



uninterruptible power supply systems

GC*L*ITION  
TIME OF TECHNOLOGY



SISTEMY  
BESPEREBOJNOGO  
PITANIYA

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# GROUP OF COMPANIES



uninterruptible power supply systems

## VOLTAG LLC

Engineering of uninterruptible power supply systems for industrial facilities



## GC LITATION LLC

Russian manufacturer of lithium batteries and supplier of lead-acid batteries



SISTEMY  
BESPEREBOJNOGO  
PITANIYA

## SBP LLC

Russian developer and manufacturer of uninterruptible power supply systems of direct and alternating current



# OUR COMPETENCIES

## TECHNICAL AUDIT

Preparation of technical solutions

- Highly competent Engineering Department
- Flexible solutions, unique approach to each project

## ENGINEERING AND MANUFACTURING

Engineering, manufacturing and delivery to the site

- Extensive experience in supplying the largest enterprises of the gas, oil and electric power industries

## INSTALLATION

Installation and pre-commissioning

- In-house commissioning department with the ability to quickly arrive to any site

## SERVICE

Service and warranty maintenance

- Online tech support
- Spare parts warehouse with minimum delivery time



# PRODUCTION CYCLE



1



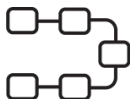
Customer communication

2



Manufacturing planning

3



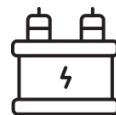
Development of design documentation

4



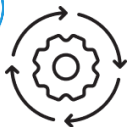
Purchase of components

5



Input inspection of components

6



Manufacture of equipment

7



Factory acceptance test

8



Packaging and storage of finished products

9



Transportation of finished products

# PRODUCTS

UNINTERRUPTIBLE POWER  
SUPPLY UNITS



RECTIFIER CHARGER



VOLTAGE INVERTER



MODULAR UPS



LITHIUM BATTERIES



LEAD-ACID BATTERIES



ENERGY STORAGE SYSTEMS



RESEARCH AND DEVELOPMENT



# CLIENTS



# LUKOIL

Provision of uninterrupted power supply to the lubricants warehouse of LUKOIL Lubricants Central Asia (UPS 400 kVa)

## Solution

400kVA Modular UPS

## Equipment requirements

- Installation supervision and commissioning
- 400kVA UPS unit capacity
- Short production terms

## Project

In September 2019, the most advanced lubricants production facility in the CIS was launched. The LLCA plant is a subsidiary of LLK-International LLC, the leader of the Russian lubricants market and meets the needs of the Central Asian region, namely Kazakhstan, Kyrgyzstan, Uzbekistan, Turkmenistan, Tajikistan, Mongolia, Afghanistan and China.



MODULAR  
UPS



LEAD-ACID  
BATTERIES





Provision of uninterrupted power supply to infrastructure facilities of Rosatom subsidiaries

## Solution

30kVA modular UPS and 100Ah lithium battery

## Equipment requirements

- Applications of Lithium-ion Batteries
- Up to 80% less weight and dimensions than classic batteries for the same amount of battery life
- Maximum Discharge Current 3C
- PCB Protective Coating
- Battery cells monitoring

## Project

Rosatom Corporation is the national leader in electricity generation (about 20% of total generation) and ranks first in the world in terms of order book for NPP construction: 33 power units in 10 countries are at various stages of realization.

MODULAR  
UPS



LITHIUM  
BATTERIES





Provision of uninterrupted operation of off-site facilities of the Amur Gas Chemical Complex

## Solution

Uninterruptible power supply unit from 10 to 120 kVA

## Equipment requirements

- Special design of the cabinets
- Nordic Packaging
- Galvanic isolation at input/output
- Acceptance of equipment in accordance with the inspection and test plan

## Project

The Amur Gas Chemical Complex is an enterprise under construction 15 km from the city of Svobodny in the Amur Region. The plant will produce polyethylene and polypropylene of various brands from ethane, propane and butane, which will come from the neighboring Amur Gas Processing Plant. The plant will be the most powerful in Russia in terms of productivity and one of the world's largest enterprises for the production of basic polymers.

