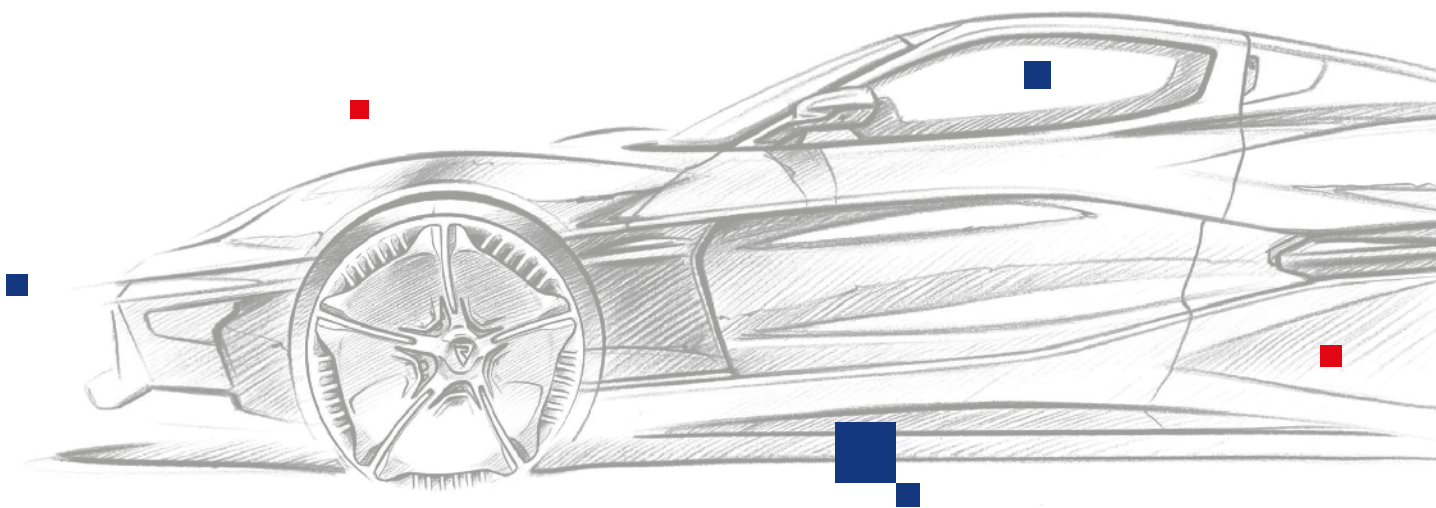


# AUTOMOTIVE INDUSTRY IN CROATIA



**INVEST**  
in Croatia 



REPUBLIC of CROATIA  
Ministry of Economy and  
Sustainable Development

2022



[investcroatia.gov.hr](https://investcroatia.gov.hr)



REPUBLIC of CROATIA  
Ministry of Economy and  
Sustainable Development

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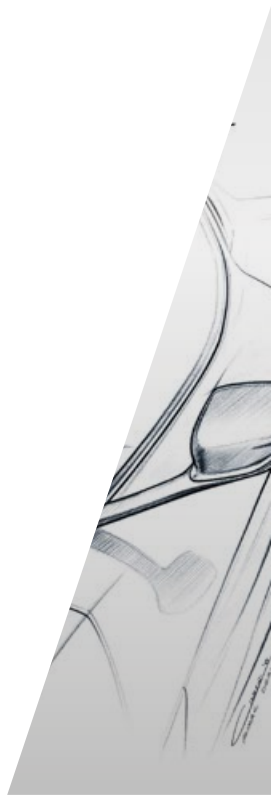
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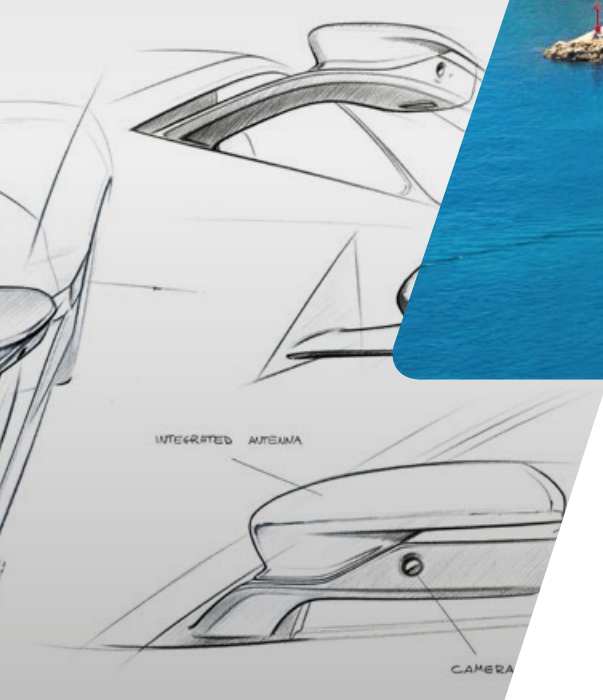


# Introduction

To any investor interested in the automotive industry, Croatia offers a stable business environment, convenient location, competitive entry costs, productive and talented workforce, vibrant entrepreneurial setting and excellent quality of life.







# Stable Business Environment



Croatia - EU member state



## Investment credit rating

- S&P BBB+/A-2 with stable outlook
- FITCH BBB+ with stable outlook
- MOODY'S Baa2 with stable outlook



From 1 January 2023 member of the euro  
and the Schengen areas



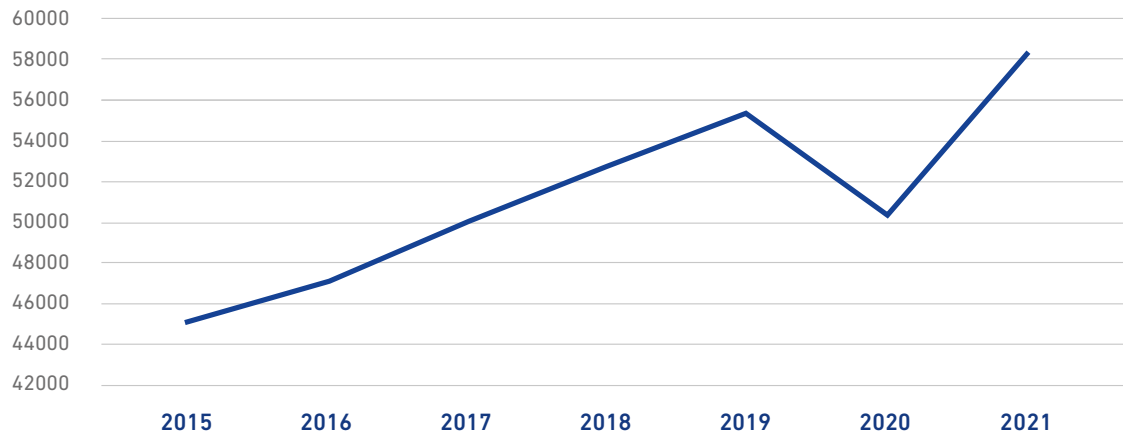


# 2021



GDP growth:	<b>+13.1%</b>
Inflation rate:	<b>2.6%</b>
Unemployment rate:	<b>7.6%</b>
Average gross salary:	EUR <b>1,274</b>

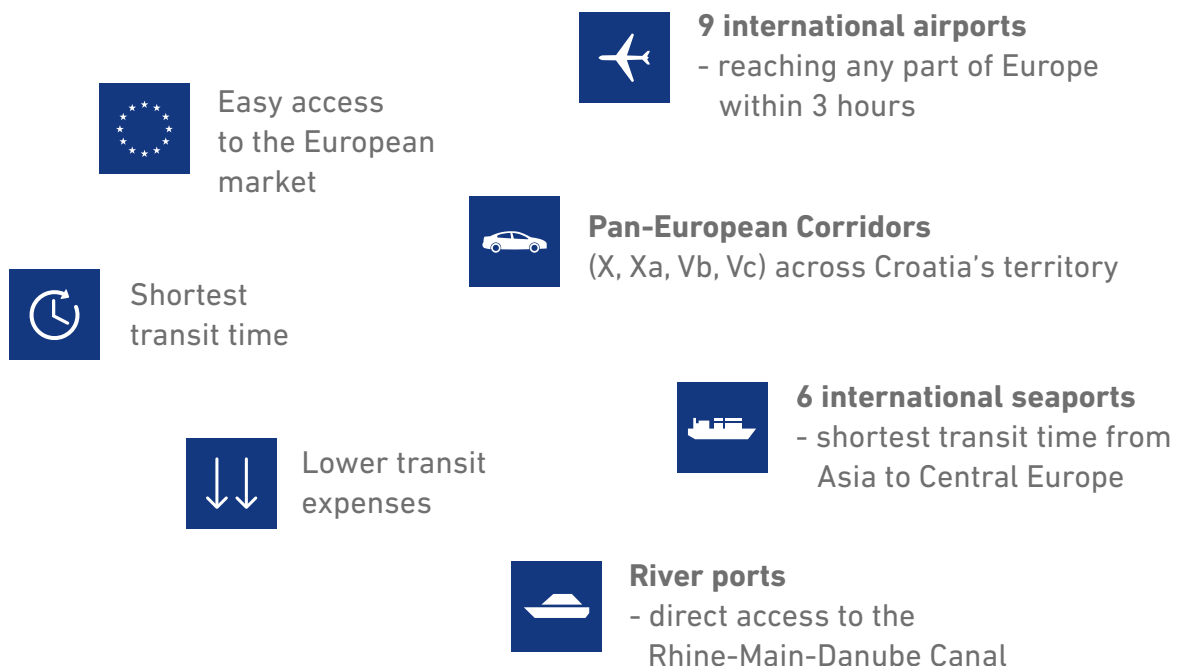
## GDP, CURRENT PRICES, million EUR



Source: Croatian Bureau of Statistics, Croatian National Bank, 2022

# Convenient Location

In terms of position and transport resources, Croatia is exceptionally competitive compared to countries in Central, Eastern and South East Europe. Investors find the country's human capital and production potential a good business proposition, with the ability of easily moving products from Croatia into the European Union and on to the global market. Moreover, Croatia has been an EU member state since July 2013, and is another competitive factor with respect to other countries in the region.





