

# VIST GROUP

## Implementation of information systems and technology

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**VIST Group** company has been working in the IT market for more than 20 years and has accumulated a rich experience in the development of information systems and the capabilities of working with complex solutions for various applications in mining and metallurgical industries. Company develops software and avionics systems for control of mobile objects.

### MISSION

**Development and implementation of innovative technologies in key sectors of the economy in Russia and CIS**

#### **Increasing**

- *Operations efficiency and safety*
- *Control of equipment usage*
- *Equipment operating life and readiness*
- *Labour productivity*
- *Safety*

#### **Decreasing**

- *Operation cost*
- *Negative staff influence*
- *Maintenance cost*

#### **Main activities**

- Development and implementation of control systems for mining and transport complex :
  - The mining-and-transport complex control system "KARIER" – a software-hardware system for monitoring, control and optimization of processes for the mining company (Resolution ROSTECHNADZOR № PPC 00-28020).
  - Microprocessor control signaling system – a complete system of signaling the train station, working as a part of control system of the SCC and as stand – alone tool to control the movement of rail transport of industrial enterprises (ROSTECHNADZOR Resolution №RRS 00-23731)
  - Automated control of mining equipment system VG MineTruck
  - Load and fuel level control system
- System for analysis and evaluation of mining, mining holding companies and management companies VG Holding
- Service diagnostic system, control of operations and maintenance of equipment VG Service.
- Development and implementation of monitoring and control systems for agriculture and transport companies:
  - Operational monitoring and accounting system of agricultural work VG Farming



- Automated monitoring and recording system of transport VG Fleet.
- Development and implementation of information systems and accounting systems , including:
  - Information and diagnostic system for excavators IDS
  - On-board weighing systems for trucks
  - Weighing device for wheel loaders
  - Tire pressure control system
- Implementation of software for geological modeling and mine planning (SAMARA)
- Development and implementation of safety management at mining enterprises (Uniform Order Book)
- Video monitoring system and collision avoidance system Orloco.
- Audit of mining fleet dispatch and control systems.

VIST Group has access to the project and construction works (certificate number and number P.037.77.1924.02.2010 S.055.77.3683.02.2010).

Since June 2009, VIST Group is a member of the Association of Manufacturers and Users of Equipment and Applications based on Global Navigation Satellite Systems «GLONASS / GNSS – forum».

**In March 2009, the automated control system for mining-and-transport complexes "KARIER" was awarded the Russian Government Prize.**

The company is headquartered in Moscow. Branches are located in Kemerovo (Kemerovo Region), Zheleznogorsk (Kursk region) ,Staryj Oskol (Belgorod region), Krivoj Rog (Ukraine), Magnitogorsk (Chelyabinsk region), Zheleznogorsk (Kursk region), Kovdor (Murmansk region) Minsk (Belarus), Denver, Mass., USA. More than 100 qualified specialists, involved in the development, sales and systems technical support are working in VIST Group.



<sup>1</sup> For the development and implementation in industrial mining enterprises in Russia automated mining and transport complexes management "KARIER" award of the Government of the Russian Federation in the field of science and technology has been awarded the creative team under the leadership of K.N.Trubetskoi.

Offering clients advanced technology and high quality services, the company in recent years has expanded its geography.



**LLC "VIST Mining Technology" - a 100% subsidiary company @VIST Group", created for the project "Intelligent Mine" and is a resident of "Skolkovo"**

The essence of the project is to create the first in Russia and the CIS technology for the extraction of minerals in open cast mining, which does not require the presence of people.

The use of the "Intelligent Mine" and its individual elements entails:

- Increased productivity of mining and transport complex by 15-20%
- Improving mine safety.
- The ability to conduct mining in hard and severe climate conditions.

#### **Among our customers are:**

##### **RUSSIA:**

###### **Coal:**

- JSC "SUEK" (JSC "Primorskugol" , JSC "Cut Tugnuisky", JSC "SUEK-Kuzbass", LLC "East Beysky cut|", LLC "SUEK-Khakassia"
- JSC HC "SDS-Coal" (CJSC "Chernigovets", JSC "Cut Kiselevsky", Mine "Salek", LLC "Sibenergougol"
- JSC "Mechel" (JSC MC "SouthernKuzbass")
- JSC "MMK"
- JSC "MC" Kuzbassrazrezugol "(Taldinskayacoalmine, Krasnobrodskycoalmine, coalmineErunakovskaya) JSC «DGK» branch «LuTec»
- JSC "Severstal-Resource": JSC "Vorkutaugol"
- Holding "Sibuglemet" JSC "Mezdyrechie"

###### **Iron ore:**

- JSC "Mechel" (JSC "Korshunov GOK")
- SC «Metalloinvest "(JSC" Mikhailovsky GOK », JSC« Lebedinsky GOK ")
- JSC "SeverstalResources" JSC ("Alcon")
- JSC "NMLK" (JSC "Stoilensky")
- CJSC "SMR" (LLC "SoraGOK) (JSC" Zhireken GOK ")

###### **Base metals , gold:**

- JSC "PolyusGold" - (JSC "Aldanzoloto" GDC ")
- JSC "Polymetal" (JSC "NorthernUralsGold")
- "Russianplatinum" (JSC "ArtelAmur ")

###### **Phosphate fertilizers:**

- JSC "MineralandChemicalCompany" EuroChem "(JSC" Kovdor ")

###### **Transport, dealers, factories, agriculture:**

- JSC «BelAZ»

- Company "IZ-KARTEKS" P.G. Korobkova
- JSC "Mining Finance Company"
- LLC «KuzbassBelAvto»
- JSC «Kuzbassenergo»
- SDS-Agro (LLC Agrofirma "Razgulay", LLC "Alchedat", LLC "Chebulinskoe", LLC "Pokrovskoye", JSC "Vaganova", JSC "Titus", LLC "Kursk, Smolensk" and LLC "Kubitet").

**Ukraine:**

***Iron ore:***

- JSC "ArcelorMittalKrivoyRog"
  - «MetinvestHolding" ("JSC" Inguletsky GOK ", JSC" NorthernMining ", JSC" CentralMining ", JSC" SouthernMining ")
  - JSC «MMK Ilich»

**MONGOLIA:**

***Copper ore:***

- «EnterpriseErdenet»

**Republic of Kazakhstan**

***Iron ore***

- ENRC JSC "SSGPO", JSC "Kazchrome" - Donskoy

***Base metals, gold:***

- JSC "Polymetal" (JSC "Varvarinskoye")

«VIST Group» is the main supplier of avionics for dump JSC "Belarusian Autoworks" (BELAZ)

Successful implementation of projects of varying complexity and specificity provided by:

- Experienced and skilled employees
- Partnership with the customer
- Use of equipment and systems for leading manufacturers (direct interaction)
- Optimizing considering features of the object of the customer

"VIST GROUP" works closely with well-known companies, including: TAMTRON Oy, Orlaco, Aplicom Oy, 3Com, CiscoSystems, IBM, Motorola, ORACLE, VULCAN, Motecand other.