



The world's largest manufacturer of mining dump trucks



CEO
Parkhomchik Petr Alexandrovich

OJSC BELAZ is a Management Company of Holding BELAZ-HOLDING that provides development, production and servicing of heavy transport equipment used in mining and construction industries. Belarusian Autoworks has a rich history. It's continuously developing production and constantly expanding the range of manufactured equipment. The production capabilities of the company are determined by the widespread use of information technology and computer-controlled equipment.

Key points

The company was founded in 1948, and in 1958 was named "Belarusian Autoworks". In 1960 it began designing mining dump trucks BELAZ with radically new design created for the development of mineral deposits using surface mining. September 14, 1961, the plant produced the first 27-ton BELAZ-540. The first dump trucks produced by BELAZ – 27-ton BELAZ-540 and BELAZ-548 with carrying capacity of 40 metric tons participated in the construction of major economic subjects that later has been called by historians the construction projects of the century. The period from

60ies to 80ies of the last century were marked for BELAZ by dynamic growth in production volumes. The company organized the release of dump trucks with carrying capacity of 75-80, 110-120 and 170-180 metric tons. In 1987, BELAZ reached a record output volume by releasing 5299 trucks with capacity from 27 to 120 metric tons. Since 1990, BELAZ has greatly expanded range of products to include dump trucks of new generation with a capacity of 45, 55, 130, 160, 180, 220, 240 and 360 metric tons, as well as special equipment - loaders, bulldozers, recovery tractors, watering trucks, vehicles for steel plants and other

FACT BOX



FULL NAME: OJSC BELAZ - Management Company of holding BELAZ-HOLDING

GENERAL DIRECTOR:

Piotr Parkhomchik

OPERATIONS: Produces and provides service of heavy transport equipment

ESTABLISHED:

1948

EMPLOYEES:

about 8 000 employees

www.belaz.by



equipment demanded by the market. In September 2012, the holding company BELAZ-HOLDING was created. In September 2013, on the eve of its 65th anniversary, BELAZ presented to the mining community a unique invention of plant specialists – dump truck BELAZ-75710 with carrying capacity of 450 metric tons.

Today, the holding company BELAZ-HOLDING consists of:

- OJSC BELAZ - Management Company of Holding "BELAZ-HOLDING"
- CJSC "Mogilev Railway Car Building Plant"
- OJSC "Starodorozhski Mechanical Plant"
- OJSC "Kuzlitmash"

- JSC Slutsk Lifting-and-Conveying Machines Plant
- OJSC BELAZ-SERVICE

Production technologies and main products

OJSC BELAZ - Management Company of Holding "BELAZ-HOLDING" (hereinafter referred to as OJSC BELAZ) provides service and production of heavy transport equipment, including:

- Dump trucks with payload capacity from 30 to 450 metric tons (33 – 500 short tons)
- Off-road dump trucks with hydro-mechanical transmission
- Road construction equipment and mining equipment: loaders, bull-

dozers, recovery tractors, watering trucks

- Underground mining equipment: underground dump trucks, underground loaders, vehicles for the transportation of persons, underground concrete mixers
- Equipment for metallurgical works: slag carriers, heavy load carriers
- Special-purpose vehicles: aircraft tugs, universal chassis, compactors, hydraulic booms, concrete pumps, concrete mixers, electric carts

The production capacities of BELAZ are currently defined by the use of information technology and computer-controlled equipment. Every year, two assembly lines of BELAZ produce more than two thousand vehicles of differ-

ent carrying capacity, which, on request, can be equipped with units and systems from leading manufacturers.

Design and development of mining equipment of the new generation and completion of construction of commercially available vehicles are conducted on the basis of Scientific and Technological Center of the enterprise, which structure includes BELAZ Chief Design Engineer Department, Department of Underground and Road-building Equipment, carrying out production design support in BELAZ branch at the Mogilev Automobile Plant, as well as experimental shop and testing laboratories. Today,

BELAZ has high-tech work environments for design engineers and technologists that allow to conduct a three-dimensional design and technological preparation, which greatly accelerates the process of creating new equipment. The embodiment of design ideas occurs in the production departments of the enterprise. Over 80% of all parts used for BELAZ construction are produced on CNC machines using flexible technology that ensures accuracy and significantly reduces the time of new product development. Complex testing of new equipment and serial production conducted both at the enterprise and in the areas of operation provides customers with

the supply of products of the highest quality.