**Excellent road infrastructure -**  
 road infrastructure quality ranked 13th out of 141 countries

Source:  
 World Economic Forum (WEF),  
 The Global Competitiveness  
 report 2019



# Cost Competitiveness

## COMPETITIVE ENTRY COSTS

Cost competitiveness, in terms of investment, energy prices, education and salaries, is a significant advantage that positions Croatia as an excellent location for expanding business, growing market share and improving profitability.



Investment costs are 36% lower than the EU average (Croatia 63.7; EU 100)



Construction costs are two times lower than the EU average (Croatia 50; EU 100)

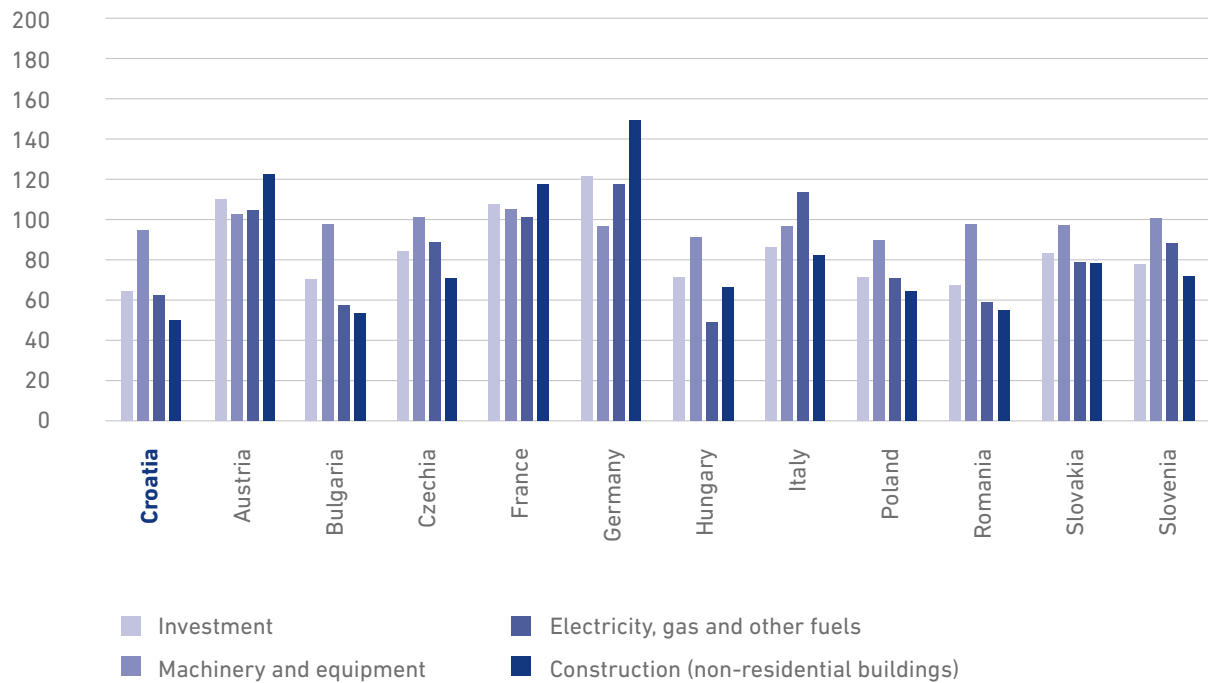


Energy and gas prices are 39% below the EU average (Croatia 60.7; EU 100)





## Price level indices, 2021 (EU 27=100)



Source: Eurostat 2022 for 2021



## Estimated hourly labour costs in 2021



Source: Eurostat 2022 for 2021






## LOCATIONS READY FOR INVESTMENT

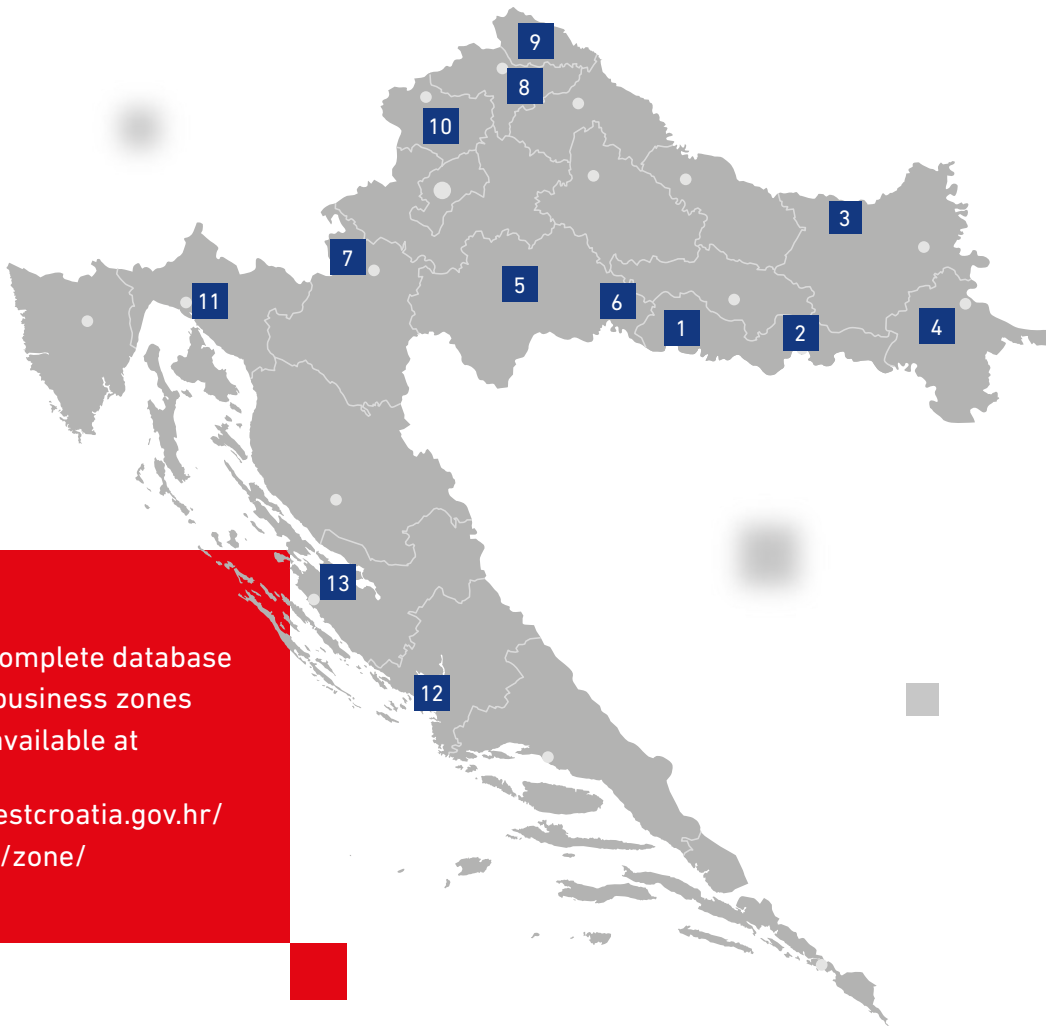
Croatia has more than 100 business zones equipped with electricity, gas, water, sewage infrastructure, ready to receive investment projects.

