





JSC «BATE»- managing company of the holding
«Automotive components»

Borisov

www.starter.by

Enterprises included in the holding



JSC «Borisov Plant
«Autogidrousilite»
Borisov City
www.agu.by



JSC «Borisov Plant of Aggregates»
Borisov City
www.bza.by



JSC «Ekran»
Borisov City
www.ekranbel.com



JSC «Rudensk»
Rudensk Town
www.rudensk.com



JSC «Belcard»
Grodno City
www.belcard-grodno.com



JSC «Shchuchin Plant «Autoprovod»
Shchuchin Town
www.avtoprovod.com



JSC «Remiz»
Zhodino Town
www.remiz.by



JSC «Prema»
Gorky Town



JSC «VZEP»
Vitebsk City
www.vzep.vitebsk.by



JSC «Radiotechnica»
Oshmyany Town
www.rto.by



JSC «BATE»- managing company of the holding «Automotive components»
The share of the state in the package of shares is 99%.



JSC «Borisov Plant «Autogidrousilitel»

The share of management company in the equity stake makes 97,99%.

The share of the state in the package of shares is 2,0%.



JSC «Borisov Plant of Aggregates»

The share of management company in the equity stake makes 99,18%.

The share of the state in the package of shares is 0,82%.



JSC «Ekran»

The share of management company in the equity stake makes 100%.



JSC «Rudensk»

The share of management company in the equity stake makes 99,9%.



JSC «Belcard»

The share of management company in the equity stake makes 97,75%.



JSC «Shchuchin Plant «Autoprovod»

The share of management company in the equity stake makes 75,0%.



JSC «Remiz»

The share of management company in the equity stake makes 98,12%.



JSC «Prema»

The share of management company in the equity stake makes 99,89%.



JSC «VZEP»

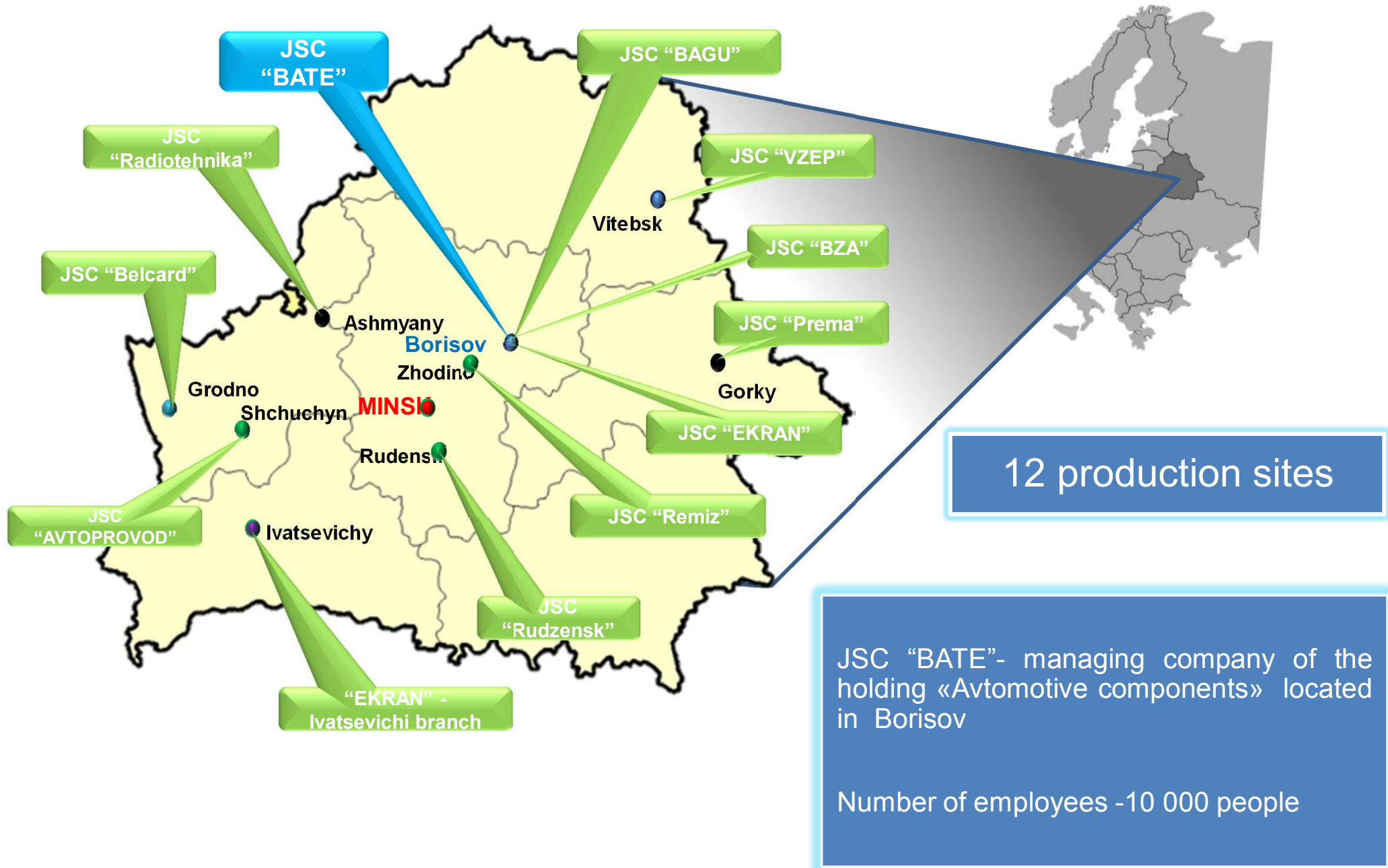
The share of management company in the equity stake makes 100%.



