



Blue Boson

White Paper

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Blue Boson - Game Changer in the area of energy saving and environment.

After over twenty years of research and development, with numerous successful pilot installations in various industries, we introduce a patented flow-through technology that treats water and other liquid, as well as gaseous media on supramolecular level, without use of chemicals. The revolutionary technology is bringing double-digit energy savings in power, heating and cooling production. It gives a remarkable reduction of the CO-emissions, other negative environmental impacts and maintenance cost of pipes and machinery.

“The real revolution within our commercial world is through the path of conscious evolution”

– Robert Zagodzón

The Company

Structure:

holding European Company (SE)

Manufacture:

made in Slovakia and United Kingdom

Operations:

European Union, America and Asia

Number of

Employees: 25+

Valuation:

€1,563,263,945

Investment Strategy:

Implementation of pending projects, providing further research for current uses of the technology as well as applications in additional industries; compensation and operating expenses for the current business; as well as expansion to new markets globally.

Blue Boson SE (“Blue Boson” or the “Company”) is a European joint stock company based in Slovakia and United Kingdom.

The Blue Boson technology was patented in 2006 and perfected by years of research, testing and implementation. Team of successful entrepreneurs and managers decided to professionally commercialize this technology and founded Blue Boson in late 2016. Polish investor/entrepreneur joined team in 2017 and expanded operations to Czech Republic and Poland. After first successful commercial installations and implementation of professional measurement procedures with assistance of independent auditors, the Company is preparing to expand its operations globally.

The technology has been applied to various industrial and environmental projects. Company’s experience includes overseeing the manufacturing of technology, implementation of contracts and projects related primarily to energy savings, non-chemical water treatment, lake or river way remediation, and artificial snow/ice production. The Company focuses on building specialized teams for each type of application of the technology and further commercialization of other applications in various industries.

Blue Boson cooperate with California based group of scientists and researchers, which inherited portfolio of products and expertise left behind by a deceased researcher plan to expand to North American markets. With significant synergies in the operations and future goals and aspirations, joined efforts would result in expanded product portfolio and enriched research and development processes quickly and effectively.

The mission statement of Blue Boson is:
“Making a difference in all areas of life.”

Opportunities

The climate change caused by human activity may have disastrous consequences for our planet. Energy is the backbone of the global economy. Fuels and energy are consumed in the generation of electricity, heating and cooling, as well as in industrial production processes. The manner in which energy is generated and utilized has a profound impact on the quality of the environment, and on the health and safety of the population.

Electricity and heat production industry challenges:

- ❖ 40% of global freshwater is used in the industry
- ❖ A conventional 500 MW coal-fired power plant consumes approx. 26.5m³ of water per minute⁽¹⁾ resp. approx. 13m m³ p.a. – a cost of almost 12m EUR⁽²⁾
- ❖ Extensive use of chemicals in processing water
- ❖ 0,5% of GDP is lost due to fouling in systems
- ❖ Cooling systems don't meet the needs of production
- ❖ Global absence of simple solution
- ❖ Current focus on the consequences, not on the cause

Water – current global conditions:

- ❖ 850m people without access to water
- ❖ 2,3bil without treated water
- ❖ 1m die due to water contamination
- ❖ Water treatment is a complicated process
- ❖ Constantly changing parameters of water
- ❖ High maintenance and distribution costs
- ❖ Incrusts, fouling, corrosion, contamination

Sources:

- (1) *Shu Yuan Pan et al (2018), Cooling water use in thermoelectric power generation and its associated challenges for addressing water-energy nexus*
- (2) *Thames Water (2017), Charges Schedule 2017-2018*

Investing our efforts into developing technologies that provide solutions to the current problems is crucial. Ignoring these issues is not only threatening to our future, but also extremely costly. Reducing emissions to air and water, lower fuel consumption, less greenhouse gases and fewer chemical substances – all this is part of an intelligent business approach.

Blue Boson developed laboratory supported analytical research and provide practical innovative solutions in many industries. The resulting technologies will provide immediate environmental and energy saving solutions for many of the current world challenges. These include many applications for non-chemical water treatment and remediation of polluted rivers and streams. Specific applications of the technology include media and fuel treatment, purifying/desalinating water without the use of toxic chemicals, eliminating algae blooms and de incrustations, corrosion prevention or removal.