Land prices in some locations start from just 1 EUR/m<sup>2</sup>

Some of the largest business zones are shown below:

REGION	CITY	BUSINESS ZONE	CAPACITY ha	AVAILABLE ha
<b>Pannonian Croatia</b> 				
1	Nova Gradiška	<b>Nova Gradiška</b>	<b>126.4</b>	<b>58.78</b>
2	Slavonski Brod	<b>Bjeliš – West</b>	<b>23.65</b>	<b>21.88</b>
3	Donji Miholjac	<b>Janjevci</b>	<b>127.43</b>	<b>38.3</b>
4	Vinkovci	<b>Zalužje</b>	<b>188.26</b>	<b>38.93</b>
5	Sisak	<b>South industrial zone</b>	<b>68.03</b>	<b>53.03</b>
6	Novska	<b>Novska</b>	<b>85</b>	<b>60.2</b>
7	Netretić	<b>Maletići</b>	<b>40.92</b>	<b>13.48</b>
<b>Northern Croatia</b> 				
8	Jalžabet	<b>Jalžabet</b>	<b>139.5</b>	<b>84.8</b>
9	Čakovec	<b>Međimurje</b>	<b>46.4</b>	<b>15.6</b>
10	Zabok	<b>Zabok</b>	<b>191.36</b>	<b>90.51</b>
<b>Adriatic Croatia</b> 				
11	Bakar	<b>Kukuljanovo</b>	<b>484.24</b>	<b>271.45</b>
12	Šibenik	<b>Podi</b>	<b>549.18</b>	<b>104.5</b>
13	Poličnik	<b>Murvica South</b>	<b>42.53</b>	<b>35.64</b>

Source: Register of Business Infrastructure, 2022



A complete database  
of business zones  
is available at

[investcroatia.gov.hr/  
/en/zone/](https://investcroatia.gov.hr/en/zone/)

## INCENTIVES

Croatia offers attractive incentives for investment, R&D and employment to interested investors. Access to EU grants are also available.

### INVESTMENT INCENTIVES

Incentives are available for projects in the manufacturing and processing industries, for development and innovation, business support operations and high value-added activities. Incentives can be used by enterprises registered in the Republic of Croatia.

0%

0% corporate income tax - an exemption from or reduction of corporate income tax for up to **10 years**

EUR  
1 million

Up to **EUR 1 million** cash grant for capital investments

EUR  
500,000

Up to **EUR 500,000** cash grant for R&D investments

EUR  
18,000

Up to **EUR 18,000** cash grant for each employee

### R&D INCENTIVES

Research and development assistance is provided by the Ministry of Economy and Sustainable Development. Beneficiaries may be legal or natural persons, corporate or personal income taxpayers involved in basic research, industrial research and experimental development or feasibility studies for R&D projects.



State aid for R&D consists of tax relief (reduced income tax base) as follows:

	Amount of state aid	Maximum total amount*
Basic research	up to EUR <b>300,000</b>	up to EUR <b>40 million</b>
Industrial research	up to EUR <b>200,000</b>	up to EUR <b>20 million</b>
Experimental development	up to EUR <b>100,000</b>	up to EUR <b>15 million</b>
Feasibility studies in the preparation of research activities	up to EUR <b>50,000</b>	up to EUR <b>7.5 million</b>

*\*The total amounts may increase if more than 50% of the cost of research conducted on the basis of contracts, know-how and patents obtained or licenced by other parties at market conditions as well as costs of consultancy and other types of services acquired solely for the project are contracted by the enterprise with organisations involved in research and dissemination of knowledge.*



In addition to national measures, EU grants play a vital role in stimulating entrepreneurial activities as well as encouraging innovations and new product development, which will also be facilitated by the new EU Multiannual Financial Framework.

# Highly Trained Human Capital

Numerous multinational companies and car manufacturers have outsourced parts and components to manufacturers in Croatia. Their decision to do so shows that Croatia has an experienced, trained, cost-effective and competitive labour force possessing the necessary know-how and skills. All of these factors result in sophisticated final products.



Cost competitiveness – average personnel costs per employee in manufacturing motor vehicles, trailers and semi-trailers in Croatia are lower than in other EU countries, such as in Poland, Hungary, Czech Republic, Slovakia and Slovenia



An existing tradition in technical sciences and sectors in the automotive industry, such as metal production, welding, production of plastics and engineering in general

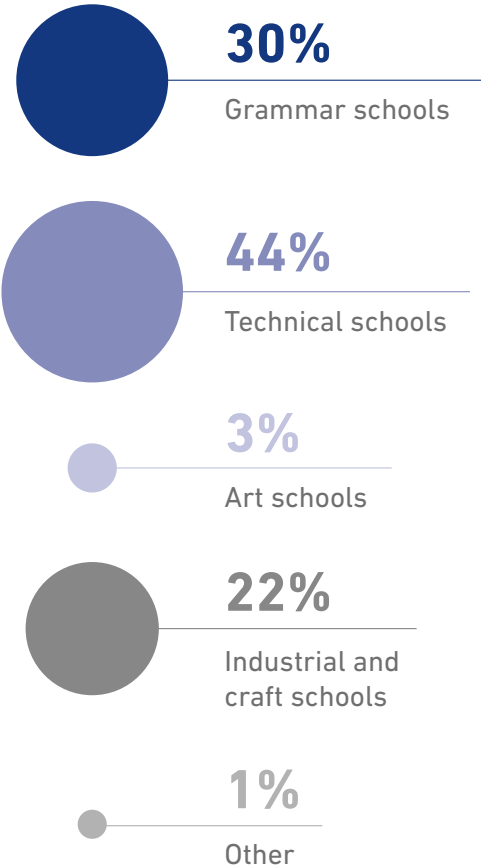


# EDUCATION

At the end of the 2020/2021 school year, there were 438 secondary schools in Croatia, including 742 school units of various kinds, depending on the school plan and program.

In that same school year approx. 36,800 students graduated from secondary schools, of which approx. 24,250 graduated from technical and industrial (vocational) schools.

## SECONDARY EDUCATION - TOTAL GRADUATED IN 2020/2021



Approx. 33,500 students graduated in the 2020/2021 academic year, of which 26% graduated in the field of engineering.

### ZAGREB:

- Faculty of Electrical Engineering and Computing
- Faculty of Transport and Traffic Sciences
- Faculty of Mechanical Engineering and Naval Architecture
- Algebra University College
- University of Applied Sciences

### VARAŽDIN:

- University North

### BJELOVAR:

- Bjelovar University of Applied Sciences

### OSIJEK:

- Faculty of Electrical Engineering, Computer Science and Information Technology

### RIJEKA:

- Faculty of Engineering
- Polytechnic of Rijeka

### SISAK:

- Faculty of Metallurgy

### SLAVONSKI BROD:

- Mechanical Engineering Faculty
- University of Slavonski Brod - Technical Department

### PULA:

- Faculty of Engineering
- Istrian University of Applied Sciences

### KARLOVAC:

- Karlovac University of Applied Sciences

### SPLIT:

- Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture



Source: Croatian Bureau of Statistics





## **MASTER'S/GRADUATE STUDY PROGRAMME AUTOMOTIVE COMPUTING AND COMMUNICATIONS**

Automotive Computing and Communications - AUTO COM began in 2017 at the Faculty of Electrical Engineering, Computer Science and Information Technology Osijek and is carried out completely in English

In order to provide students with knowledge and skills required to succeed on the global market, the AUTOCOM study programme is developed in cooperation with the following partner companies: AVL AST, GlobalLogic, Institut RT-RK, Rimac Automobili, Xylon, Yazaki.

AUTOCOM provides the opportunity to specialize in the field of designing, implementing and testing software and computer systems in the automotive industry. After acquiring basic knowledge in the field of advanced programming and embedded computing systems, this graduate study provides students specific knowledge related to communication networks and car protocols, design and testing of software support in security-critical management systems (eg, autonomous vehicle) and security of vehicle information systems. Additional specific knowledge is gained through the power supply and vehicle systems, application of power electronics in the vehicle, digital image and video processing and in the field of machine learning in systems of autonomous and networked vehicles.



The University of Zagreb is ranked in the top 500 universities in the world.

Source: Shanghai Ranking: 2022 Academic Ranking of World Universities

## PROFICIENCY IN FOREIGN LANGUAGES



Pupils enrolled in secondary schools learn anywhere from one to three foreign languages, with at least one foreign language compulsory for all pupils.



In all, 95% of the population in Croatia aged 16-55 has at least a basic proficiency of the English language, 49% have a basic proficiency of German, 22% of Italian, 11% of Spanish language and 6% of the French language.



In the 2020/2021 school year, 93% of pupils studied English, 34.3% studied German, 12.9% studied Italian and 3.6% studied French.



**Croatia is ranked 11<sup>th</sup> out of 111 countries in the world** in terms of very high proficiency in the English language.

