

BACC

Baltic Automotive Components Cluster

GENERAL OVERVIEW



LITHUANIAN INDUSTRY

CONSTANTLY GROWING
AND BECOMING
MORE AND MORE
COMPETITIVE

BASELINE

TOP GLOBAL MANUFACTURING DESTINATIONS

DESCRIPTION AND WEIGHTINGS

The Baseline scenario gives equal importance to a country's operating conditions and cost competitiveness.

Conditions

40%

Risk

20%

Cost

40%



BASELINE



COST



RISK

TOP QUARTILE	SECOND QUARTILE	THIRD QUARTILE	FOURTH QUARTILE
China	Colombia	Japan	Tunisia
India	Romania	Slovakia	Greece
United States	Portugal	Australia	Germany
Canada	Hungary	Philippines	Austria
Czech Republic	Singapore	Argentina	Italy
Indonesia	Bulgaria	Finland	Denmark
Lithuania	Turkey	United Kingdom	Ireland
Thailand	South Korea	Brazil	Belgium
Malaysia	Mexico	Morocco	Norway
Poland	Sri Lanka	Sweden	Switzerland
Vietnam	Russian Federation	Netherlands	Venezuela
Spain	Peru	France	

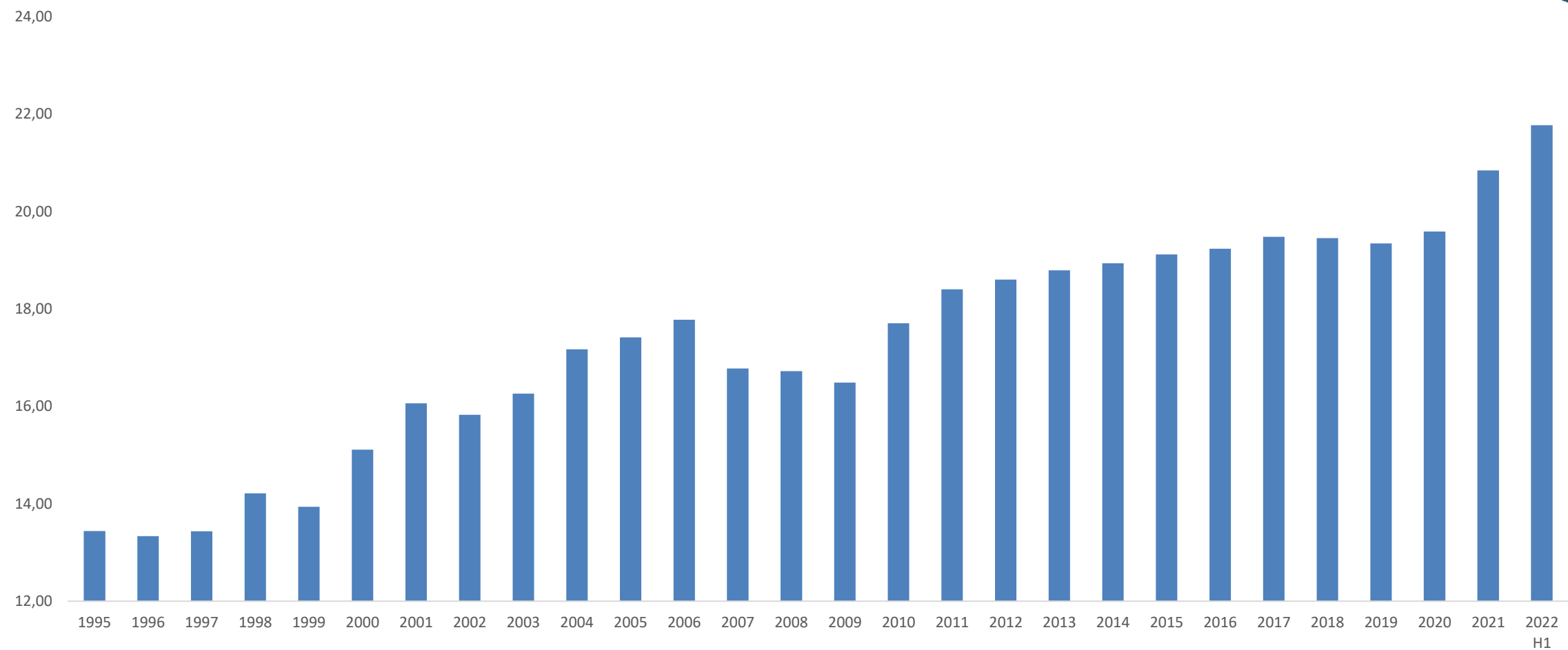
MANUFACTURING RISK INDEX (2021)

(Cushman & Wakefield survey)

“Lithuania is rated among
TOP 7 in the world and
TOP 2 in Europe on the
attractiveness for global
manufacturing.”

