

LIMITED LIABILITY COMPANY “KINESHMA AUTOMOTIVE COMPONENTS” (LLC KAC)

*Kineshma, Ivanovo Region, Russia
2020*





Type of Ownership and Company General Data

Organizational-Legal Form –
Limited Liability Company

Authorized Capital:
Vyacheslav M. Maleev – 100 %

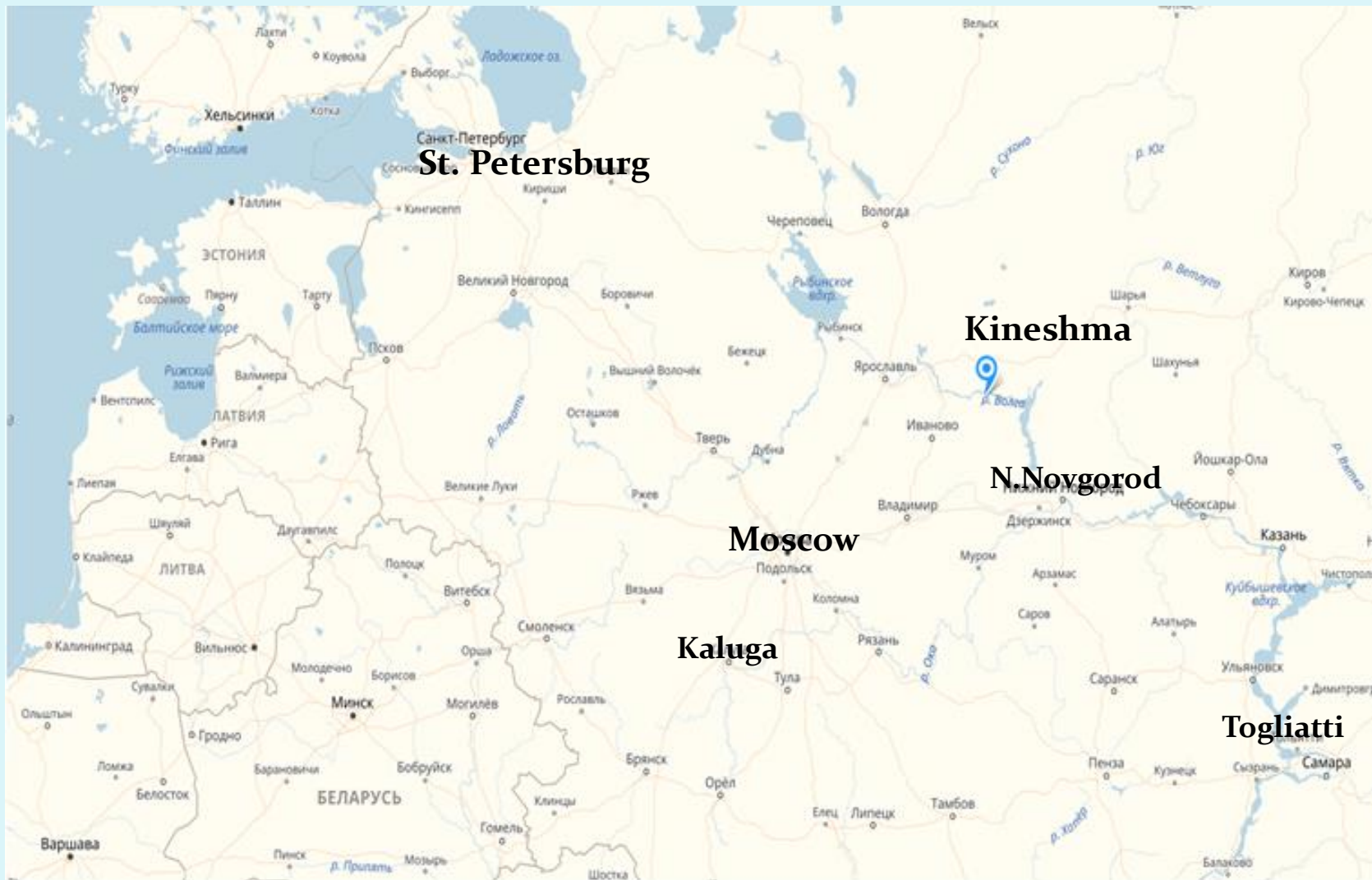
LLC KAC – manufacturing company

General Director: Andrey L. Smirnov
Headcount: 386

Total headcount

Blue	White
306	80
386	

Geographical location



AvtoAgregat - KAC Brief History

- **1967** – established as AZLK subsidiary for mini-car production
- **1988** – AA - principal braking and suspension supplier to AZLK, selected as a site for new engine components factory, expansion of foundry and forging capacities;
- **1992** – Privatized under name of OAO AvtoAgregat (AA)
- **1996** – crisis and opportunities
 - AZLK ceases the production of cars
 - AA starts serial deliveries to TRW Automotive
 - AA supplies to assembly lines of VAZ, GAZ, UAZ
 - **1999** – certification to ISO 9001:1994
- **2000** – certification to QS-9000 by TUV-CERT
- **2003** – AA bought by «Russian Automotive Components», Ltd. (RAC)
- **2004** – AA spins off piston business as Kineshma Automotive Components (LLC KAC) certified to ISO 9001:2000
- **2005** December– AvtoAgregat and KAC acquired by the Industrial Group AvtoKom
- **2007 February** – KAC certified to ISO/TS 16949:2002
- **2009 -2010** – restructuring, transfer of AA production facilities to KAC (ball pins, suspension springs, stabilizer bars, etc)
- **2014- present time** – significant increase of piston delivery volumes to global market. Capacity growth, purchase of additional equipment .Certified to IATF 16949 in April 2018
- **November 2019** – launch of an additional phosphating line
- **December 2019** – launch of a new project of cold-formed springs



Key products and services



- Suspension springs
- Stabilizer bars
- Chill and pressure casting
- Stamped parts (incl. welded)
- Ball pins
- Fasteners



- Braking components
 - pistons
 - hydraulic cylinders
- Blasting fuses for oil industry
- Tooling, dies, molds, gages



Key equipment

Caddy shearing press – 2 pcs



**Forging press K 8240 (1000 to)
– 3 pcs**



**Forging press Schuler (630 to)-
2 pcs**



Stamping press Erfurt



Key Equipment

Lathes:



CNC machines



Key Equipment

Chroming line EGA (soft chrome)



Phosphating line Blasberg