Source: Croatian Bureau of Statistics, published in 2022 for the year 2020/2021; Foreign Language Knowledge Survey conducted by the Henda Market Research Agency, 2019; Education First, 2022

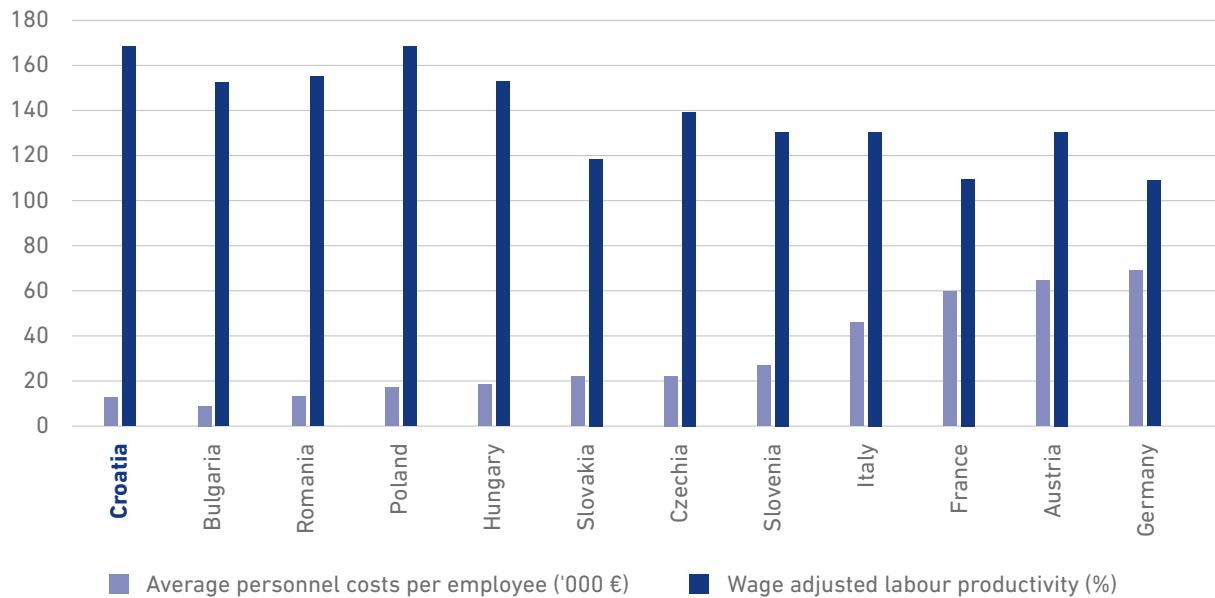


## PERSONNEL COSTS

Average monthly gross salary per employee in the automotive industry in 2021 was EUR 1.076, meaning that the Croatian force is highly cost competitive.



## Manufacture of parts and accessories for motor vehicles



Source: Croatian Bureau of Statistics, published in 2022 for 2021; Eurostat, 2022 for 2020

# Vibrant Entrepreneurial Setting

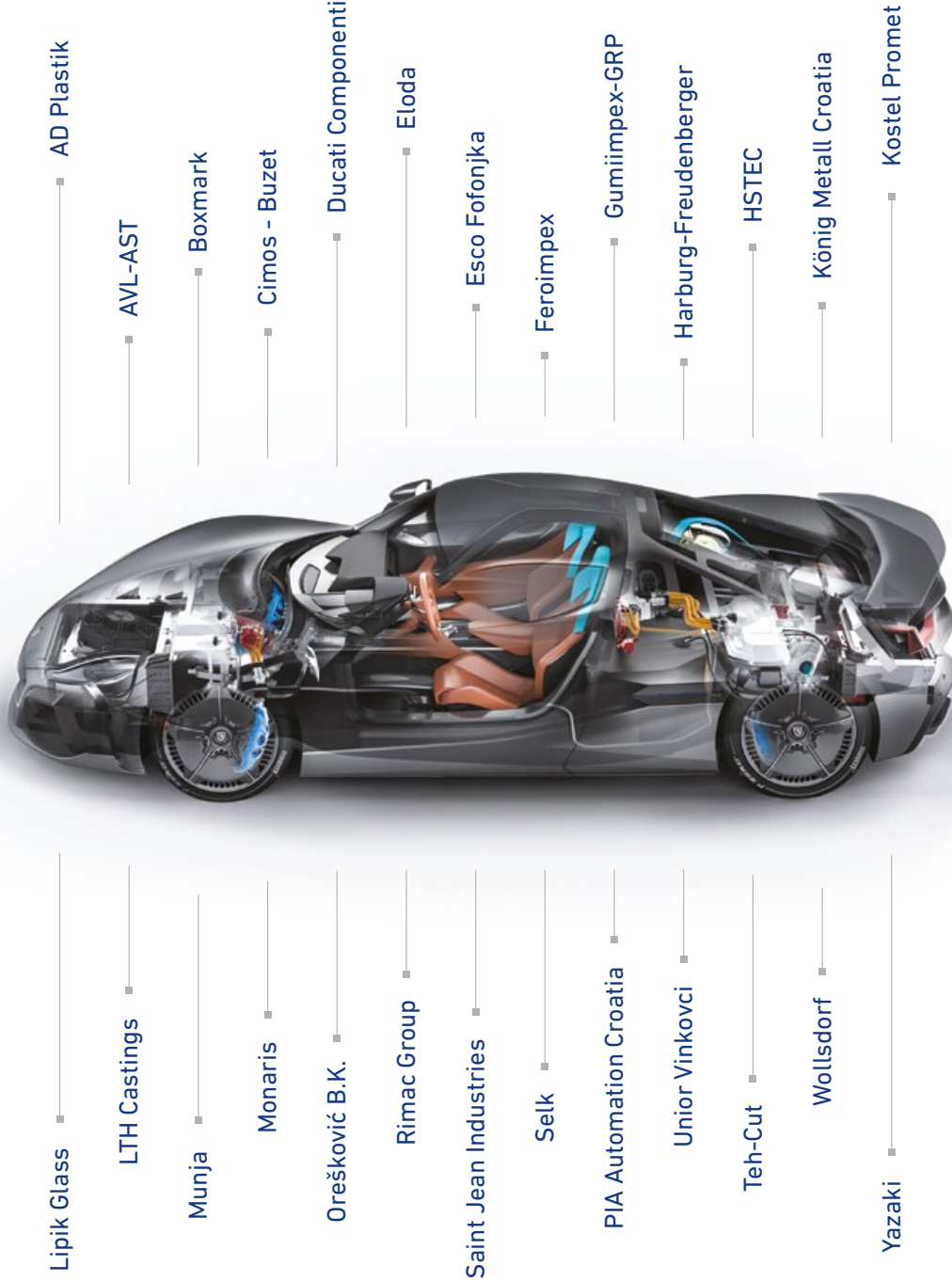
Growth of the Croatian automotive industry is based on a long tradition across related sectors such as metal production, welding, plastics, manufacturing, engineering and IT.

More than **140 companies** are actively operating in the Croatian automotive sector, employing **around 2,350 people** and the industry is mostly export-oriented, supplying OESs (Original Equipment Suppliers) and OEMs (Original Equipment Manufacturers) such as PSA, GM, Aston Martin, Ferrari, McLaren, Lamborghini, Bentley, Fiat, BMW, Audi, Ford, Renault, Toyota, Volvo, Nissan, Dacia, Mitsubishi, VW, Škoda, Opel, Daimler, Suzuki, Maserati.





# BASE OF QUALITY SUPPLIERS



**COMPANY****PRODUCTS****REFERENCES/CLIENTS****AD Plastik**

Interior and exterior car components  
instrument panel, door panel, sunvisor, grab  
handle, central console, headliner console,  
pillars, multimedia cover, carpets, parcel shelf,  
bumper, bumper extender, upper and lower  
grille, hood, fender, roof spoiler, deflector,  
diffuser, underbody covers, wheel arch  
housing, sealing systems etc.

Renault Group, Stellantis (PSA  
Group, FCA Group), Daimler Group,  
Volkswagen Group, BMW Group,  
Nissan, Mitsubishi, AvtoVAZ, Ford,  
Suzuki, Toyota, Volvo

**AVL-AST**

Developing, simulating and testing powertrain  
systems; ADAS/AD and data intelligence

Many automotive companies  
worldwide

**Boxmark**

High-end upholstery leather for seats,  
instrument panels (shrink-optimised leather),  
roof lining, headrests, door panels, armrests  
and other components, steering wheels, cut  
leather parts, sewn seat covers and leather  
wrapping of components

AMG, Audi, Bentley, BMW, Bugatti,  
MAN, McLaren, Mercedes Benz, Opel,  
Porsche, Recaro, Seat, Skoda, Smart,  
VW

**Cimos Buzet**

High-quality and complex aluminum key  
components for turbochargers (compressor  
 housings), powertrains (engine and accessory  
 brackets, gearbox parts, steering parts) and  
 broader electrification applications

Audi, Volvo, BMW, Ford, Daimler,  
Lamborghini, Porsche, Bentley, ZF,  
Garrett, BMTS Technology, BWTS

**Ducati Komponenti**

Production of stators, rotors, regulators,  
medium voltage power capacitors, chargers  
for electric vehicles. Production of metal  
parts. Production of electric quadricycles and  
ebike. Cassa – fully automated toll exbooth.  
Landscape – automatic system for reactive  
power compensation. Terna – cabinets for  
control, automation, protection, and monitoring  
system for HV and HHV substations

Rotax, Bombardier, Hatz, Piaggio,  
Technogym, Bergamaschi, SGR,  
Tring, Batis, Končar, Croatian Post,  
Hrvatska elektroprivreda

**COMPANY****PRODUCTS****REFERENCES/CLIENTS****Eloda**

Automotive electrical parts like switches and indicators. Main product groups are pneumatic pressure switches, hydraulic brake light switches, oil pressure switches, push buttons, push-pull and toggle on-off switches, mechanical brake light switches, radiator fan switches, temperature senders, reverse light switches, universal plugs, machining and turning parts