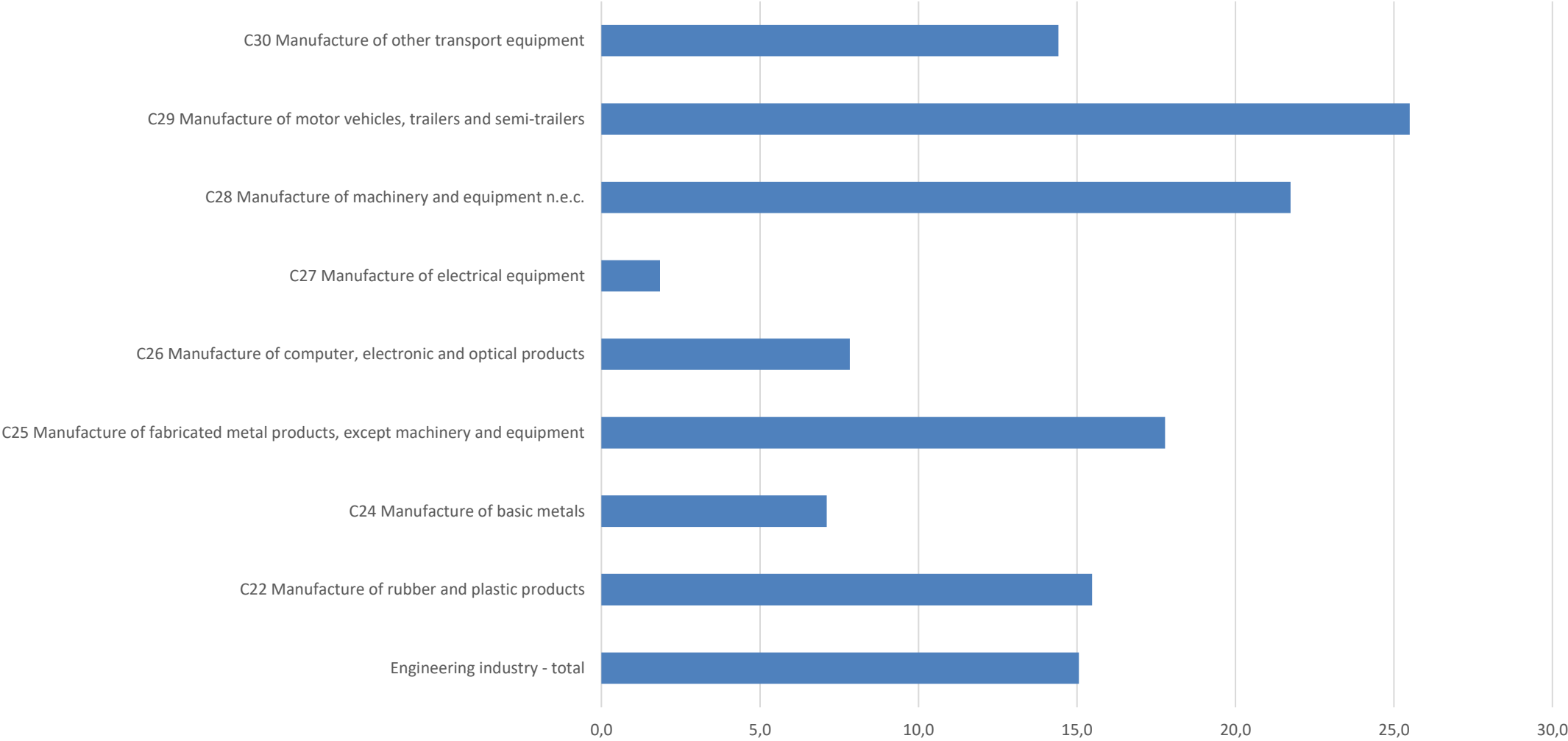
LITHUANIA: MANUFACTURING GROWTH

Manufacturing: share in GDP, %



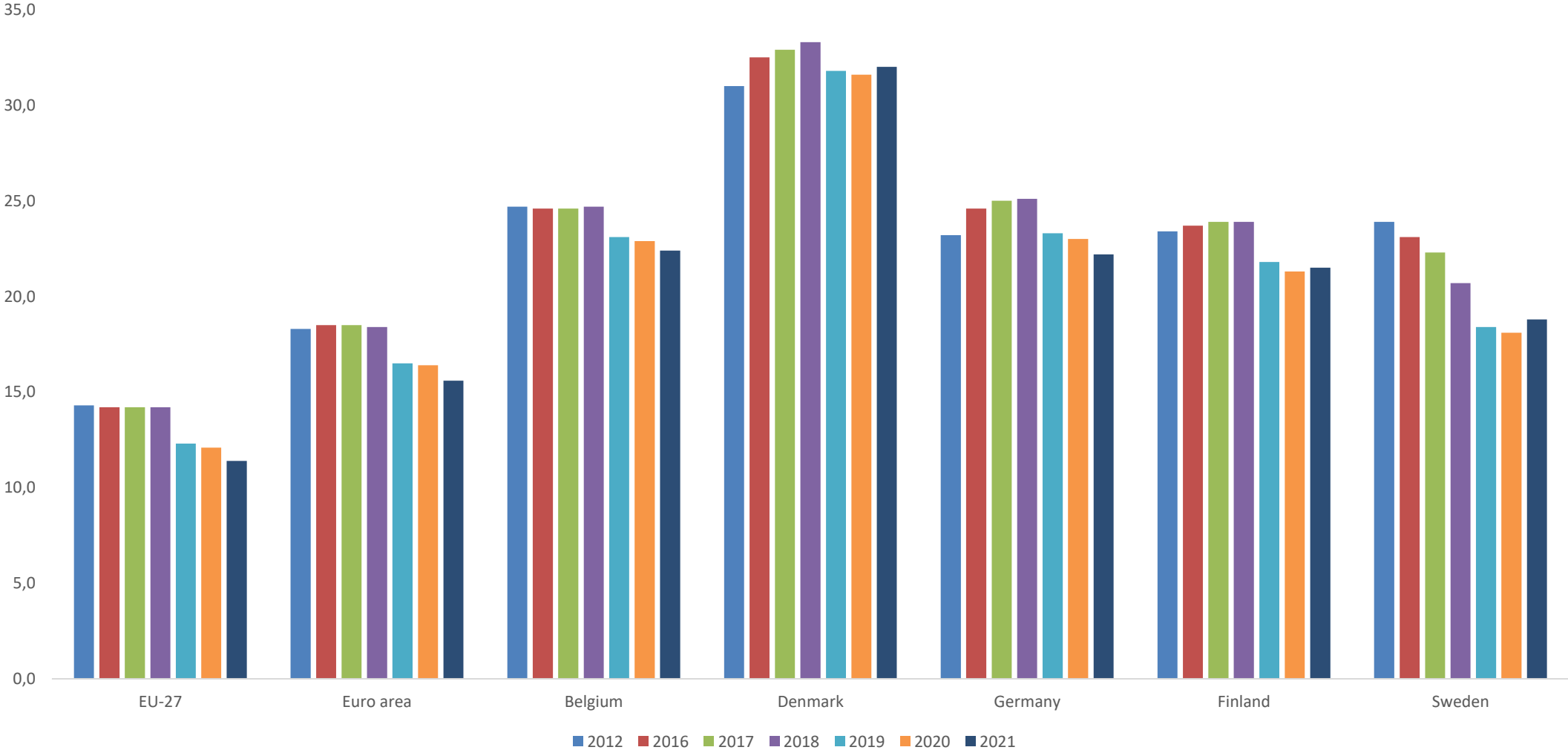
PRODUCTION GROWTH 2022 vs 2021

Industrial Production change of January-August period



WAGE DIFFERENCES IN MANUFACTURING

Difference in wages in manufacturing with Lithuania, EUR/hour

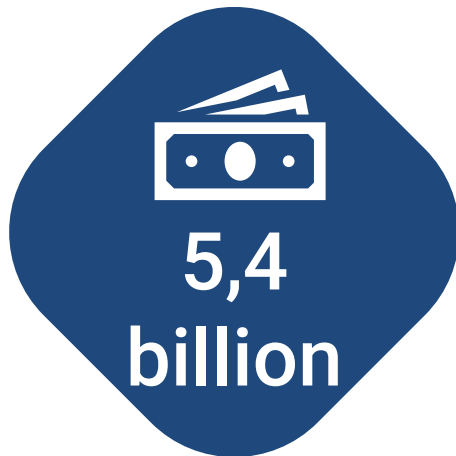


Source: Eurostat

LITHUANIAN ENGINEERING INDUSTRY IN NUMBERS



Turnover 2021*



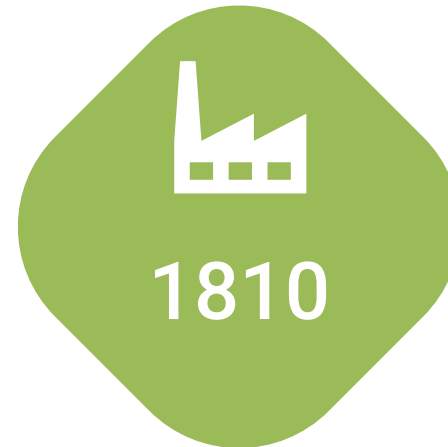
Turnover 2020: 4,5 billion.
Turnover 2007 2,55 billion.

