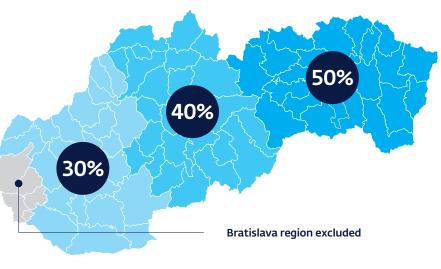
#### SHARED SERVICES CENTERS

- Minimum of 25 newly created jobs
- Min 1.5 fold of average salary in the district paid to new employees

\*In case of Technology centers or Shared Services Centers, conditions differ for projects from 'Priority areas'. Minimum conditions for SMEs are in principle lowered by half. Please contact us at invest@sario.sk for more information.

# to attract projects with higher added value.

The primary goal of the investment incentives is to motivate investors to place their new projects in regions with higher unemployment and



#### ELIGIBLE PROJECTS

The Act on Investment Incentives divides the projects, which may be supported, into four categories:

- Industrial production
- Technology Centers
- Combined Projects of Industrial Production and Technology Center
- Shared Services Centers

#### **ELIGIBLE COSTS**

- Costs of land acquisition
- Costs of buildings acquisition & construction
- Costs of new technological equipment and machinery acquisition
- Intangible long-term assets licences, patents, etc.
- Rent of new land/building or
- Total wage costs of all new employees calculated over a period of 2 years

#### FORMS OF INVESTMENT INCENTIVES

- Corporate income tax relief
- Cash grant
- Contributions for the newly created jobs
- Rent/Sale of real estate for a discounted price

Positive regional contribution of a new investment projects shall be concluded based on these categories — investment location, number of jobs created, average gross monthly salary of new employees, expected added value and possible qualification of a project respecting definition of a priority area.





#### AIM INVESTMENT AWARDS DUBAI 2017

CEE & TURKEY REGION Best Investment Promotion Agency in 2016



# **SARIO** Profile

Slovak Investment & Trade Development Agency (SARIO) is a governmental investment and trade promotion agency of the Slovak Republic. The agency was established in 2001 and it operates under the Slovak Ministry of Economy.

#### **01** INVESTMENT SERVICES

#### FOR POTENTIAL INVESTORS

- investment environment overview
- assistance with investment projects implementation
- starting a business consultancy
- sector and regional analyses
- investment incentives consultancy
- site location & suitable real estate consultancy

#### FOR ESTABLISHED INVESTORS

- identification of local suppliers, service providers
- assistance with expansion preparation and execution
- assistance with Industry 4.0 solutions and R&D implementation

#### 02 FOREIGN TRADE SERVICES

#### **IF YOU ARE LOOKING FOR**

- Slovak supplier or subcontractor
- information about Slovak export/trade environment
- sourcing opportunities
- forming a joint venture, production cooperation or other forms of partnership with a Slovak partner

#### SERVICES FOR EXPORTERS

- information on foreign territories
  - customized search for foreign partners
  - on-line database of business opportunities
- export Training Centre
- subcontracting assistance

#### 03 INNOVATION SOURCING

- matching local tech companies with the operations of large companies that plan to implement innovative solutions to streamline and optimize their processes
- focused mostly on Industry 4.0 solutions such as digitalization, intelligent automation, and robotics as well as advanced and complex IT solutions for various industries
- based on a database of more than 300 local tech companies which is constantly updated and expanded

#### 04 DIVERSIFICATION ACTIVITIES

- aimed at supporting diversification of the Slovak economy towards high-tech areas with significant growth potential
- systematic building of a knowledge base about these sectors with an aim of increasing their visibility and attractiveness for prospective investors
- focused mainly on such sectors as space, aviation, smart & green mobility, medtech, greentech, gaming, smart cities, data centers, and the hydrogen economy

SARIO IS YOUR ONE STOP SHOP FOR INVESTMENT & TRADE IN SLOVAKIA. TALK TO US TODAY!

SARIO | Slovak Investment and Trade Development Agency Mlynské nivy 44/b | 821 09 Bratislava | Slovakia

**Q** GPS +48°08'39.8", +17°08'24.2"

invest@sario.sk | trade@sario.sk | www.sario.sk

Copyright © 2022 SARIO

The information in this publication needs to be in every case double-checked to ensure that it is up to date. Photo sources: Volkswagen Slovakia, Kia Slovensko, Dreamstime.com, 123RF.com