Robert Bosch, Continental Teves, ZF, Hella, Winkler, Valeo, FAE, Herth&Buss, Masats, Procar, Zetor, FTE, Farmtrac, FEP, Klimaoprema, Končar

**Esco Fofonjka**

Parts for starter motors, alternator, air-conditioning compressor, fuel delivery system, switches, bonding pad; various shapes from wire, various shapes from strip, compression springs, tensile springs, power springs, torsion springs, double torsion springs and special shapes from plastic and metal, connected or not connected

MAHLE Group, HANON Systems, LEMAN Industry, CIMOS Group and HPC Witten

**Feroimpex**

Machining: Turning, hard turning, grinding, drilling, sawing, milling, vibratory finishing. Up to Diameter 350mm  
Heat treatment: Trough hardening, carbonitriding, annealing, carburising, bainit hardening etc.  
Products: Special Rings (Bearings), Machined Housings, Gears and Pinions, Tools, Railway Parts

Automotive industry, industry, and railway

**Gumiimpex-GRP**

Pressed rubber based engineered items like Rubber moulded parts – bellows, seals, gaskets, grommets, caps, etc.; Rubber metal and rubber plastic parts – bellows, pistons, bumpers, supports, etc.; and Silicone parts, silicone parts in combination with metal or plastic

Indirectly for Volkswagen, Audi, Daimler Benz

**Harburg-Freudenberger**

Hydraulic presses for automobile tires

Michelin, Pirelli, Good Year, Continental

COMPANY	PRODUCTS	REFERENCES/CLIENTS
<b>Horvind</b>	Casings, housings, bearing boxes packages, fasteners	ZF Friedrichshafen AG, Valeo, Siemens
<b>HSTEC</b>	High-speed motorized spindles, industrial automation and robotics	Porsche, Daimler, Novem (indirectly through the customers)
<b>König Metall Group Croatia</b>	Production of sheet metal parts and pipes using pressing, reshaping, bending, drawing, laser cutting, welding and assembly processes. Also welding of complex assemblies as well as surface protection against corrosion. Development and production of tools for stamping and sheet metal shaping, manufacturing of devices and special products to order using CNC milling, CNC turning, electroerosion, surface grinding, circular grinding and heat treatment. Also performing preventive and corrective maintenance of tools for stamping and sheet metal forming	Daimler, Tenneco, Magna, BMW, Bosch, Boysen
<b>Kostel Promet</b>	Seating system components for vehicles, namely headrests, armrests, bolsters and other textile and leather components incorporated in vehicles	BMW, Citroen, Ford, Jaguar, Kia, Land Rover, Mercedes-Benz, Nissan, Porsche, Toyota, Volvo
<b>Lipik Glas</b>	Windscreens, door glasses, backlights, partitions, engine covers, roof glass, glasses with solar and acoustic control, bullet resistant glass	McLaren Automotive, Aston Martin Lagonda, Automobili Lamborghini, Alpine, Bentley Motors, Lotus, Gordon Murray, Bugatti, Microlino, Automobili Pininfarina, Pagani, Rimac, Audi, Volkswagen, BMW, Toyota, Rolls Royce, Skoda, and many others
<b>LTH Castings</b>	Development and production of aluminium die-cast components - machined, assembled and tested - BEV & HEV powertrain components, Thermal management components, Steering components, Braking system components, Electronic components, ADAS components, ICE powertrain components	Audi, BMW, Bosch, Continental, Hitachi, JTEKT, Kostal, Mercedes-Benz, Nidec MA, Preh, SumiRiko AVS, Valeo-Siemens, Vitesco Technologies, ZF, Zollner

**COMPANY****PRODUCTS****REFERENCES/CLIENTS****Mandeks**

Production of interior and exterior car components. Some of products are handle pin, handle bracket, switch bracket, tow hatch cover, back door garnish

AD Plastik

**Munja**

Starter batteries (36-220 Ah for cars, trucks, tractors, vessels), traction batteries (110-750 Ah for transport vehicles, forklifts, electric trucks), stationary batteries (15-2600 Ah for telecommunications, hospitals), batteries for special purpose (police, army-planes, helicopters, submarines, special requirements)

Starter batteries for Croatian and foreign markets

**Monaris**

All kind of rubber products; sealing, cable ducts, grommets, hoses, air pipes, bumpers, spring pads, damping rubber bearings, water valves, rubber plates, parts for the brake system

Daimler, BMW, Audi, VW, Porsche, Bugatti, Rolls-Royce, Opel

**Orešković B.K.**

Alternator and starter motors for passenger vehicles, commercial vehicles, industrial machinery, ship and military applications

Bosch, Prestolite Electric, Hitachi, Denso, Magneton, Lucas, Magneti Marelli, Mitsubishi Electric, Mobiletron, Wood Auto, Delco Remy, Sawa Fuji

**PIA Automation  
Croatia**

Assembly and testing systems for powertrain components: engines and auxiliary units (e.g. turbochargers, camshafts, torsional dampers, dual mass flywheel, double clutch); dual clutch transmission; transfer case, front and rear axle transmission; differential modules; steering systems.

Assembly and testing systems for e-mobility components: hybrid modules; e-drives and e-axes; rotors and stators; starter generators; battery systems (cylindrical, prismatic, pouch); modules and packs; cell connectors, tempering systems; inverter, booster, BMS

AAM, BMW, BorgWarner, Continental, DAF, Daimler, Delphi, Dräxlmaier, GKN, Linamar, Magna, Preh, Valeo Siemens, VW, ZF



COMPANY	PRODUCTS	REFERENCES/CLIENTS
<b>Rimac Technology</b>	High-performance electric vehicle technology: battery technology, e-axle technology, connectivity	Porsche, Hyundai, Automobili Pininfarina, Koenigsegg, Aston Martin and other automotive manufacturers
<b>Bugatti Rimac</b>	High-performance luxury vehicles	Rimac and Bugatti-branded vehicles
<b>Saint Jean Industries</b>	Aluminium die-cast components for e-powertrain, chassis & suspension in gravity and low pressure casting, machining, assembly and testing processes. Products such as engine mounts, housings, wheel carriers/knuckles, control arms, yokes/damper forks, suspension brackets, subframe nodes, assembled corner modules, etc.	Porsche, Aston Martin, McLaren, Stellantis (both ex-FCA and PSA group), Renault-Nissan, Audi, VW, Mitsubishi, Voith, Project 3 Mobility, ZF Lemforder, DTR, Bosch Mahle Turbo Systems, Honda and other tier 2 suppliers as well as industrial customers
<b>Selk</b>	Production of electronic ceramic components for TDK Electronics	TDK Electronics
<b>Teh-Cut</b>	Special tools for aluminium die casting, polymer injection moulding and composite forming tools	Indirectly for Audi, BMW, Wabco, Daimler, Porsche, Volvo, ZF
<b>Unior Vinkovci</b>	Hot-forged forgings intended for the steering mechanism of cars	Automotive industry of Europe and North America
<b>Wollsdorf</b>	Leather sets for car steering wheels, upholstery, airbag caps	Audi, BMW, DAF, Daimler AG, Ferrari, Ford, GM, Iveco, Jaguar, Lamborghini, Land Rover, Maserati, MAN, McLaren, Nissan, Opel, Peugeot, Porsche, PSA, Rolls Royce, Renault, Seat, Skoda, Tesla, Volvo and VW; Herman Miller, Kapo / Neue Wiener Werkstätte, Joka, Schwaben Leder, Scandinavian Business Seating, Aeroflot, Austrian Airlines, Germanwings, Japan Airlines, Lufthansa, Qantas and Virgin Australia, Emirates Fly

