

BRIGHT
ENGINEERING

Who are we?



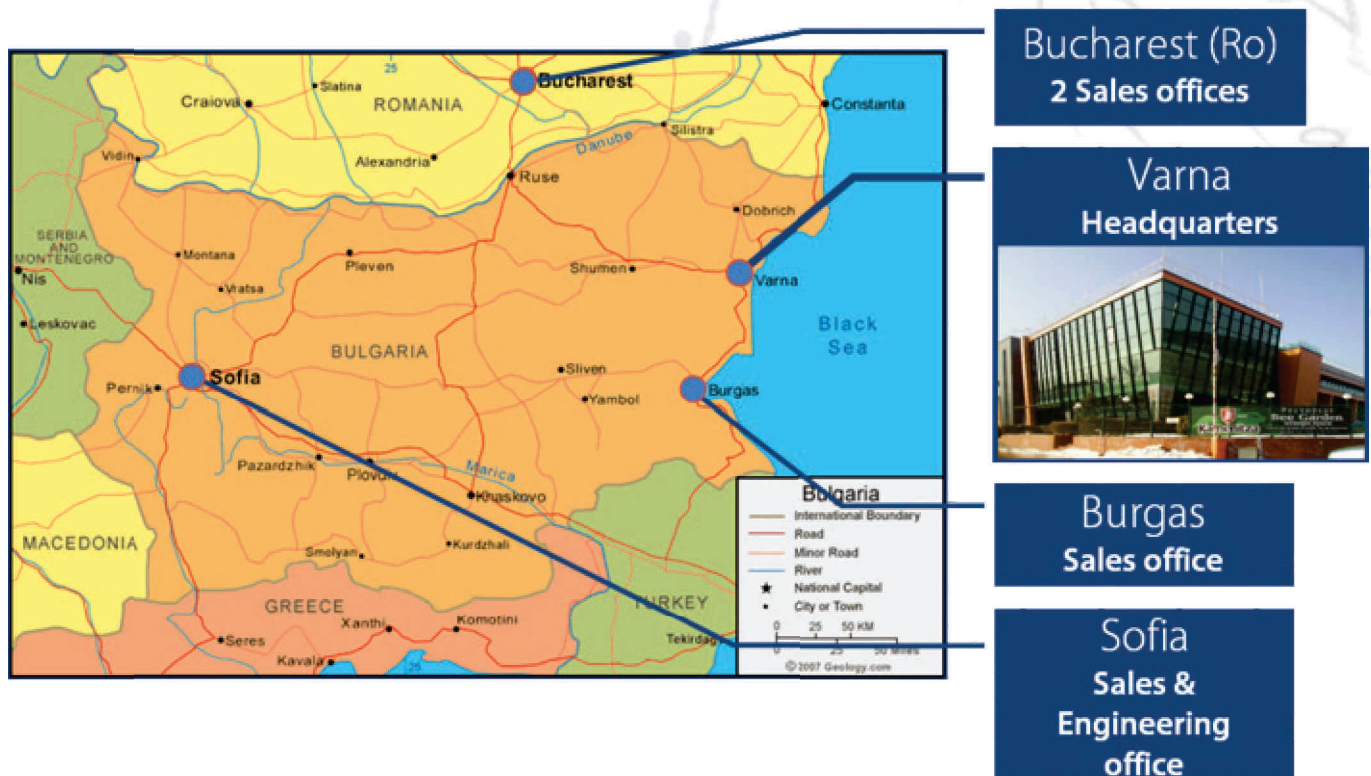
Bright Engineering Ltd. was established in May 1999 by the automation engineer Mr. Dinko Zhelev. Being one of the pioneers in implementation of automated control systems and modern field instrumentation in the chemical industry in Bulgaria, Dinko Zhelev invested his knowledge and experience in the development of the company and strengthening its position.

For the period from its establishment until present day, the company has become one of the market leaders in Southeast Europe in different areas of industry: industrial equipment, instrumentation, heating systems, monitoring systems for turbines and compressors, equipment for potentially explosive atmospheres, analytical systems, project management, maintenance optimization and construction of complete industrial installations.

Guided by our belief in sustainable development, we strive to develop technology, relying on the people. Bright Engineering team is composed of 61 highly qualified specialists, 53 of them - engineers. Over 80% of the company's annual profit are reinvested in equipment, production facilities and most of all - in improving the qualification and remuneration of the people, working in the company.