Blue Boson technology will revolutionize many conventional methods of treating fluids, specifically by replacing the chemical and biological processes with physical processes. The technology will convert otherwise necessary expenses to savings and profits, restore polluted water and achieve targeted results without harming the environment.

Blue Boson introduces new strategy for energy savings and protection of the environment.

- The need:* A radical solution for today's environmental challenges and a sustainable future.
- The asset:* Pico Technology, combine quantum mechanics and water – bringing advanced technology into the water treatment and heating and cooling systems.
- The solution:* Technology, treating water physically without application of chemicals.

The Technology

The Science behind the Technology

Every element is held together by an attractive force and composition that can be influenced through principles of physics. Through greater understanding of how applied resonant frequencies can impact the behavior of elements within their environment, we broaden our knowledge of the building blocks of our world. With this knowledge, we can replace harmful chemical processes by physical processes and discover new methods of separating elements more effectively. On Earth, every water molecule is composed of two hydrogen atoms and one of oxygen (H₂O). The molecule is bipolar (the hydrogen has a positive charge and the oxygen has a negative charge). The positive part of a water molecule (the hydrogen) will attract the negative part of another molecule (the oxygen) and so on. The attraction between the bipolar atoms of the water molecule is known as a hydrogen link. Due to the hydrogen link, salts and minerals combine with other salts and minerals to build up along the inside of pipelines, in the soil, and also in the roots of plants. By applying the magnetic resonance, the fluid receives vibrations and the hydrogen-oxygen bond between the adjacent molecules is severed. When the hydrogen link weakens, it also permits the dissolution of the salts and minerals.

Blue Boson Technology

On the basis of the magnetic resonance, specific technologies and systems have been developed to address ongoing problems in many areas, such as water treatment, sanitation, river ways remediation, improved growth of agriculture, soil restoration, and increasing gas turbine efficiencies.

The basic principal of how the technology operates is by applying modulated frequency in conjunction with electromagnetic pulses to cause energy changes in molecules, or between atomic particles. To achieve the energetic changes is used the hydrodynamic of flew the water through device. The result of this action (waves and particles) is an energy change that causes changes of the physical properties of the medium flowing through the device. These processes weak the bonds, reduce the surface tension, causes changes in supramolecular structure and change the hydrogen bridges. Its manifested by a change of fluidity, density, heat capacity, evaporation heat, melting temperature and a number of another changes. The device simulates fluids in the same way as the sun in the nature.

Blue Boson technology change parameters of drinking and industrial water without application of chemicals. Free flow device affecting the supramolecular structure of water and change its physical, chemical and biological properties. Blue Boson Effector® device is a hydraulic flow module flange-mounted to customer's system by bypass. The Company's team of engineers tailor make the technology for each project and installation point and adjust the effectivity to customers' needs in order to deliver the best results.

Effects and Benefits

Blue Boson's patent protected revolutionary technology brings value in multiple ways. Major benefits include:

- ❖ physical, non-chemical water treatment
- ❖ Efficiency of the heating system increased by 15% ±5%
- ❖ Water thermal capacity increased by 15% ±5%
- ❖ Water fluidity increased by 3 – 3,7 %
- ❖ Accelerated heat transfer
- ❖ Fuel saved in heat energy generation process
- ❖ Electricity saved in pumps
- ❖ Savings resulting from reduced use of chemicals (REACH implementation)
- ❖ Savings in maintenance costs
- ❖ Savings on gas emissions fees
- ❖ Elimination of formation of incrustations and sediments, cavitation and corrosive processes
- ❖ Enhanced sedimentation and coagulation processes
- ❖ Pipe system life span extended several times

Business Model

The basic business model of the company involves either sale or leasing technology or free installation within the customer's system (including the installation costs, measurement design and maintenance) where savings from reduced costs are subsequently shared with the customer according to an agreed formula. This model is known like ESCO formula. Cost reduction and benefits are evaluated by an independent auditor at several levels: chemical treatment of water, consumption of chemicals, degassing, electricity consumption, boiler efficiency, fuel consumption, condensation, evaporation, system losses, cooling tower efficiency, heat exchange, etc. Customer has two options: either reduce costs in the system or increase its capacity. Both benefits are measurable.

The application aims at achieving a measurable positive effect in the form of savings across individual components of the client's system in a total amount between 15 and 25% on the costs of the generation of electricity and/or heat, or of heat distribution.