## COMPANY

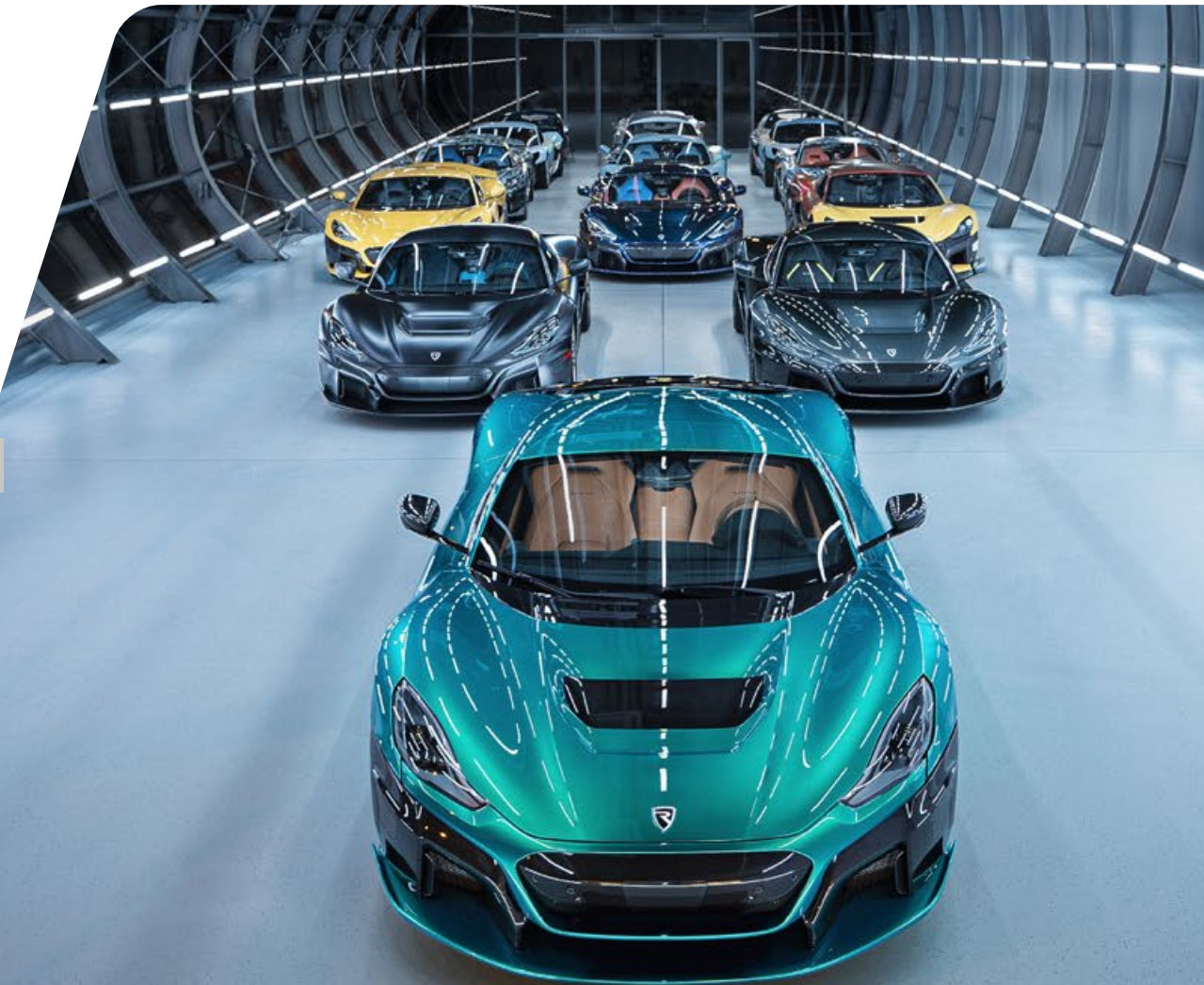
## PRODUCTS

## REFERENCES/CLIENTS

### Yazaki

Design and development, prototype building, testing and validation of various automotive components, including connectors, terminals and headers for low-voltage applications; low voltage and high voltage components, automotive data connections and advanced engineering. All fields of engineering activities such as product engineering, simulation, testing and validation, as well as prototyping

All European OEMs and automotive industry suppliers





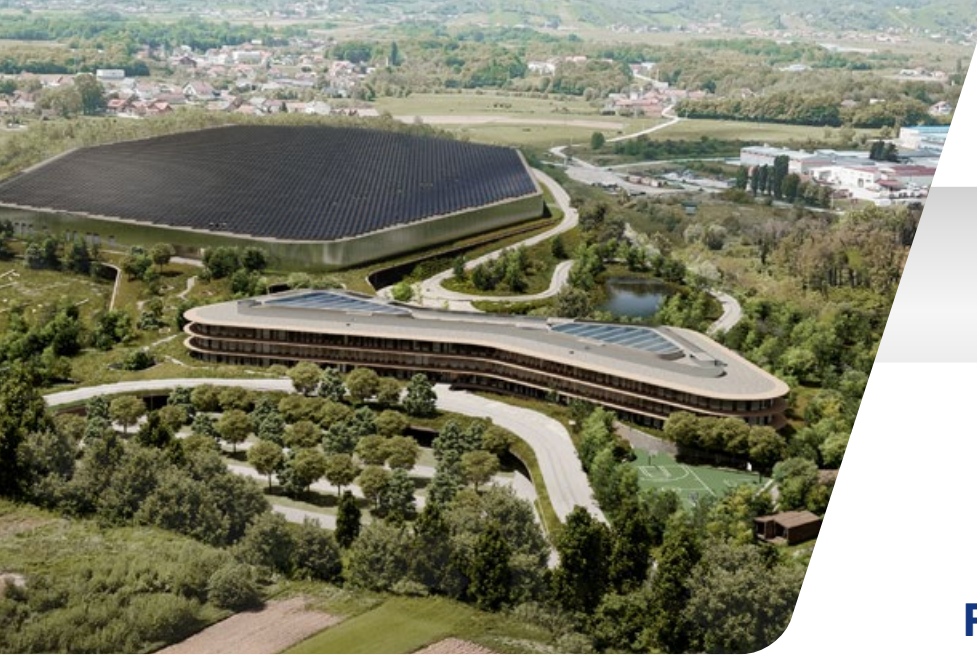


## **INNOVATION, E-MOBILITY AND AUTONOMOUS DRIVING**

In recent years, many new companies have emerged and are involved electro-mobility, engineering and IT technologies in the automotive sector.

Some examples are Rimac Group, Yazaki, INFINUM, Porsche Digital, CETITEC, HSTec, AVL-AST, GlobalLogic, Visage Technologies, TTTech Auto, Amodo, Xylon, Mireo, and Editel Adria.





## RIMAC GROUP

Rimac's short but turbulent 10-year history from a garage start-up to a 1900-people company, started by Mate Rimac – underwent major reorganization in 2021. The Rimac Group, previously known as Rimac Automobili d.o.o., became an umbrella company that incorporates Bugatti Rimac and Rimac Technology business. The Group brings together the most advanced hypercars in the world with a globally renowned team developing high-performance electrification systems for other renowned automotive manufacturers.



**1900** people company based in Zagreb, Croatia



Locations in the UK, Germany, France, and Croatia







## RIMAC TECHNOLOGY

Rimac Technology is focused on engineering, development, production, and supply of high-performance battery systems, electric drive units, electronic systems, control systems and user interface components that Rimac is known for, having established a reputation as a leading provider of advanced performance electrification technologies. Rimac Technology works with many major automotive manufacturers across Europe, using its engineering expertise in developing the Nevera from the ground up to offer a range of products that takes their customers through the entire product creation process – from concept to large-scale production. Rimac Technology is publicly known to have worked with many global OEMs including Porsche, Hyundai, Kia, Automobili Pininfarina, Koenigsegg, Aston Martin, while there are many additional projects which are still unknown to the public. Having delivered components for several niche volume projects in the past years, Rimac Technology is ramping up its production capacity and will be manufacturing tens of thousands high-performance systems per year by 2024.





**BUGATTI  
+ RIMAC**



## **BUGATTI RIMAC**

Bugatti Rimac, active from November 2021, sees the unique combination of two automotive and technological trailblazers; Rimac's distinctive agility, technical expertise and relentless innovation in the EV sphere sits alongside Bugatti's 110-year heritage of design and engineering some of the world's most iconic hypercars. Rimac Automobili and Bugatti Automobiles each continue to operate as separate brands and manufacturers within Bugatti Rimac joint company, retaining their individual production facilities as well as the distribution channels.



## NEVERA, hypercar 2.0

### The next generation of hypercar performance.

Developed to offer next-generation hypercar performance, Nevera is officially both the fastest accelerating production car in the world and the fastest EV production car, marking a new era in the evolution of automotive performance, achieved using technology designed, developed and produced in-house at the Rimac Group. The Nevera's 1,914hp is produced by four bespoke Rimac-engineered electric motors, enabling 0-60mph in just 1.85 seconds, and 0-100mph in 4.3 seconds. While it offers up performance unseen in all hypercars before it, it's been designed to enable all-electric grand touring previously deemed near-impossible with present day technology.



Top speed of **412 km/h / 256 mph**



Acceleration 0-60mph:  
**1.85 sec; ¼ mile: 8.58 sec**



Motor torque  
**2360 Nm**



Power outputs: **1914 hp**



Energy: **120 kWh**





**∞ INFINUM**

## **INFINUM**

Infinum is an independent agency that designs, builds, and scales authentic digital experiences that deliver value and empower people to accomplish their goals. The company's work ranges from consumer-facing mobile apps and eye-catching landing pages to complex systems with multiple levels of enterprise integration. Infinum's products are used by millions around the world and have been recognized by trade and industry authorities such as Deloitte and Inc. 5000.

Aside from working on client projects, Infinum runs a joint venture with Porsche Digital. Together they build innovative industry and consumer solutions, some exclusively for Porsche and the VW Group, while also exploring new tech-powered business models for the mobility industry.

Operating since 2005, Infinum is a thriving collective of over 350 full-time employees and collaborators.