Number of employees 2021



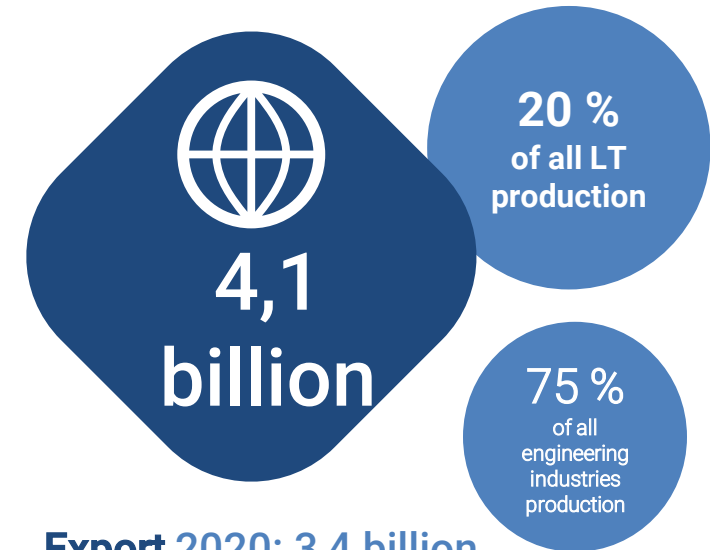
Number of employees 2020: 53 385
Number of employees 2007: 50354

Number of
companies 2021



Number of companies 2020: 1790
Number of companies 2007: 1201

Export 2021*



Export 2020: 3,4 billion
Export 2007: 1,621 billion

* Source: Enterprise Lithuania, Department of Statistics of Lithuania

VISION

AND MISSION



To become a reliable and recognized union of companies producing and supplying parts and components for automotive industry businesses



To collectively promote awareness of the Baltic states automotive industry and spread information about its potential



AUTOMOTIVE INDUSTRY

BALTICS

- ~200 companies are producing parts and components for automotive, agriculture and construction machinery industry
- Revenue is very close to 1,49 billion EUR
- Revenue in Lithuania ~ 875 mio EUR
- Over 15 000 employees
- In Lithuania > 10 000



ADVANTAGES AND BENEFITS

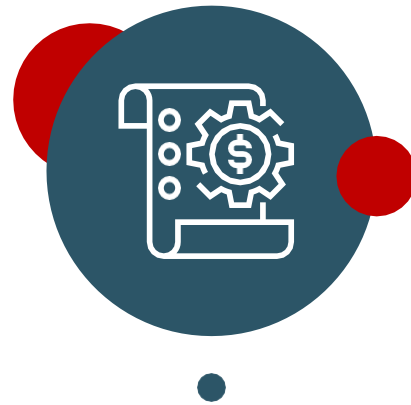
For our clients



Production and trade of automotive parts and components for OEM, TIER1, TIER2, **developing value chain**