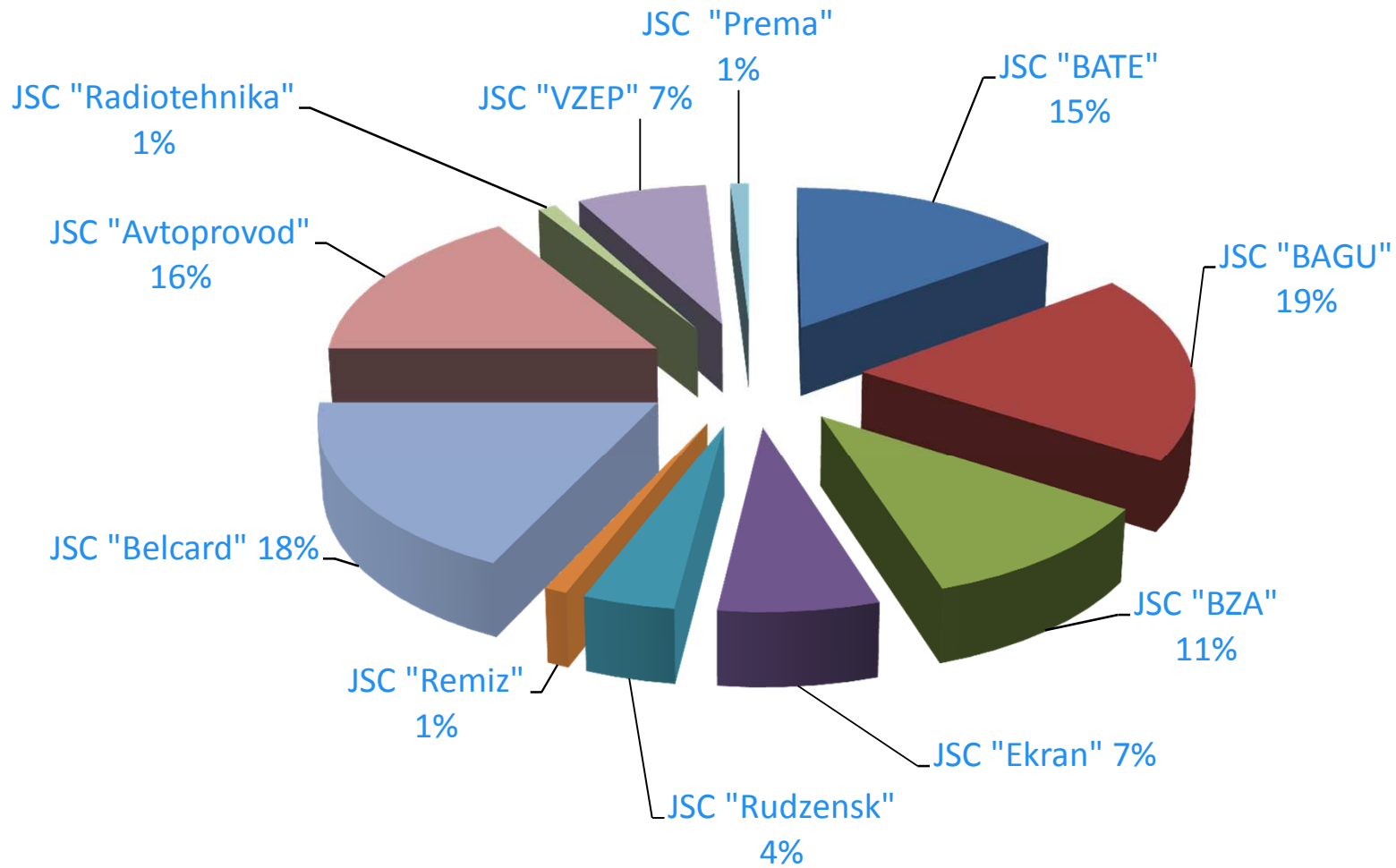
JSC «Radiotechnica»