## Porsche Digital Croatia

### Porsche Digital Croatia

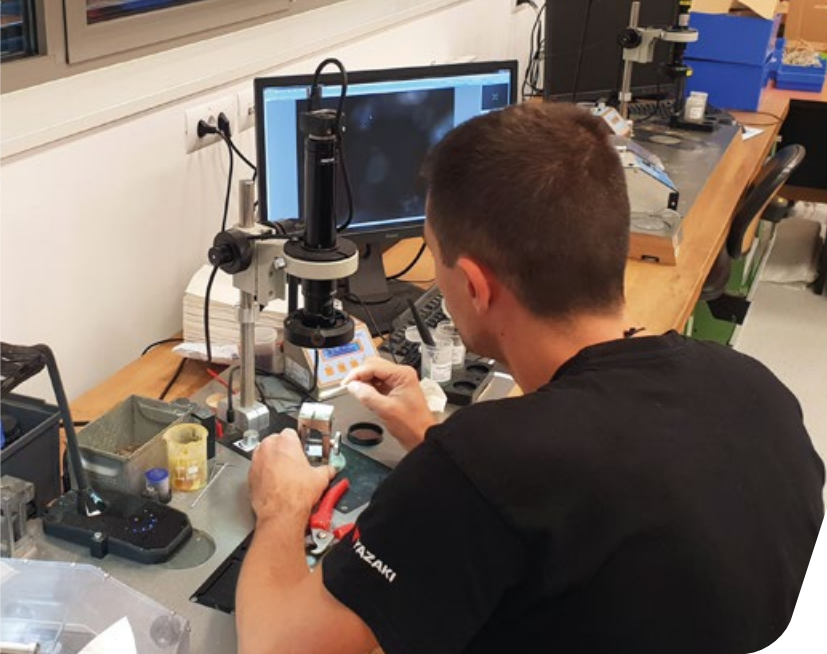
Porsche Digital Croatia is a product development company based in Zagreb that is shaping the digital future of Porsche. Using the power of design, coding, data & the latest technologies, the company improves Porsche's existing products and develops cutting-edge solutions that every Porsche customer around the world will use.

Porsche Digital Croatia was founded in 2020 as a joint venture between Porsche Digital, a digital subsidiary of the sports car manufacturer, and Infinum, a leading design and development company in Croatia. What started as a team of 7 people is now a company of more than 80 experts in software design and development, AI, machine learning, and data science.

The company is making a decisive contribution to Porsche Digital's ecosystem with products like the Porsche car rental platform, the mobile app for Porsche owners, the platform for eCommerce solutions in the Porsche ecosystem, and more.







## YAZAKI

Yazaki Corporation, founded in 1929 as the first Japanese manufacturer of automotive cabling systems, today employs over 249,000 people worldwide in 45 countries and 143 locations.

Yazaki started engineering activities in Zagreb in June 1999. The product range from Yazaki Zagreb currently covers low voltage and high voltage components, automotive data connections and advanced engineering like product engineering, simulation, testing, and validation, as well as prototyping.



The company employs more than 160 highly skilled employees, mainly engineers and technicians.



# CETITEC

connective technologies



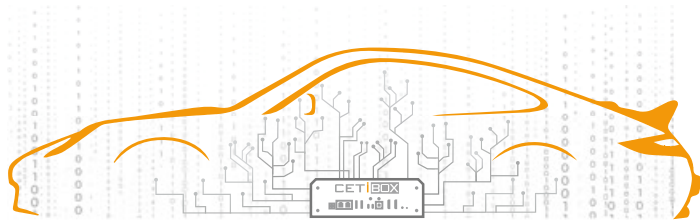
## CETITEC - Connective technologies

CETITEC specializes in communication software in cars. With its headquarters in Pforzheim, Germany, CETITEC has over 120 people employed in Europe and USA.

CETITEC started with development in Croatia in Čakovec in 2014 and today has offices in Čakovec and Zagreb. In Croatia CETITEC concentrates on development and testing of embedded software. Their expertise is recognized by global automotive OEMs from Europe, Japan and USA.

CETITEC is highly valued by OEMs for gateway solutions and software solutions for time sensitive networks as well.

Besides this, CETITEC also offers the CETIBOX which is a comprehensive tool for Automotive Connected Systems Development, offering connectivity to all automotive field bus and networking systems in one device, be it LIN, CAN, CAN-FD, FlexRay, MOST® or Ethernet AVB. CETIBOX is intended as in-vehicle test device for cars.



In Croatia the company currently employs 25 highly skilled engineers and is looking for increasing this number.



# HSTec



## HSTec

HSTec has been creating innovative and customized solutions for various industrial applications since 1997. Top-quality, high precision, flexibility, and constant improvement are the main principles that have led HSTec to become a leading expert in spindle drive technology and industrial automation.

Facing rapid innovation, short process lifespans, and mass customization, they strive for accountability, integrity, and excellence, setting their path in line with the future of industrial development - intelligent manufacturing for a dynamic global marketplace. HSTec offers comprehensive solutions for the machine tool industry - from

consultations and engineering recommendations to complete production line transformation. Product-solution-service portfolio ranges from the design and manufacturing of spindles to the development of advanced industrial automation solutions and spindle repair services. Solutions are created for smarter manufacturing that meet the highest Industry 4.0 safety and sustainability standards.



## AVL-AST

AVL-AST d.o.o. was founded in 1996 with headquarters in Zagreb as a member of AVL List GmbH, one of the world's leading mobility technology companies for development, simulation, and testing in the automotive industry, and in other sectors.

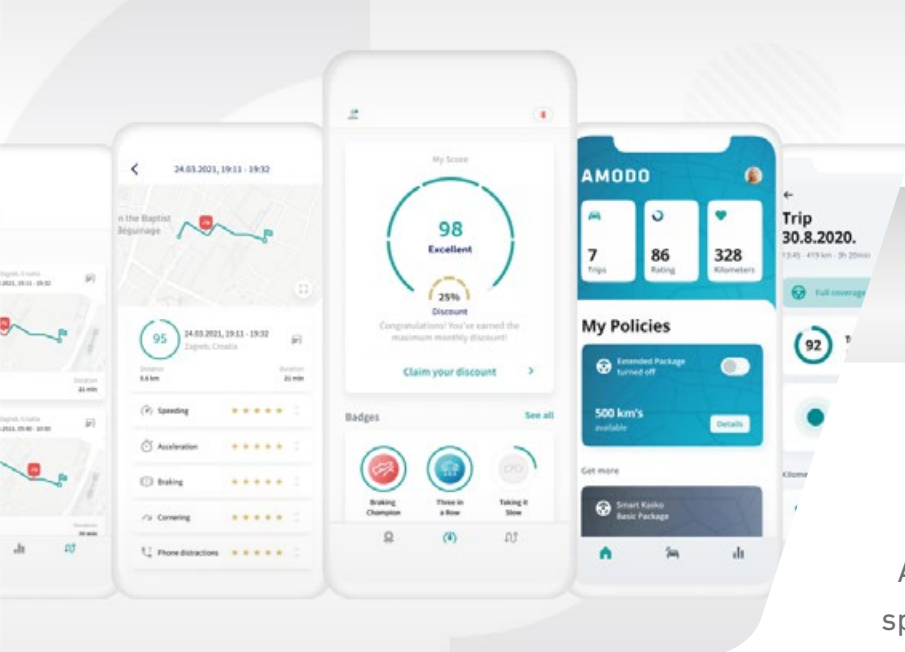
AVL in Croatia as a strategic partner creates and implements software solutions for simulation, testing, and optimization of all types of propulsion systems (hybrid, combustion engine, transmission, electric drive, batteries, fuel cells and control technology) for passenger and commercial vehicles, and increasingly turns to software production and electrification. AVL-AST is significant partner to a large number of car manufacturers worldwide who, due to stringent environmental standards and fuel consumption reduction, need to continuously improve their products.

### Areas of Expertise:

- Software Development
- Simulation Technologies
- Virtual Testing
- Autonomous Driving
- Power Electronics







# AMODO

## AMODO

Amodo is an Insurtech company specialized in usage-based insurance (UBI) propositions. Amodo Connected Insurance Platform enables insurance

companies and brokers to deliver tailor-made products by gathering and contextualizing behavioral data.

With its advanced technology, Amodo allows drivers to adapt their insurance costs to their driving habits by leveraging the one item most of them always have in their pocket - their smartphone. Offering new insurance models like Pay How You Drive, Pay as You Drive, Manage How You Drive, Try Before You Buy, Amodo has set new telematics insurance standards. Over the past nine years, this European Insurtech launched close to 50 Connected Insurance projects on 6 continents with some of the leading companies from the insurance space such as AIG, Porsche Insurance, UNIQA, and many others. Amodo was named by Financial Times as one of the top 5 most innovative Insurtech companies globally, is a winner of a prestigious DIA Diamond Award in 2020, won a title of one of the leading suppliers of telematics technology for insurance companies by Ptolemus Consulting Group, and has been named by Frost and Sullivan as the Best Practice Leader in the Usage-Based Insurance market in 2021.

Amodo has raised 7M USD from investors such as Speed Invest, Lead Ventures, SGH Capital, and BeeNext. Company currently employs around 50 people, including Engineers, Data Analysts, Product Managers, Project Managers, Marketers, Sales, Human Resources, and Legal.