Marketing / International experience: participation in the international exhibitions, B2B events, business missions and conferences



Cooperation with universities, vocational schools **preparing electronics, robotics, etc. specialists**



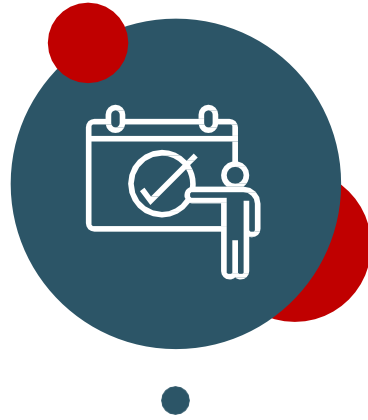
Internal cooperation among BACC members - strengthening relations, development of the service / product value chain

ADVANTAGES AND BENEFITS

For our clients



Partnership with vocational schools and universities to help the industry prepare targeted professionals



In cooperation with audit firms, to organize / coordinate necessary training according to IATF 16949, VDA6.3, VDA6.5, FMEA and other standards



Common projects with the aim to reduce production and overhead costs



Supply chain management - shorten your suppliers list

Metal processing

- ♦ Stamping, pressing
- ♦ Tooling design and production
- ♦ Forging
- ♦ CNC Milling, CNC Turning
- ♦ Welding
- ♦ Deep drawing
- ♦ Sheet metal processing
- ♦ Cutting, bending
- ♦ Assembly

Plastics, rubber products

- ♦ Injection moulding of plastic products
- ♦ Injection moulding of rubber products
- ♦ 2K molding
- ♦ 3K molding
- ♦ Tampos - print (pad printing) on part

PRODUCT APPLICATION



Passenger cars



Busses
Trucks



Production
of automotive
assembly lines



Construction,
Agricultural
Machinery



Aircraft
Marine

Metal treatment services

- ♦ Electro dip coating (KTL or E-coat)
- ♦ Powder coating
- ♦ Surface treatment
- ♦ Zinc, chrome nickel copper plating
- ♦ Aluminum anodizing
- ♦ Stainless steel electro - polishing

Cable harnesses and electromechanical systems

- ♦ Wiring harnesses
- ♦ Power and battery cables
- ♦ Electromechanical modules (el. Centers, power boxes, interior lighting)
- ♦ Contract manufacturing

PRODUCT APPLICATION



Passenger
cars



Busses
Trucks



Production
of automotive
assembly lines



Construction,
Agricultural
Machinery



Aircraft
Marine

Electric motors and batteries

- ♦ Three phase IPM motor
- ♦ Precision winding
- ♦ Automotive Lithium Ion battery module (NMC chemistry)
- ♦ Ultrasonic wire

Filters

- ♦ Air
- ♦ Oil
- ♦ Fuel

Air Brake Compressors

Trucks
Busses
Agricultural vehicles

PRODUCT APPLICATION



Passenger cars



Busses
Trucks



Production
of automotive
assembly lines



Construction,
Agricultural
Machinery



Aircraft
Marine

Insulated panels, refrigerated semi-trailers vehicles

- ◆ Foldable side wall semi-trailers, trailers and bodies
- ◆ Refrigerated Trucks & Trailers
- ◆ Semi-trailers
- ◆ Insulated panels, components

Electronics products, assemblage services

- ◆ Vehicle tracking devices and accessories
- ◆ Vehicle level sensors
- ◆ Radar sensors
- ◆ Comfort and security modules,
- ◆ Advanced Driver Assistance Systems,
- ◆ High performance computers

PRODUCT APPLICATION



Passenger
cars



Busses
Trucks



Production
of automotive
assembly lines



Construction,
Agricultural
Machinery



Aircraft
Marine

QUALITY ACCREDITATION & ASSURANCE

**IATF
16949**

VDA6.5

**ISO
9001**

**ISO
45001**

VDA6.3

FMEA

**ISO
14001**

- Coordinate measuring system (CMM)
- Certified VDA professionals
- Trainings for Quality managers