UNINTERRUPTIBLE  
POWER SUPPLY  
UNITS



LEAD-ACID  
BATTERIES



# Baltic Chemical Complex

Provision of uninterrupted operation of the substation and technological processes.

## Solution

Uninterruptible power supply units from 20 to 80 kVA

## Equipment requirements

- 3-in-1 Uninterruptible Power Supply Transformer
- Parallel operation of systems, 2N redundancy
- Galvanic insulation of all system components (input, output circuits, bypass)
- Delivery of equipment according to quality plans to a foreign vendor (Bilingual documentation form)

## Project

The Ethane Gas Processing Complex (EGPC) is a flagship investment project of modern Russia to create one of the world's largest clusters for deep processing of hydrocarbon.



UNINTERRUPTIBLE  
POWER SUPPLY  
UNITS



LEAD-ACID  
BATTERIES



Provision of uninterrupted operation of the gas transmission system

## Solution

Uninterruptible power supply systems from 20 to 80 kVA for power supply to special category consumers

## Equipment requirements

- 40 kVA / 40 kW modular UPS (Pf = 1);
- Battery cabinet with battery for 30 minutes of autonomy;
- IP21 dust and water resistance;
- Remote control and monitoring of the UPS;
- Monitoring of the environmental condition of the battery group.

## Project

The largest gas pipeline to deliver natural gas from fields in the north of Western Siberia to the republics of the Union, Central and Western Europe. The pipeline crosses the Ural Ridge and more than six hundred rivers, including the Volga and Don rivers. The total length of the pipeline is 4451 km.

UNINTERRUPTIBLE POWER  
SUPPLY UNITS



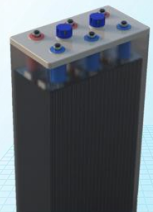
CHARGING AND RECTIFYING  
DEVICES



VOLTAGE INVERTERS



LEAD-ACID BATTERIES



# OUR EQUIPMENT IS USED



## LUKOIL

Providing uninterrupted power supply to the warehouse LUKOIL Lubricants Central Asia.



## NOVATEK

Development of the Salmanovskoye (Utrenneye) oil and gas condensate field. Provision uninterrupted power supply ACS and emergency lighting.



## SIBUR

Providing uninterrupted operation of AGCC plant facilities



## MOSCOW METROPOLITAN

Providing uninterrupted operation of ATCS (automatic train control systems), video surveillance, ACS and AFC systems.



## GAZPROM

Provision of uninterrupted power supply to the facilities of the Eastern Gas Program (Kovykta, Chayanda fields, Power of Siberia pipeline).



## RUSSIAN RAILWAYS

Providing uninterrupted operation of communication systems



## ROSATOM

Providing uninterrupted power supply to infrastructure facilities of ROSATOM subsidiaries.



## TATNEFT

Power supply of cellulose manufacturing unit, power supply of substation operational interlock circuits.



## ROSNEFT

Providing uninterrupted operation of the technological process.

# OUR EQUIPMENT IS USED



## SLAVNEFT-YANOS

Providing uninterrupted power supply to the process vacuum distillation unit fuel oil.



## MOESK

Providing uninterrupted power supply to automated workstations.



## Infectious Disease Hospital

Uninterrupted power supply to treatment units, intensive care units, laboratory, oxygen station, etc.



## CPC

Provision of uninterrupted power supply to critical facilities of the CPC Marine Terminal and trunk pipeline facilities.



## RusHydro

Provision of Power Supply to PS 110/35/6kV Komsomolsky in Pevek, Chukotka AO.



## MIG

Providing uninterrupted operation of production processes of MiG Aircraft Corporation.



## BALTIC CHEMICAL COMPLEX

Providing uninterrupted operation of the substation and technological processes.