**GlobalLogic**<sup>®</sup>  
A Hitachi Group Company

## GlobalLogic

GlobalLogic transforms what is in and around the vehicle. By leveraging the latest technology, they have provided digital solutions

for in-vehicle electronics, driver assistance systems, active safety systems, and modern cloud platforms, leaving drivers with unparalleled user experience.

Having worked with some of the top automotive technology suppliers and OEMs, GlobalLogic has developed deep expertise in software that redefines the driver experience. The main areas are - Digital Cockpit, Connectivity and Telematics, Electronic Control Units, Advanced Driver Assistance Systems, Virtual Maintenance Training and Design & Styling.

GlobalLogic has strong an automotive team in Croatia which combines forces with more than 2300 engineers specialized in automotive all around the world working together for more than 40 automotive clients.

GlobalLogic is a Hitachi Group Company.

### Facts about the company:

- 28,000+ employees in 15 countries
- 500+ active clients
- 70+ private label customer labs
- 35 engineering centers
- 8 design studios







## Visage Technologies

Visage Technologies is a computer vision technology provider for the automotive industry. The company provides face tracking, analysis and recognition software used to identify drivers, track their gaze, recognize emotions, monitor attention, and more.



Its specialized Automotive Division exclusively collaborates with Arriver, developing a vision system for forward-looking cameras. The purpose of the system is to detect and track objects visible from the vehicle for ADAS (Advanced Driver Assistance System) and autonomous driving.

The company employs 140 engineers.



## XYLON

Xylon is a high-tech electronics company focused on design and customization of flexible automotive data logging solutions, intellectual property, and design

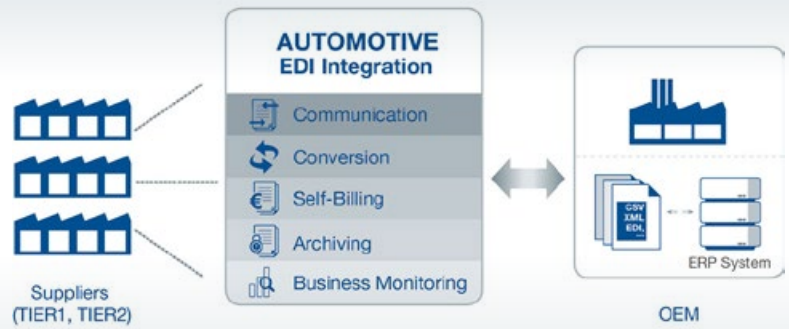
services based on programmable FPGA and SoC devices.

The company was founded in 1995, and has since then delivered many custom programmable chip designs used in production automotive systems on the road. Xylon's core competencies are in the fields of computer vision, video processing, AI systems and high-speed networking.

Besides intellectual property, Xylon designs and manufactures electronics systems for test and validation of cutting-edge automotive ADAS and Autonomous Driving (AD) systems. Xylon's logiRECORDER Automotive HIL Video Logger is used in automotive test fleets for non-intrusive and low latency recording of invaluable multi-channel video and network test data for system validation. This single-box solution also enables synchronous playback of logged and synthetically generated simulation data in realistic HIL simulations that replicate a test-vehicle's sensory system on the developer's desk.

Xylon exports more than 95 % of its products and services, and its customers include some of the world's best-known tech companies, as well as numerous automotive OEM and Tier1 companies. Its HQ is in Zagreb, with sales offices in Germany, USA and Japan.

The company has around 100 full-time employees and students, comprising highly skilled engineers.



## EDITEL ADRIA

EDITEL has more than 40 years experience as an international EDI service provider with a strong presence in the CEE area. Thanks to the 2018 merger with TELEDIN, a Czech company that specializes in the automotive industry, EDITEL now operates a highly specialized competence center for the automotive and manufacturing sectors. The team of EDI experts at EDITEL has in-depth expertise in widely used standards in the industry and a deep understanding of all processes in this ever-changing industry.

EDI allows for the perfectly coordinated and standardized exchange of logistics information between OEMs (Original Equipment Manufacturers) and their suppliers, as well as provides answers to future challenges:

- Ever shorter product cycles
- Unexpected delivery and merchandise bottlenecks
- Impact of innovations such as KI, Cloud, Big Data, and IoT
- E-mobility – incorporating new generations of vehicles into existing production structures
- Emergence of new and complex digital ecosystems (e.g., when established suppliers work with new ones)





In the past we were guided by human hands  
In the future will be driven by human ideas

## **TTTechAuto**

### **TTTech Auto**

TTTech Auto CEE is a regional authority on engineering and development of safety critical software. As part of TTTech Auto, they are globally acting on product development and customer support.

Teams are developing software for ADAS (Advance driver-assistance systems) and AD (Autonomous driving).

The systems which TTTech Auto teams develop are of a high level of autonomy and the software intended for these purposes must be error-free, otherwise it can directly threaten the safety of passengers. As this is a real time software, requiring timely exchange of

information according to predefined priorities, they are also dealing with development of software components which provide fast and reliable communication.

TTTech Auto has worked on challenging projects with well-known companies such as Audi, Volkswagen, Mercedes, BMW, SAIC, Hyundai, Kia and others. Currently, their office in Osijek has a little more than 170 engineers with a tendency to expand.





## MIREO

Mireo was founded in 2001 with a wish to create top-of-the-line GPS navigation solutions. Twenty years and over 20 Million navigation licenses later, Mireo today partners with major automotive OEMs and Tier-1 suppliers.

Soon after its foundation, Mireo entered the telematics industry with an immediate impact and focused on product innovation. Today, Mireo's SpaceTime technology shifts the connected vehicle data analytics paradigm by allowing companies to monetize their vehicle sensor data.



# Quality of Life

Croatia has preserved its environment and beautiful nature by setting aside 409 protected areas covering 9.3 % of its territory. With its three climate areas (Mediterranean, Mountainous, Continental), one of the most beautiful coastlines, and high rates of safety and environmental quality, Croatia is a perfect place to live and work in.

**Croatia ranks highly among 140 countries in terms of quality of life according to the World Economic Forum:**

**14<sup>th</sup>**

by environmental sustainability

**20<sup>th</sup>**

by natural resources

**23<sup>rd</sup>**

in natural and cultural resources

**According to the Sustainable Development Report 2022, Croatia ranks:**

**23<sup>rd</sup>**

among 163 countries in the Sustainable Development Goal Index: 23<sup>rd</sup>/163



SOURCE:  
World Economic Forum (WEF),  
The Travel & Tourism  
Competitiveness Report 2019,  
Sustainable Development  
Report 2022







# Institutional Support

The Ministry of Economy and Sustainable Development of the Republic of Croatia is the central focal point for the investors wishing to invest in the Republic of Croatia.

Every investor can expect to receive support from the Ministry of Economy and Sustainable Development throughout the investment process.

Investment support includes:

- Professional and customised assistance in all phases of the investment project (pre, during and post-investment care);
- Providing necessary information on investing in Croatia, such as analyses of the business climate and investment framework, investment opportunities (projects, business zones), investments incentives, etc.;
- Organizing visits to investment sites and arranging meetings with public and private bodies;
- Granting of incentives.

# Feel free to contact us



**REPUBLIC of CROATIA**  
Ministry of Economy and  
Sustainable Development

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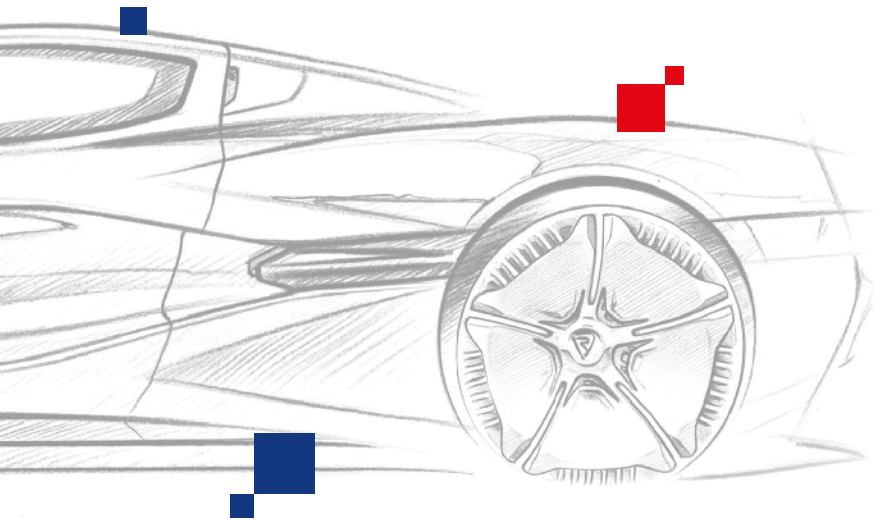
**[investcroatia.gov.hr](http://investcroatia.gov.hr)**

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**INVEST**  
in Croatia 



**REPUBLIC of CROATIA**  
Ministry of Economy and  
Sustainable Development