Key Equipment

Heat Treatment

Annealing oven Degussa



Tempering oven



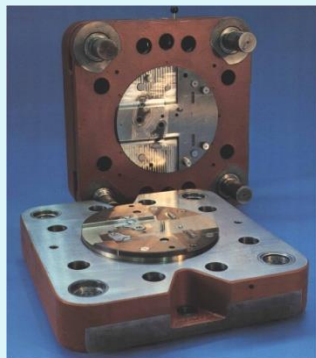
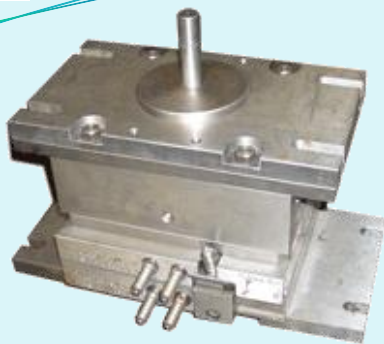
Normalization (annealing) oven (3 pcs)



Electric oven SKZ



Tooling production



KAC tooling shop has CNC metal-cutting machines; grinding machines, machining centers from «Studer», «Overbec» (Switzerland), «Urawa»(Japan); electrical discharge machines «Agie» (Switzerland), «Sodick» (Japan); copy-milling machines «Starrag»(Switzerland).

The shop is capable of producing the following types of tooling:

MOLDS: for plastic molding, aluminium and investment casting;

DIES: blanking , bending, drawing, stamping, precision, progressive, combined and forging dies;

Cold forging tools: die blocks, punches, punch holders, ejectors, transfer clamps, feeding rollers, hard alloy drags, cutting blades.

Cutting tools: cutters, drill bits, reamers, countersinks, tappers, thread rolling tools.

Heat-treatment for all types of material:

Tempering, carbo-nitriding, nitriding

Manufacturing equipment for cold-formed springs (New project launched in 2019)

Coiling of spring



**Automated cold coiling module
TK-5200**

**Low-temperature
tempering**



**Through-type furnace for
low-temperature tempering**

Shot-peening treatment



**Shot- peening machine for
suspension spring**

Manufacturing equipment for cold-formed springs production

Surface treatment



**Automatic
installation of
surface treatment
with zinc phosphate
coating**

**Paint coating of
springs**



Powder coating line

**Powder paint
polymerization**



Dryer

Launch of a new painting line with prior surface treatment



Manufacturing equipment for cold-formed springs

Automatic line for cold-formed springs production



Additional phosphating line (installed and commissioned in 2019)



Production capacities

Production capabilities for ball pins, suspension springs, sway bars, pistons

Product	Forecast capacity from 2020	Comments
<i>Ball pins:</i>	5000 K pcs	
<i>Ball pin blanks:</i>	12000 K pcs	Cold forging process
<i>Suspension springs:</i>	2800 K psc	Launch of a new project of cold-formed springs
<i>Sway bars</i>	1100 K pcs	New project to start from 2020
<i>Caliper pistons (front)</i>	11000 K pcs	
<i>Chill casting</i>	120 tons	
<i>Pressure casting</i>	700 tons	

Key Customers

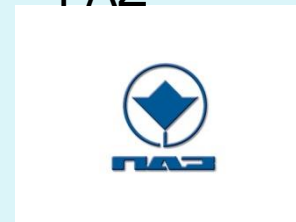
«AvtoVAZ»



«GAZ»



«PAZ»



