

CSABA KILIÁN - CEO

THE SUPPLY CHAIN - CHANGES IN **RECENT YEARS**

Association of the Hungarian Automotive Industry - MAGE



THE ROLE OF HUNGARIAN SUPPLIERS IN



Mission of MAGE Association

- Effective representation in legal, economic and social issues
- Improve competitiveness
- Promote national suppliers
- Support strong and productive R&D&I
- Foster further automotive investments
- Enhancing international partnership



MAGYAR GÉPJÁRMŰIPARI EGYESÜLET

- 90%
- people

MAGE members' contribution

• to the total automotive export: 93% • to the total output of the Hungarian Automotive Industry: 80% • to the total automotive investments: 90% • to the total automotive R&D&I investments:

MAGE members employ more than: 90 000



Cooperation with and membership of other professional organizations

- ACEA European Automobile Manufacturers Association; professional partnership
- Automotive associations of V4 countries
- Industry 4.0 National Technological Platform
- 5G Coalition, founding member
- CO2 Coalition, founding member
- AI (Artificial Intelligence) Coalition, founding member



Vehicle manufacturing



431 936

525 375

528 975

472 196

460 000

532 517





Engine production





The vehicle industry of Hungary

In addition to a 20 % contribution to the national export this branch of the processing industry provides working possibilities for several small and medium enterprises, suppliers.

The major part of the Hungarian automotive industry is concentrated in Győr-Esztergom, Szentgotthárd-Szombathely, Debrecen, Kecskemét and Miskolc regions.

More than 50 from the 100 biggest suppliers of the vehicle industry are present in Hungary



Number of enterprises close to



5 OEMs have already chosen us for manufacturing activities,







Impact of the COVID crisis on the automotive industry, at the financial, operational and strategic levels





Panorama of domestic vehicle production

OEM-s, Tier1-s

- foreign property,
- high technology level,
- significant resources,
- high production value,
- mostly high foreign material content,
- export orientation,
- typically foreign R & D, but expanding tasks.

SMEs

- traditional capacities,
- scattered inadequate resources,
- low added value,
- low cooperative level,
- typically no R & D,
- increasing number of exceptions.



The output of small businesses fell the most

Production of organizations with 5-49 people decreased by 16% compared to a year earlier. The largest industry in this circle metallurgy and metal processing, as well as rubber, plastics and plastics the performance of the building materials industry lagged behind from the year 2019. Medium, 50 to 249 people and enterprises with a larger number of employees production volume to a lesser extent, 6.8, and decreased by 4.3%.

The output of large export-oriented large enterprises is mainly due to the decline in vehicle production became smaller, this was partially compensated by that among the industries expanding during the pandemic also the manufacture of electrical equipment, the manufacture of pharmaceuticals and the manufacture of electronics it focuses on large corporations.

Enterprises with at least 250 employees in 2020 nearly three-quarters of industrial production was produced, and industrial exports even more so most of it was given.





14,1 4,1

5-49 pp Distribution of industrial production and sales by company size, 2020,%, Source: KSH

0,9	32,8	46,2

Export sale



50–249 pp 250pp or more



R&D targets

National priorities

- Healthy society and prosperity
- Advanced vehicle and other engineering tec (material technology, nanotechnology, electric)
- Clean renewable energies

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Large, mostly foreign-owned companies spend the most on R&D



Distribution of the main indicators of enterprises engaged in research and development by type of ownership and headcount category, 2019,%. Source: KSH

Did you know?

In response to the new trends, the following courses have been launched **Autonomous Vehicle Control MSc + Autonomous Vehicle Programming MSc** (in English) in Budapest.

Source: HIPA

Innovation hubs in the automotive industry

Significant investments in battery manufacturing

Source: HIPA

ZalaZone Proving Ground

Some major automotive companies using ZalaZone 🏾 😵

Source: HIPA

Thank you for your attention!

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