## TANECO

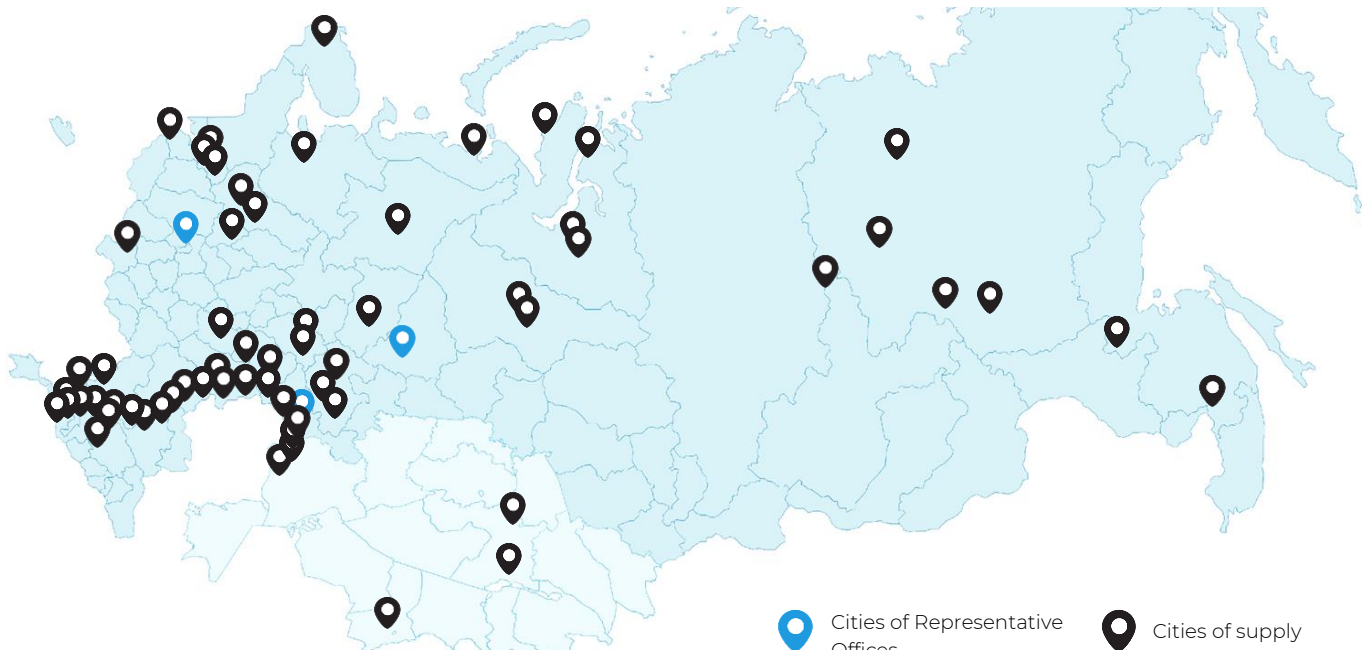
Providing uninterrupted refining and production of petroleum products.



## ROSSETI

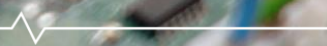
Providing uninterrupted power supply to the point of the Russian television and radio broadcasting network.