New developments

Throughout its history Belarusian Autoworks has developed over 500 modifications of dump trucks with capacity from 27 to 450 metric tons, produced more than 136,000 units of dump trucks that were shipped to more than 70 countries worldwide.

Today OJSC BELAZ planned a series of works on creation of new types of equipment. The plans call for manufacturing of prototypes and acceptance testing of trucks with hydromechanical transmis-





sion and payload capacity of 60 metric tons powered by Liebherr engine, 90-ton dump trucks with electromechanical transmission powered by Cummins engine and MTU engine. Next year the company plans to produce a prototype and carry out acceptance testing of aircraft tug with a takeoff weight of 600 tons. For 2016 it is planned to develop the detailed engineering drawings and manufacture dump truck prototype with carrying capacity of 280-290 metric tons. The company specialists are actively working to expand the range of underground equipment and off-road vehicles. It is planned to conduct acceptance testing of the prototype and manufacture pilot batches of articulated trucks with payload capacity of 50 metric tons; manufacture pilot batches and issue a design documentation for production preparation of dump truck with payload capacity of 36 metric tons; manufacture a prototype and carry out tests of dump truck with payload capacity of 25 metric tons with Scania engine; manufacture pilot batches of underground loader with payload capacity of 16 metric tons.

Expansion into new markets

Annually BELAZ supplies equipment to more than 30 countries around the world and throughout all the history of the company the geography of deliveries covered 76 countries on 6 continents. During 2010-2014, BELAZ entered new markets such as Chile, Egypt, Zimbabwe, South Africa, India, Indone-

sia, Serbia and Finland. In January-October 2015, the company has delivered products to 26 countries, including 16 far abroad (non-CIS) countries: Vietnam, Mongolia, Bulgaria, Serbia, Bosnia and Herzegovina, Poland, Angola, Morocco (two last markets are new) and others. It is worth noting the high rate of growth of exports to non-CIS countries, which in January-October amounted to 116.1% (in Europe - 221.7%, in Asian countries - 128.2%) and the high proportion of non-CIS countries in total shipments - 23.8% (January-October 2014 - 17.1%). The company will continue to expand to new markets also in 2016. The supply of BELAZ products are already scheduled to Austria, Turkey, Peru and Mexico.

Mission and values

The company's mission is the production of reliable, quality and price balanced mining equipment and bringing satisfaction and confidence to the consumer and the society. Today the equipment of the company is produced by the fourth generation of BELAZ employees. The company employs more than 8,000 people. Every year in the ongoing process of production expansion, new product development and introduction of new technologies about 2,500 BELAZ employees participate in the training sessions as well as skills upgrading and internships organized by the Training Center of the company.

The company's goal is to provide consumers with reliable products with

excellent quality meeting the requirements and expectations. Company's credo is to improve the welfare of employees through the production and sale of high-quality products.

BELAZ is proud of fruitful cooperation with the world's leading manufacturers of components and the largest mining companies in all corners of the globe. Among them: CUMMINS, MTU, DEUTZ, SIEMENS, MICHELIN, Allison, General Electric, Bridge Stone, and others.

The company has a significant number of awards and certificates for the highest quality, innovation and technology. Over the past few years BELAZ won a national contest of innovation projects in 2013 with the project Mining Truck with carrying capacity of 450 metric tons, AC electromechanical transmission and 4x4 wheel arrangement; dump truck BELAZ-75581 was recognized as the best product of the Republic of Belarus in the market of the Russian Federation (2014); BELAZ was recognized the Best Exporter of the Year at the National Business rating of the leading companies of the Republic of Belarus (2014) and also won the 2014 Swedish Steel Prize competition. In addition, the 450-ton dump truck BELAZ-75710 has become a two-time Guinness Book of Records title holder (The largest two-axle dump truck BELAZ-75710 with hauling capacity of 450 metric tons (992,080 pounds) and The largest mining truck body BELAZ-75710 with the volume of 645.4 cubic meters).

Every year OJSC BELAZ presents its products at major international exhibitions such as BAUMA (Germany), Mining World Russia (Russia), Expomin (Chile), International Mining Exhibition (India), Mining Indonesia (Indonesia), etc. In 2016, BELAZ plans to take part in the largest international exhibition MINExpo International 2016 in Las Vegas. Today the company conducts systematic work on building an economic policy aimed at preserving its place in the market and expansion into new countries. The company is the most proud of its great several thousand strong team creating high-quality and demanded equipment that has been successfully operating for decades on all continents of the world. ■

Written by Madina Turava