The share of management company in the equity stake makes 97,92%.

The holding company «Automotive components»



Production volumes of holding enterprises



Production capacity of the Holding «Automotive components»

Press production



Chemical heat treatment



Stamping production



Mechanical assembly production



Aluminum die casting complex



Production of XPS – panels



Die casting and pressing of plastics



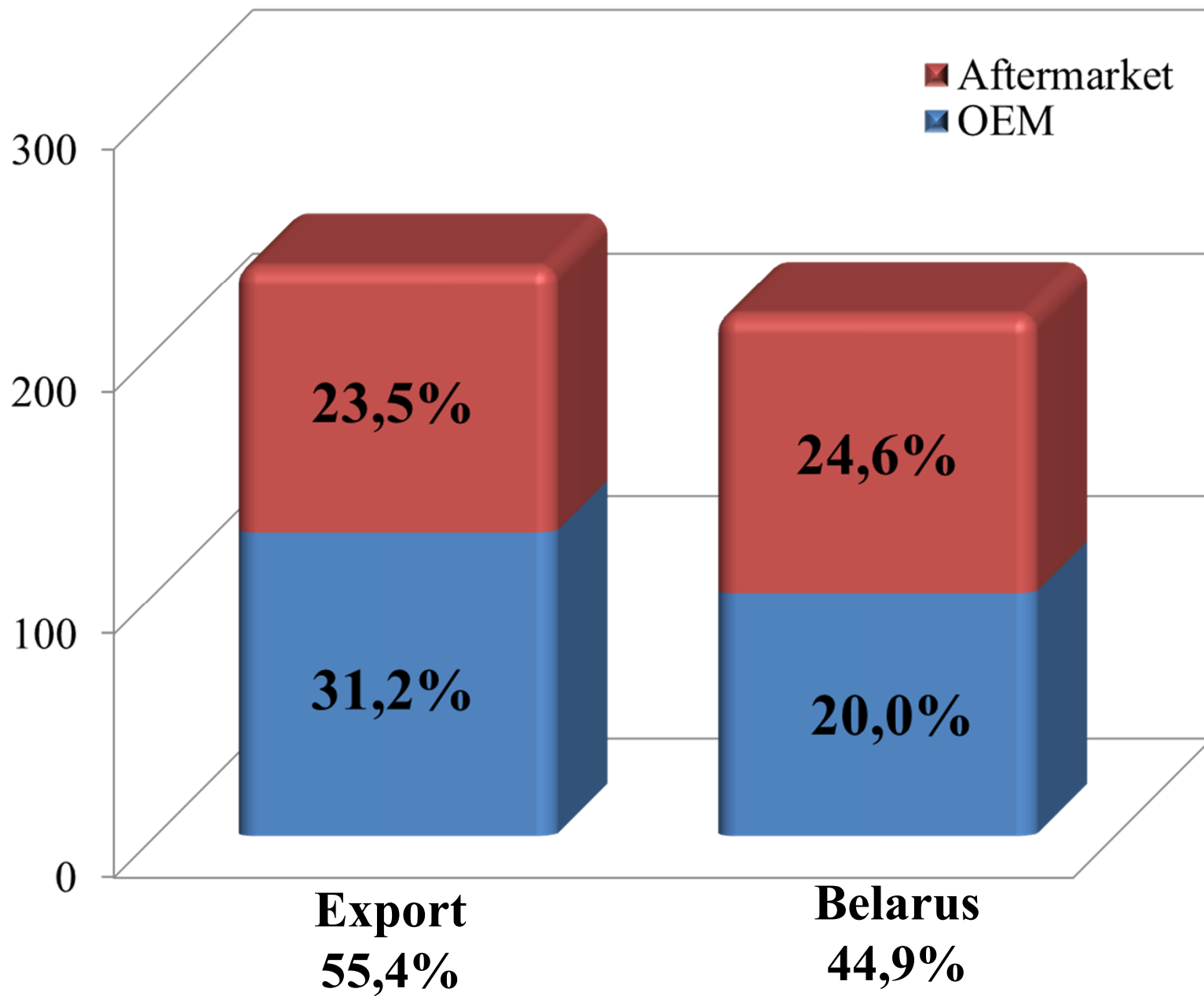
Assembly production



Tool production



Structure of sales of the Holding «Automotive components»



Republic of Belarus



- booster pump
- valve unit
- cardan shafts and transmissions
- dashboard
- heater
- headlamp unit
- ABS/anti-skid system with electronic fuel system
- climate control system
- electrical equipment control unit
- starter
- alternator



- climate control system
- heater
- air filter
- starter



- cardan shafts and transmissions
- air filter



- cardan shafts and transmissi
- contactor
- electric motor



- headlamp unit



- cardan shafts and transmissions



- water pump
- oil pump
- pneumo charger
- turbo charger
- oil filter
- starter
- alternator

Russian Federation



- booster pump
- steering mechanism
- drive gear box
- cardan shafts and transmissions
- turbo and pneumo chargers
- air filter
- LED lamp
- headlamp unit
- starter
- alternator



- cardan shafts



- steering mechanisms



- booster pump
- cardan transmissions



- steering mechanism
- Chevrolet Niva
- alternator



- cardan shafts and transmissions



- water pump
- oil pump
- pneumo charger
- turbo charger
- alternator
- starter



- steering mechanism
- UAZ «Patriot»
- speedometer
- front light



- pump and hydraulic cylinder of cab tilt mechanism
- cardan shafts and transmissions
- hydraulic cylinders



**Harnesses -
JSC «Avtoprovod»**



**Starters, alternators,
engine, radiators -
JSC «BATE»**



**Lights, light ings-
JSC «Rudensk»
JSC «Radioetehnika»**



**Pumps – JSC «Borisov
plant of Aggregates»**



Filter JSC «Remiz»