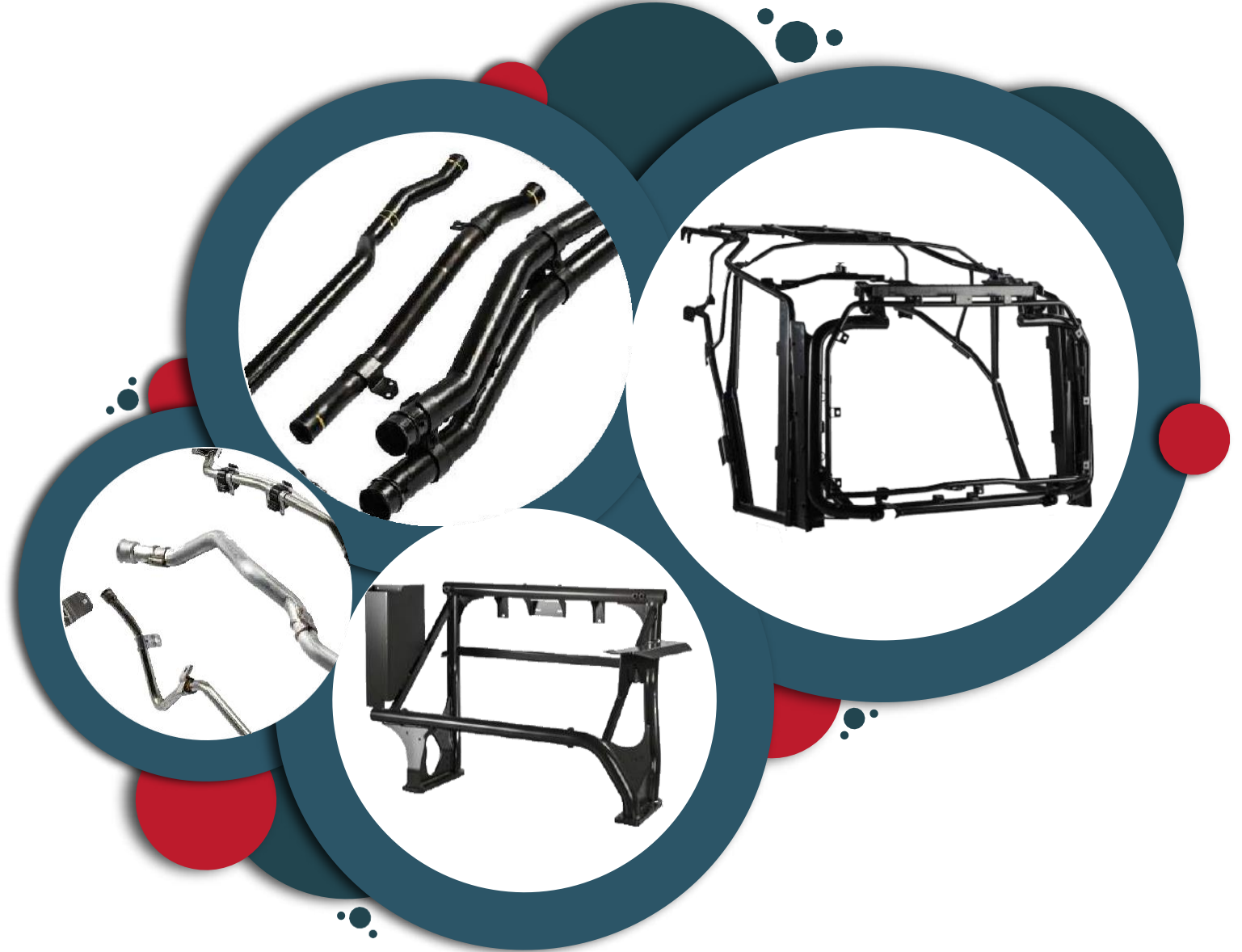
FORGED PARTS



STAMPED PARTS DEEP DRAWING



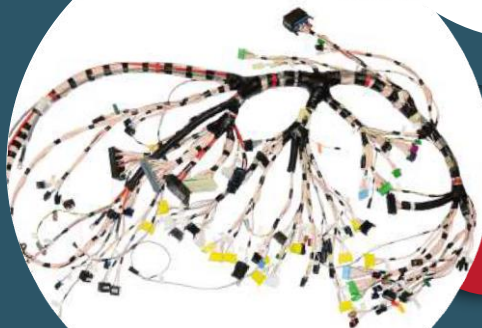
PIPE BENDING END FORMING ASSEMBLY



CNC MILLING CNC TURNING



WIRING HARNESSES CABLES ELECTROMECHANICAL MODELS



FILTERS

AIR, CABIN, OIL, FUEL

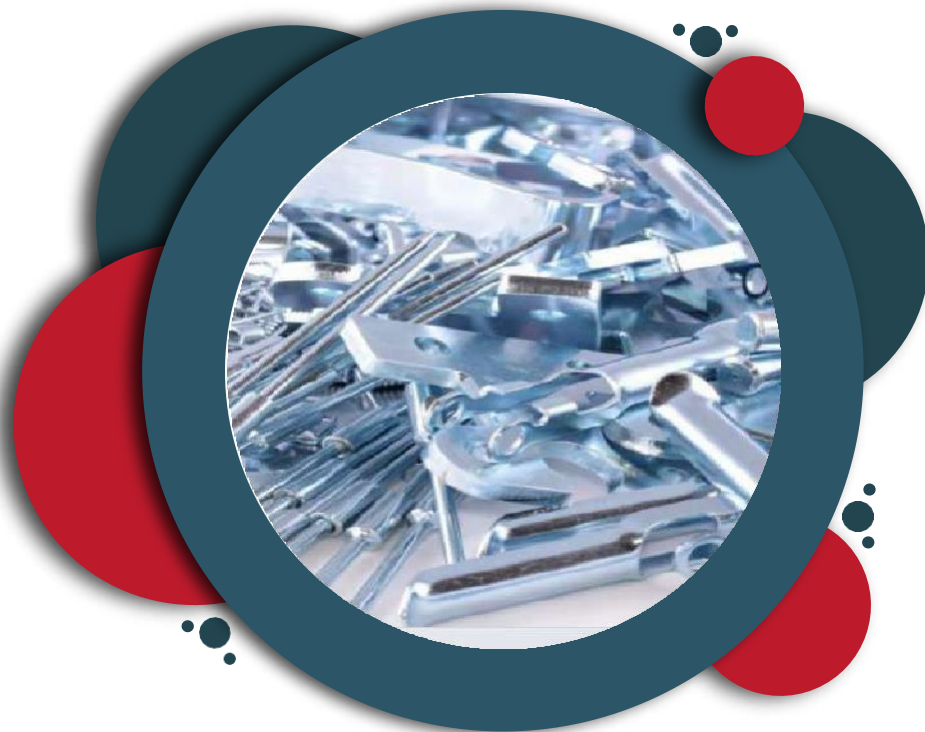


AIR BRAKE COMPRESSORS



PLASTIC INJECTION MOULDING - PROCESSES

CHROME PLATING
ON PLASTIC



LASER ENGRAVING



METAL SURFACE TREATMENT

COATING, PLATING, KTL, ZINK,
ZNNI, ZNFE PLATING



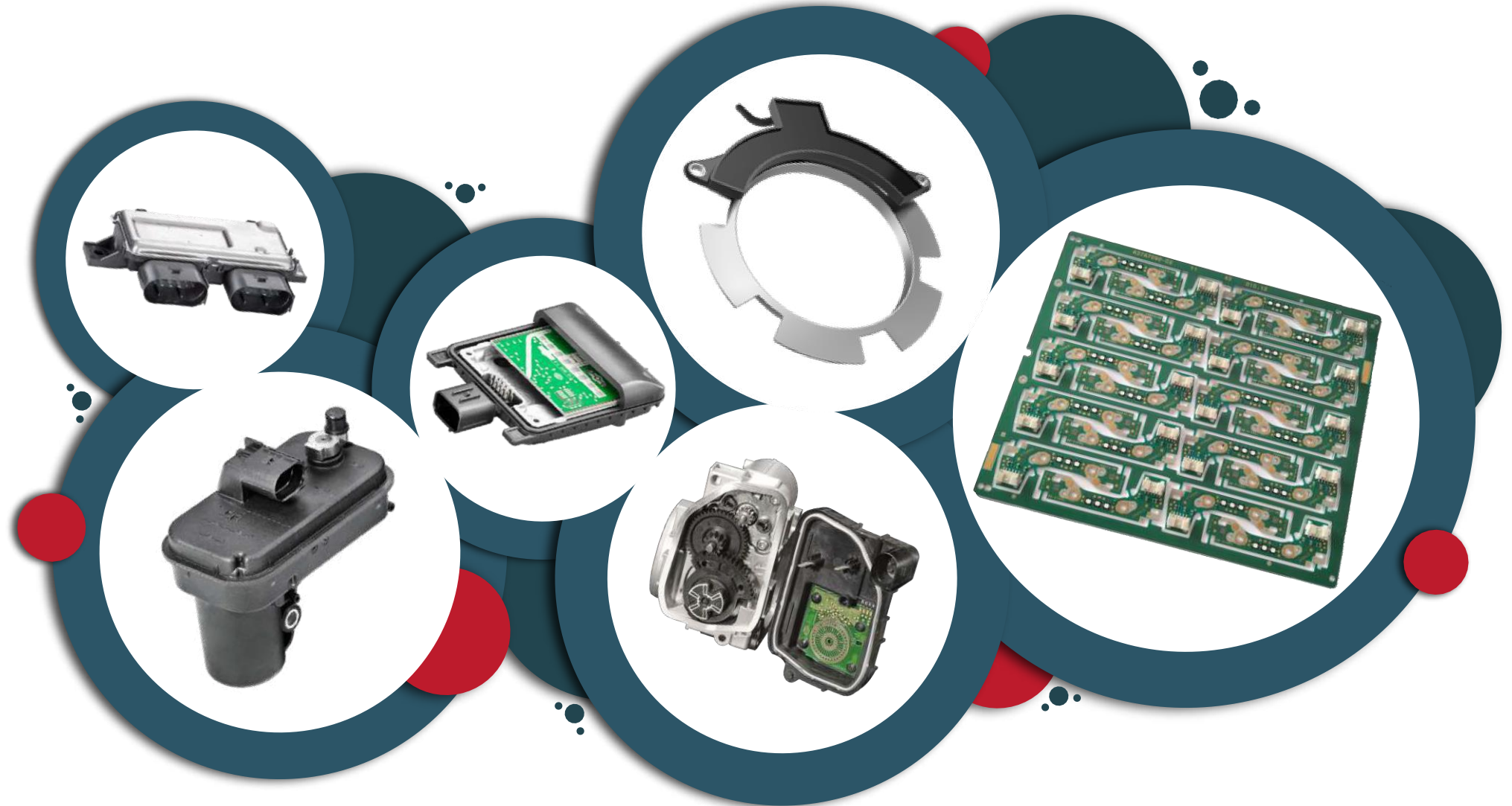
I FLEET MANAGEMENT SOLUTIONS



I AUTOMATION AND SENSORS



■ SENSORS, ACTUATORS, CONTROL MODULES



ELECTRONIC COMPONENTS FOR AUTONOMOUS DRIVING SAFETY AND COMFORT



Electric motors and batteries



ENGINEERING CAPACITIES

R&D and achievements





AB ASTRA LT

The advanced road tanker

THE TANKER IS TRULY BETTER DUE TO THE FOLLOWING PROPERTIES:

- Really lightweight (6,130 kg)
- Perfectly insulated
- Made from Duplex stainless steel
- Probably best in class



OUR ACTIVITIES

- Single point channel provider: data, supply chain, M&A
 - B2B meetings
 - Business missions
-



BACC is interested in the following areas of cooperation:

- Production and trade of automotive parts and components for OEM, TIER1, developing value chain with the aim to save costs or time for our clients;
- Organization of visits, trade missions to know better potential suppliers or manufacturers in Lithuania;
- Identification and initiation of business-relevant joint projects to develop together new products or services;
- Introduction of new opportunities for expansion / relocation projects;
- R&D center combining IT and engineering;
- Attracting services' providers who are not operating in Lithuanian market;
- International Automotive conferences/events organised by BACC

BACC

Baltic Automotive Components Cluster

THANK YOU!

bacc.it

Darius Lasionis