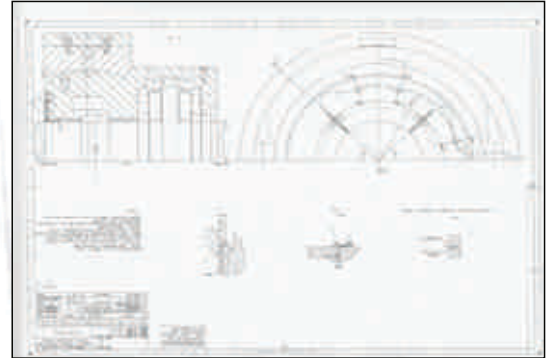
Our mission and philosophy is to be a provider of complete "turn-key" engineering solutions to our customers.

Where are we located?



Engineering

- Design and Engineering in Mechanical, Electrical and Automation parts
- Development and design of systems for vibrations monitoring
- Development of technological and conceptual projects
- "Turn-key" projects implementation



Production

- Electrical panels
- Electric installations
- Automation systems
- Rotating equipment
- Analytical equipment
- Measuring skids

Installation and commissioning, diagnostics and repair

- Installation, commissioning and start up of electrical and automation systems
- Construction of systems for vibration monitoring
- Construction of systems for continuous monitoring of emissions
- Construction of systems for automated control
- Installation and commissioning of specific rotating equipment
- Diagnostics and repair of rotating equipment
- Construction of electric heat distribution lines

Commercial representations

- Monitoring and vibration analysis
- Analytical equipment
- Explosion-proof equipment
- Automation equipment
- Rotating equipment
- Heat tracing systems and control



Commercial representations



Bright Engineering is an official representative for Bulgaria of some of the global leaders in different fields of industrial equipment:

R.STAHL

A complete range of explosion-proof equipment. From individual components to complete systems.

Key sectors: oil and gas, chemical and pharmaceutical industry, food industry, shipbuilding industry and others.



www.r-stahl.com

Emerson

Asset performance management
Machine vibration monitoring and diagnostics.
Online protection systems and sensors.



Intertec-Hess

Protection systems for field equipment.

Protective boxes, cabinets and shelters, providing excellent thermal insulation properties combined with high structural strength and durability.



www.intertec.info

SICK

Sensors and sensor solutions for industrial applications.

Some typical products are gas analyzers, ultrasonic flowmeters, systems for emissions monitoring.



Thermon

Industrial and steam heat distribution systems.



www.thermon.com

Peppers Cable Glands

Explosion-proof and industrial cable glands.



www.cableglands.com

Certifications

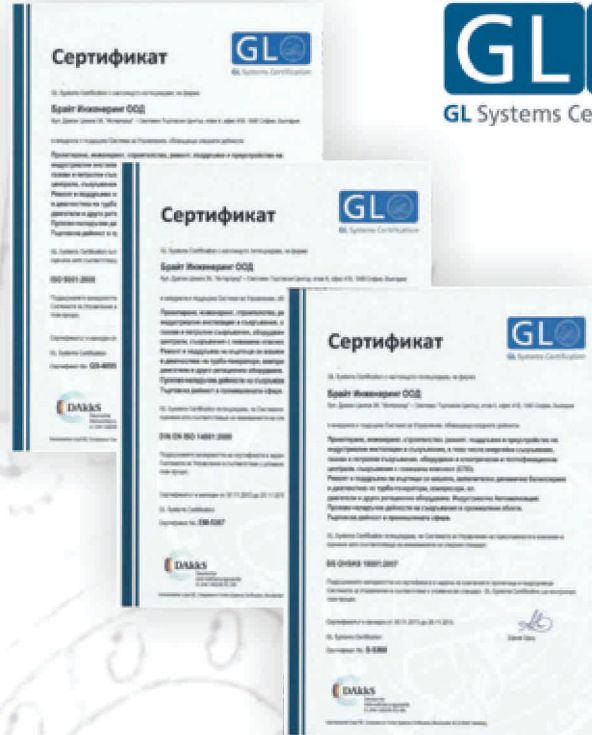


Company certificates:

ISO 9001:2008;

ISO 14001:2009;

BS OHSAS 18001:2007



Certificates from Bulgarian Construction Chamber - third group, for structures from first to third categories and first group, for structures from first to fifth categories.