**Shock absorbers, cardan
shafts - JSC «Belcard»**



**Dashboards, gas pedal
- JSC «VZEP»**



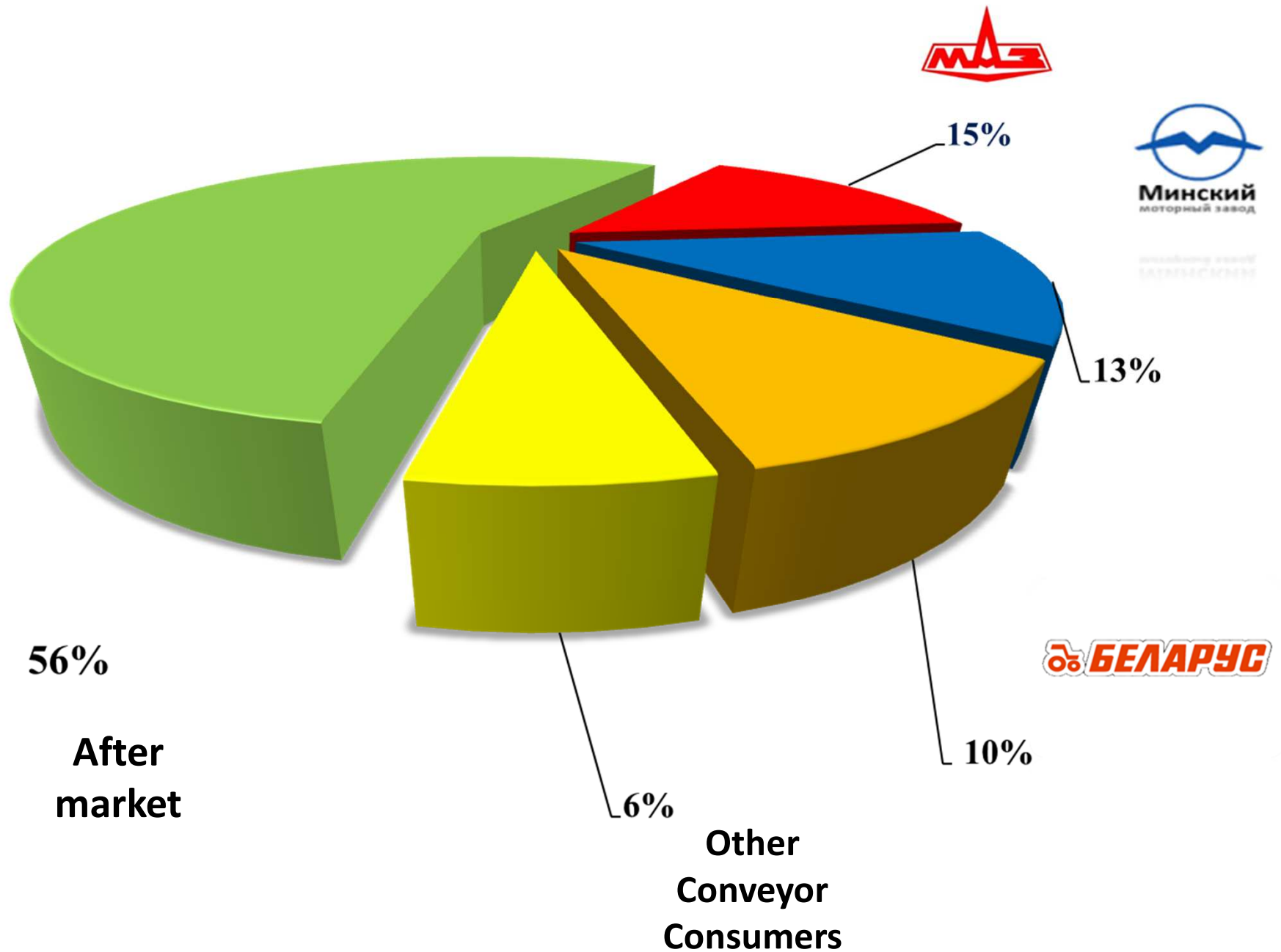
**Steering gears-
JSC «Borisov plant
«Autogydrousilitel»**