«GM-AvtoVAZ»



«UAZ»



ZF TRW Automotive



«Avtostandart»



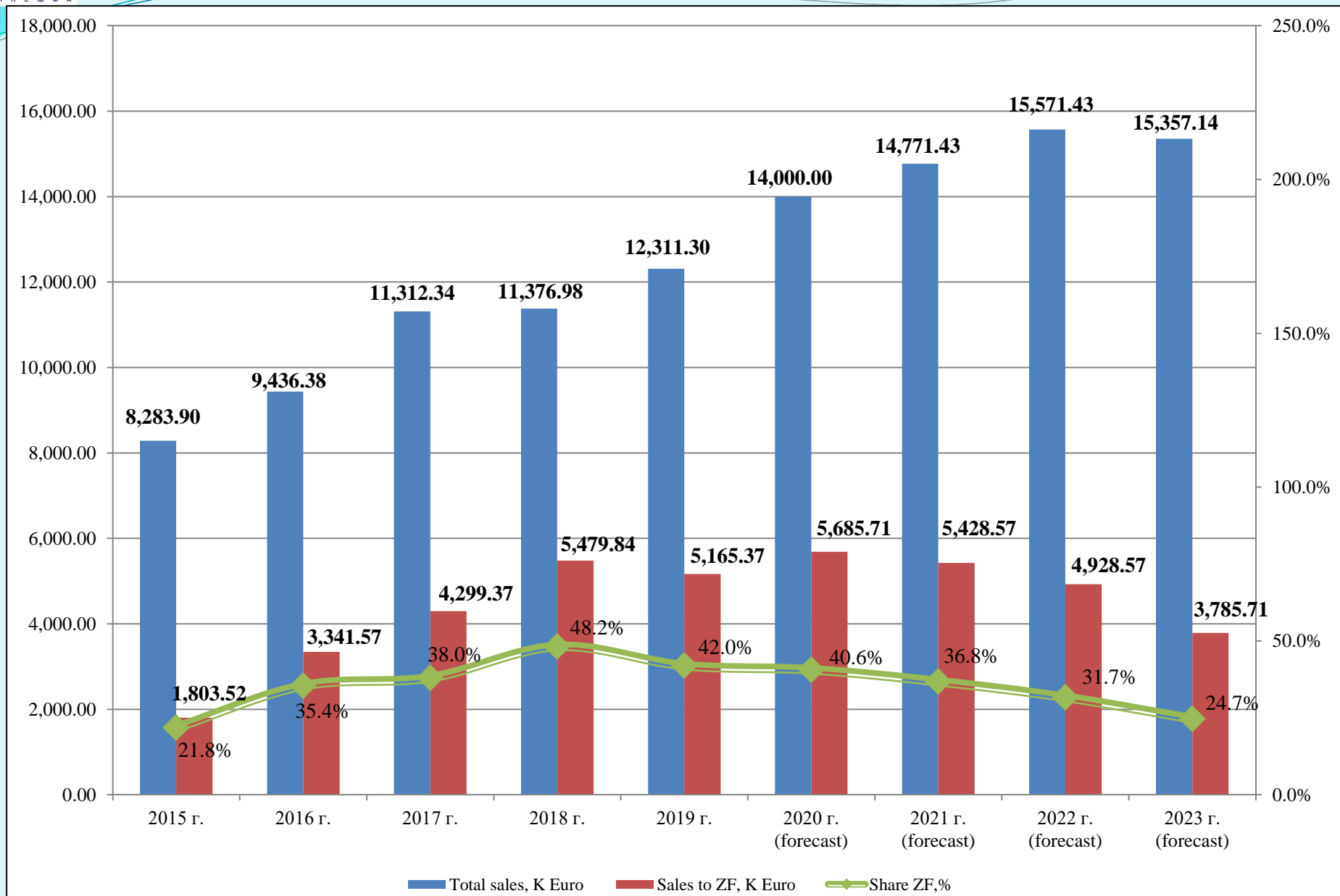
Fenox Global Group



«VIS»



Total KAC sales in 2015-2023, EURO



November 2000 – AvtoAgregat certified to QS-9000:1999

(by TUV-Cert)

June 2004 – AvtoAgregat and KAC certified to ISO-9001:2000

(by BVQi, Russia)

January 2007 – KAC certified to ISO/TS 16949:2002

(by DQS, Germany)

May 2015 – KAC certified to ISO/TS 16949:2009 (by DQS, Germany)

April 2018 – certification audit to IATF 16949

April 2019 – compliance audit to IATF16949

July 2020 – compliance audit to IATF16949 (with product design)

Currently KAC is being prepared for certification audit ISO 14001 «Environmental management systems».



Kineshma automotive components

**Positioning ourselves as the supplier
of automotive components, we can
offer the following advantages:**

- production experience;
- flexible equipment ;
- effective quality management system;
- skilled personnel.

***Become our partner, and our
relations will be mutually beneficial!***



General Director

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Commercial Director

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