# GEOGRAPHY OF SUPPLIES





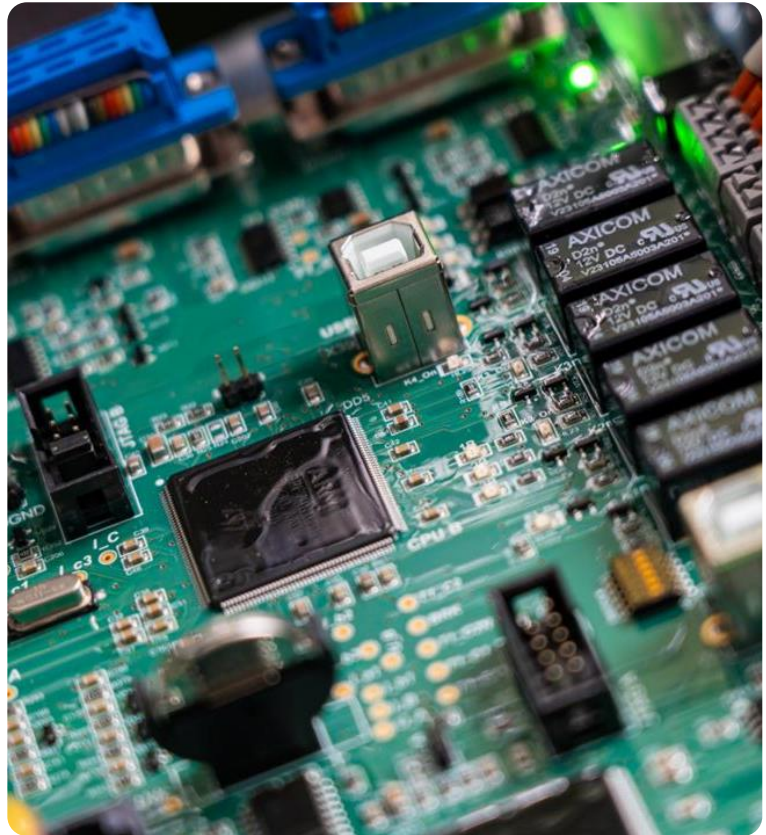
**OUR  
ADVANTAGES**





# INTELLECTUAL PROPERTY

- Control algorithm
- Mechanical models
- Electrical schematic
- Printed circuit board design and manufacturing



# OWN PRODUCTION

- Production area: 1200 m<sup>2</sup>
- Number of employees: 70 people
- Production capacity: up to 500 units of equipment per year



# CERTIFICATES



## ACTING

- Technical Regulations of the Customs Union (TR CU)
- Fire safety
- Industrial safety
- Quality Management Systems
- INTERGASCERT
- 20g external shock wave tests
- License for the right to manufacture equipment for Nuclear Power Plant

## IN THE PROCESS

- Certificate of Country of Origin
- Supplier Register of PJSC Gazprom Neft



# SERVICE

## QUALIFIED STAFF

Location - Yekaterinburg, Moscow, Orenburg

## WAREHOUSE AVAILABILITY

Spare parts and accessories for repairs and scheduled maintenance

## ACCESS TO ALGORITHMS AND SOFTWARE

Technical support from the development department



# TEAM

## TEAM OF QUALIFIED

employees with years of experience in the industry

## SUPERVISOR

candidate of Technical Sciences, Associate Professor  
of the Department of Industrial Electronics

## HIGHER TECHNICAL EDUCATION

is available to most of our employees

## UP TO 100 PEOPLE

increased the staff of the group of companies in 2023





# CONTACTS



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Karpov**

**CEO VOLTAG LLC**

The company was founded in 2015 as a supplier of uninterruptible power supplies.

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**Vladimir Arsenievich  
Ignatiev**

**CEO SBP LLC**

The company was founded in 2018 as a manufacturer of DC and AC uninterruptible power supply systems.

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**Alexei Alexandrovich  
Agapov**

**CEO LLC GC Lithion**

The company was established in 2022 and specializes in lead-acid and lithium batteries.

**Address:** 32, Montazhnikov St., Orenburg.

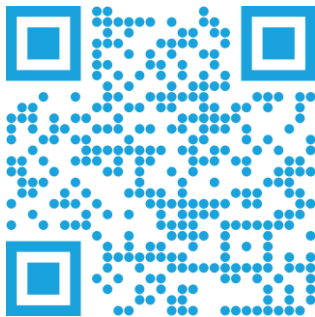
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**We will be glad to see your decision to  
become our client!**