Only the measurable positive effects confirmed by the protocols from clients and technology institutes, are considered in final savings calculations. The positive effects in the system occur over time and are assessed based on a measurement project agreed in advance.

We serve two major customer segments with specific revenue models:

- ❖ Energy sector (power plants, heating houses) - 10 years+ contract, sharing of their cost savings 50/50, no CAPEX, no OPEX.
- ❖ Drinking/technological water (removal of incrust and biological sediments) - 10 years+ contract, monthly rent payment of 1000 EUR (annual contract value 12k EUR), no CAPEX, no OPEX.

SWOT Analysis

		Favorable	Unfavorable
Internal	STRENGTHS	<ul style="list-style-type: none"> • Revolutionary and Green Tech (energy saving, and water enhancing) technology: <ul style="list-style-type: none"> → Increases the efficiency and performance of heating or cooling systems up to 25%; → Significantly improves the environment by efficiently cleaning still waters; wells and piping systems (through elimination of incrust), without the use of chemicals; → Changes structure of all liquids and gases - brings new qualities to such media. • Patent protected technology. • Over twenty years of research, 100+ installations in 12 industries (process industry, power plants, food, chemical industry, hotels etc.). • Motivated team of successful entrepreneurs and managers. 	WEAKNESSES
			<ul style="list-style-type: none"> • Ambitious new markets opening plan. • Automated production process for devices under development. • Business model for % sharing profit not in final calculation (individual measurements, annual recalculation, discount policy, etc.) • Lack of universal model for measurement of benefits (often need customization). • Team for expansion not fully in place.
External	OPPORTUNITIES	<ul style="list-style-type: none"> • Research, development and applications in a lot of areas of business and life. 	THREATS
			<ul style="list-style-type: none"> • Insufficient financing.

- The UN declared “clean water and sanitation” a sustainable development goal; this SDG no. 6 is a prerequisite for achieving all other 16 SDGs.
- Power generation and general industry consume 40% of global freshwater and 7% of energy at an enormous cost.
- All electricity generating plants using fossil and gas fuels, independent of their cooling tower and water treatment technologies benefit from Blue Boson technology.
- Limited or non-existent competition – the device is an add-on to an existing water treatment equipment (cost/efficiency enhancer).

- Corruption attitude in business.
- Conservative politics.

The Applications

Protected by Patent No. EP1941216
EU Certificate: 141299091

POWER PLANTS / HEATING PLANTS / HEATING HOUSES / CHEMICAL INDUSTRY /
 FOOD INDUSTRY / COOLING WATER SOURCES / WATER DISTRIBUTION / WATER
 TREATMENT / LAKES / PONDS / FISH FARMS / WASTE WATER TREATMENT /
 PHARMACEUTICAL / HOSPITALITY / AQUA PARKS / WELLNESS SPA / HOSPITALS
 / SHOPPING MALLS / AUTOMOTIVE / LOUNDROMATS / SKI RESORTS / ICE RINKS



CLIENT REFERENCE

Applicant: Blue Boson SE, Heydukova 1, 811 09 Bratislava
 Contact Person: Miroslav Danek, tel.: +421 905 862 366, danek@blueboson.se
 Client: ENGIE Services a.s., Jarošova 2961/1 831 03 Bratislava
 Contact Person: Daniel Čurka, tel.: +421 905 746 535, daniel.curka@engie.com
 Order No.: BB180001
 Place of implementation: bytový dom Sv. Cyrila a Metoda 28737, Senica
 Year of realization: 2019
 Aim of the project, methodology: Improving the energy efficiency of the boiler room of a tenement house in Senica, Sv. Cyril and Methodius 2873/7, by installing Blue Boson environmental technology. Reducing gas consumption by improving the heat transfer to heat exchange surfaces in the hydraulic heating circuit.
 Purpose of reference: Website placement, placement in promotional / advertising materials in printed form, use as a reference for another contract.
 Method of publishing the reference: In digital or printed form-logo with the name of the company, short text. Introduction as a client and as an official partner for energy services.
 Customer statement: After the installation of the device, the water quality in the system was demonstrably improved. Measurements during the 2019/2020 heating season showed an improvement in the efficiency of heat transfer to the OST in the apartment building.