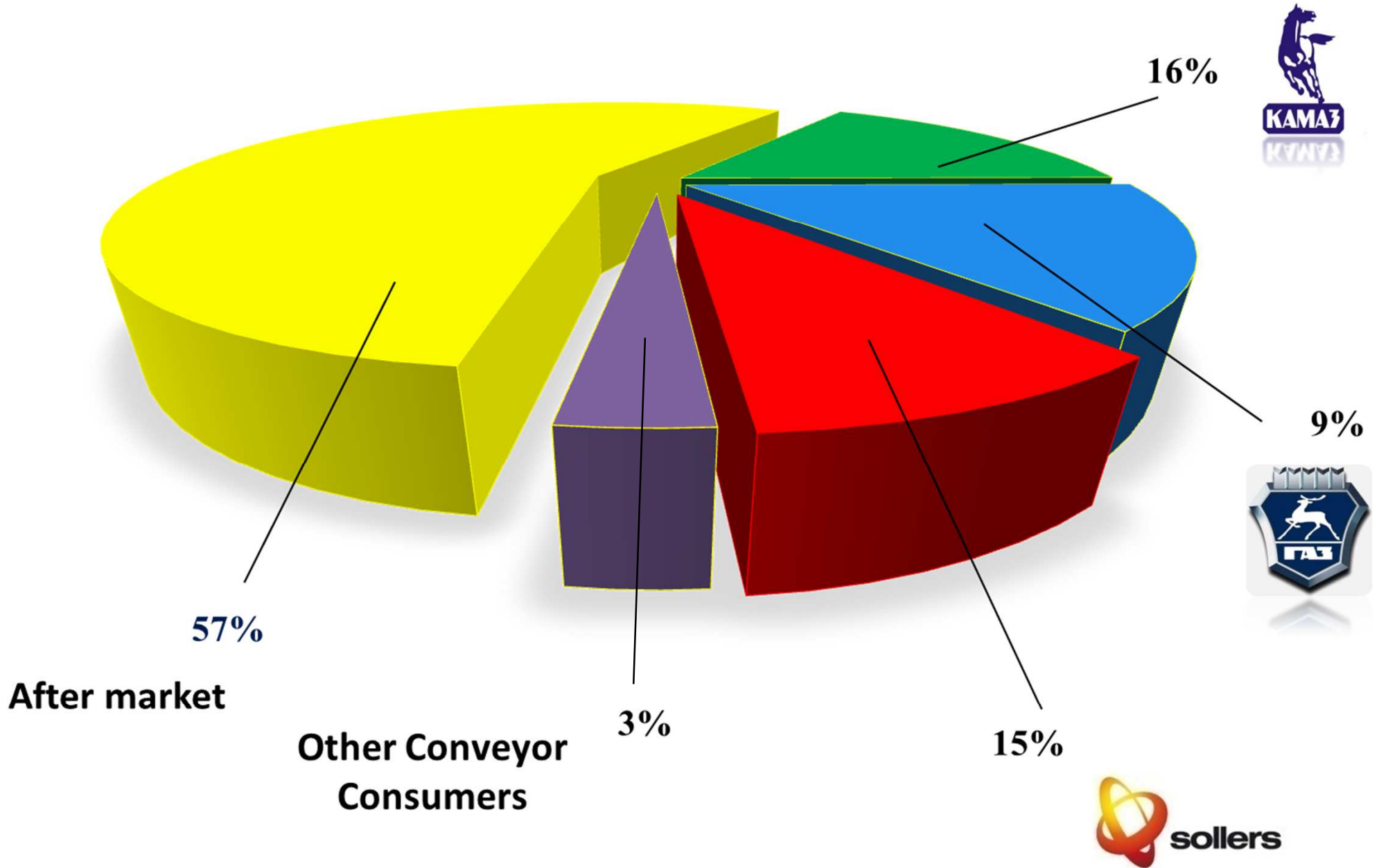
**ABS sensors, washer,
smart switch- JSC «Ekran»**



Structure of sales in Belarus market



Structure of sales in Russian market



JSC «BATE»- managing company of the Holding «Automotive components»

Company is a specialized enterprise on design and manufacture of starters and alternators for engines of trucks and passenger cars, buses, agricultural and special-purpose machinery. Manufacturer of XPS panels.



Production capacities (units per year):
Starters - 1 000 000
Alternators – 500 000
panels BATEPLEX – 180 000м3



Certification of quality management system



Name of the certificate	Certificate it is valid to
EN ISO 9001:2015	2021.09.06
IATF 16949:2016	2021.09.06



JSC «BATE»- managing company of the Holding «Avtomotive components» Alternative Products

XPS-panels BATEPLEX

Extruded polystyrene BATEPLEX has a wide range of applications. It is ideally suited for solving the problems of heat saving, for use in energy-efficient construction. The active using of XPS in construction is a stable trend of last years, because of the wide options for its using: insulation of houses (walls, roofs, foundations, facades, floors, loggias and balconies), thermal insulation of auto-, railroads and airfields, ice mirrow insulation in ice palaces.



Spraying apparatus *EUROPA*



- ✓ tank: 3000 liters – polyester
- ✓ membrane-piston pump, reinforced, with a protective coating from aggressive surroundings modes. UDOR RO NS 2C capacity of 260 l / min. Firms UDOR (Italy)
- ✓ Field barbell : 24 m with hydraulic fold-out and lifting

JSC «Borisov plant «Autogydrousilitel»

Manufacturer of steering gear system (pumps, hydraulic cylinders) for cars, trucks, buses, trolleybuses



Production capacity (unit per year):
 Steering gear— 300 000
 Pumps of steering gear— 300 000
 Hydraulic cylinders— 50 000



Certification of quality management system

Name of the certificate	Certificate it is valid to
EN ISO 9001:2015	2021.09.03
IATF 16949:2016	2021.09.03

JSC «Borisov plant aggregates»

Production of turbochargers, pneumatic compressors, pumps, oil filters, etc.