Certificate from the Bulgarian Agency for Metrological and Technical Surveillance

Certificate from The Chamber of Commerce and Industry of Varna



Main served industry branches



We offer complete solutions from design to “turnkey” implementation for the following industrial branches:



- Oil & Gas
- Power Generation Industry
- Refining

- Chemical Industry
- Pharmaceutical Industry



- Steel and Copper Industries
- Cement Industry
- Paper Mill
- Biodiesel & Bioethanol

- Distilleries
- Food and Beverage Industry



Turnkey projects

- Slunchevi Luchi Corn Oil Factory, Bulgaria - Detailed design, construction, delivery, installation, commissioning and startup of instrumentation and electrical equipment;
- Agropolychim Fertilizer Plant, Bulgaria - Reconstruction of the nitric acid plant;
- Neochim Fertilizer Plant, Bulgaria - Reconstruction of the ammonia plant;
- Bulgartransgaz, Bulgaria - Design, delivery and startup of Automation part of Rousse metering station, part of interconnection natural gas pipe between Bulgaria and Romania;
- Lukoil Neftochim Burgas Refinery, Bulgaria - Design, delivery and startup of 2.3 MW flue gas fan and 4 pcs. of gas blowers;
- Oil Tanking Bulgaria – New Sulphur Acid Tank and Power Supply;
- Monbat Recycling Plant, Romania - Design, delivery, installation and startup of complete heat tracing system for recycling plant.

SCADA and Automation

- Veolia Energy Varna, Bulgaria - Design and installation of Automatic Control System of a boiler unit and automation of deaerator unit;
- Oil Tanking Bulgaria - Repair, reconstruction and erection of systems – PLC configurations and SCADA visualizations;
- Toplofikatsia Sofia Thermal Power Plant, Bulgaria - Erection of automation system for control of thermo-hydraulic regime in DHR “Sofia East”.

Condition monitoring and protection systems

- Honeywell S.R.L., Italy - Design, delivery and commissioning of the GE Bently Nevada Machine Monitoring and Protection System for the Staatsolie Refinery Expansion Project – Paramaribo - Suriname;
- Petrotel Lukoil Refinery, Romania - Design, delivery, installation and commissioning of the GE Bently Nevada Machine Monitoring and Protection System for 115 machine units;
- SC General Turbo S.A., Romania - Delivery and installation of 9 vibration monitoring and protection systems Bently Nevada 3500 on 9 turbo-generator units;
- Thermal Power Plant Maritza East 2, Bulgaria - Design, delivery, installation, adjustment and start-up of condition monitoring and protection system for 210 MW turbine blocks № 5, 6, 7 and 8.

Turbine and rotating machinery

- Thermal Power Plant Sofia, Bulgaria - Design, delivery, installation, commissioning and start-up of new turbogenerator TG8A;
- Thermal Power Plant Maritza East 2, Bulgaria - Repair of rotors - HP and MP, replacement of blades and machine treatment of turbine type K-210-130;
- Solvay Sodi Plant, Bulgaria - Repair of steam turbines TG1, TG2, TG5, TG6 and modernization of hydraulic regulation of Tg2;
- Thermal Power Plant Deven, Bulgaria - Repair and balance of generator rotor of 25 MW unit;
- Nuclear Power Plant Kozloduy, Bulgaria - Inspection and balance of generator rotor of 600 MW unit;
- EVN Bulgaria Toplofikatsia, Bulgaria - Inspection and repair of 30 MW turbine-generator № 2.

Emission Monitoring System

- Neochim Fertilizer Plant, Bulgaria - Delivery of Continuous Emission Monitoring System for dust concentration measurement from NH₄NO₃ in the flue gasses emitted into the air for ammonium nitrate production (AC-72);
- Agropolychim Fertilizer Plant, Bulgaria - Installation and start-up of emission monitoring systems in Phosphoric line, Control Systems upgrade. Phosphoric and Ammonia Nitrate plants.
- SICK AG, Germany - Patented design and implementation of automatic cleaning system for dust analyzers FWE200 by SICK

General maintenance contracts

- Oil Tanking Bulgaria - Mechanical, Electrical, Control & Instrumentation;
- SOL Bulgaria (Devnia Technical Gases Plant) - Mechanical, Electrical, Control & Instrumentation;
- Veolia Energy Varna, Bulgaria (TPP Varna Power Plant) - Electrical, Control & Instrumentation;
- EVN Bulgaria (TPP Plovdiv Power Plant): Mechanical, Electrical, Control & Instrumentation; 5 Years Maintenance Contract on Siemens 30MW CAPP.

Others

- R.STAHL GmbH, Germany - Design and construction of Non-Ex lighting panels.

and many more...



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