**Production capacity
(units per year):**

Water pumps	-	250 000
Oil pumps	-	200 000
Turbochargers	-	150 000
Pneumatic pumps	-	300 000



Certification of quality management system

Name of the certificate	Certificate it is valid to
EN ISO 9001:2015	12.07.2021
IATF 16949:2016	12.07.2021

JSC «EKHRAN»

Producer of automotive equipment and electronics, anti-lock braking system, sensors, control systems of pneumatics suspension.

Production capacity (units per year):
Automotive equipment and electronics— up to 1 000 000



Certification of quality management system

Name of the certificate	Certificate it is valid to
EN ISO 9001:2015	16.09.2021
IATF 16949:2016	16.09.2021

JSC «Vitebsky zavod elektroizmerytelnykh priborov»

Production of electric equipment, dash boards, indicators, speedometers, tachometers, accelerator pedal of the car.



Production capacities (units per year):
Electric equipment – up to 1 mln.



Certification of quality management system

Name of the certificate	Certificate it is valid to
EN ISO 9001:2015	02.12.2021
IATF 16949:2016	02.12.2021

JSC «Belcard»

Production of card shafts, gimbal drives, shock absorbers, steering linkage, brake chambers, gas springs and etc..



**Production capacities
(units. / year):**
 Cardan shafts – 500 000
 Gimbal drives – 150 000
 Shock absorbers – 250 000
 Gas springs – 150 000
 Steering linkage – 100 000



Certification of quality management system

Name of the certificate	Certificate it is valid to
EN ISO 9001:2015	2021.08.13
IATF 16949:2016	2021.08.13

JSC «Avtoprovod»

Production of mounting, auto tractors, control, uninsulating flexible and other wires and cables



Production capacity:
5 500 tons of copper



Certification of quality management system

Name of the certificate	Certificate it is valid to
EN ISO 9001:2015	2021.07.11
IATF 16949:2016	2021.07.11

JSC «Rudensk» JSC «Radiotechnika»

Enterprises specialized on R and D manufacturing of lighting products for automotive and tractor industry

Production capacity (units per year):
Lighting products – up to 1 mln.

Certification of quality management system

	Name of the certificate	Certificate it is valid to
JSC «Radiotechnika»	EN ISO 9001:2015	2021.02.22
JSC «Rudensk»	IATF 16949:2016	2021.12.20



JSC «REMIZ»

Production of air filters for cars with diesel engines, parts for road machinery



Production capacities (units per year):
Filters – 40 000



Certification of quality management system

Name of the certificate	Certificate it is valid to
EN ISO 9001:2015	2021.11.29
IATF 16949:2016	2021.11.29



Creation and development of competence in the field of production of components for cars

Development of competence in the field of production of auto components operating under the control of dashboard car systems

Creation of modern "flexible" production of auto components that meet the world quality standards in the field of automotive industry

The development of the European and Middle Eastern markets and further expansion of the supply geography and achievement the export levels no less than 70%

Expansion of cooperation ties, creation of joint ventures of automotive components with foreign partners

Implementation of corporate PLM and ERP-systems to ensure continuous management of product lifecycle and enterprise business

Centralization of forging and tool production, transport, auxiliary industries, etc.

The strategic development directions requiring the competent partners are:

- The development of production of steers with the electric booster for cars
- The development of production of steers with the electrohydraulic booster for trucks
- The development of production of head optics for cars with adaptive lighting.
- The development of production of gas-filled absorbers for cars with creation of the automatic site of assembly.
- The development of production of autocomponents from carbon fiber.
- The development of the production of the new size of generator of elevated capacity
- The development of production modern without collector of engines
- The development of production of display panels without analog devices

The offered cooperation options

1

CKD assembly of
knots



Production
localization

2

Acquisition of modern production technology

3

Purchase of shares of holding

4

Creation of coproduction with foreign partners

5

Entrance of the foreign investor to the list of shareholders

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«Automotive components»

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Thank you for attention!!!