In Bratislava, Date: 12.6.2020

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CUSTOMER REFERENCE

Supplier: - Contact details (Tel.):	Blue Boson SE Heydukova 1, 811 09 Bratislava Ladislav Malovecky, tel.: +421 903 462 169
Order No.:	BB 180001
Customer: - Contact details (Tel.):	SKO-ENERGO, s.r.o. tr. Vaclava Klementa 869, 293 60 Mlada Boleslav Ing. Stanislav Tichý, t. el. +420 734 264 512
Place of realization:	areal zavodu SKODA-AUTO, a.s. tr. Vaclava Klementa 869, 293 60 Mlada Boleslav
Year of realization:	2019
Nature of the contract, work methodology:	Elimination of existing and prevention of the formation of new incrustations, increased efficiency of heat transfer in hydraulic thermal circuits, reduction of operating costs
Purpose of the reference:	Placement on websites, in promotional / advertising materials, in printed form, to be used as a reference for other customers
Method of publishing the reference:	In digital or printed form - logo with the name of the company, short text

Customer's statement on the course of work:

The supplier provided its activities according to the customer's requirements without any reservations.

V Mladé Boleslavi 23.04.2020
 dne

Ing. Tomáš Kubín

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Vision for the Future

The vision of Blue Boson is to “bring innovation to all possible life area, which we will inspire others.”

Blue Boson will set up testing laboratories to validate existing technologies, build manufacturing lines to phase-in next generation of products, and commercialize technology applications. It will establish a foundation for new approaches in research and development, which will inspire new scientific and technological advancements. Through various partnerships, Blue Boson will work in collaborative ways to explore cutting-edge science and develop clean technologies. This will include worldwide non-profit environmental and humanitarian projects.

The Visionary

Robert Zagozdzon, *Chief Executive Officer of Blue Boson*

Entrepreneur, leader and mentor. Starting his carrier in 1995 by building step by step in different sectors group of companies, he took advantage of the opportunities created by the changes in Europe, the increasing opening of borders and the gradual liberalization of regulation's.

After graduation from the Slovak University of Technology in Bratislava, Robert attended business schools in the United States. He began his career in 1995 by creating Save Max, direct marketing business in the Czech Republic, which expanded to other markets including Germany, Turkey, Egypt and USA. Robert is the creator of several companies in the energy, telecommunications and marketing sector operating in CEE region.

He became interested in the energy industry in 2006, when the Czech market opened up. At the time he provided back office and marketing services to alternative energy providers, before deciding to invest in this branch of the business himself. The next step, which came about as a result of the liberalization of the Slovak, Hungarian and Polish energy markets was the establishment of independent energy companies in each of these countries which supplied energy, gas and other innovative products to almost a million of customers.

The funds raised from the sale of shares in the Czech and Slovak arms of Energy Supplier No. 1 to the Swiss fund Cromicron, were used to further the development of additional enterprises. But it still don't suit to Robert's ideas of business goal's and ethic what he describe in book “Facing the Truth” and afterward he decides investing efforts into developing technologies that provide solutions to the current problems being crucial for our future. In 2018 he become CEO of Blue Boson, the technology project he refers to as the biggest opportunity of his life.

For several years Robert has also been actively involved in coaching and mentoring, conducting meetings around the world and sharing his experiences with participants to achieve success and fulfilment in life. His motto is: Nothing is impossible for determined people. In his opinion, investing in people is the guarantee of success in business, and it is the human factor and education that create a real competitive advantage.

Territorial Expansion

Blue Boson is currently based in Slovakia (ICO50216465) and United Kingdom (SE000140) and present operationally in Slovakia through Blue Boson SE (ID50 216 465), in Poland through Blue Boson S.A. (ID5213737508) and in Czech Republic through Blue Boson SE (ID078 76 670) and United Kingdom again by Blue Boson Tech Ltd (ID11727942). Our 5-year Business Plan considers expansion to The Germany (DE), Spain (SP), Austria (AT), Hungary (HU), Italy (IT), United Arab Emirates (AE), Holland



(NL), France (FR), Ukraine (UK), Russia (RU), China (CN).

First steps in the new market opening process include patent and licensing fees for the respective countries. Next step includes completion of model installations in each country. Such projects will serve as reference to potential customers and are also aimed to attract new investors/partners. Joining partners would build their own teams for sales, project management and installations while benefiting from the Company's know-how and the production of technology.

Blue Boson has been in partnership discussions with an American, Middle East and Asia based companies, sign first agreements about cooperation with clients in those regions and is in the process of establishing his representative's offices.

Current Investment Opportunity

In 2018 the company attracted the first investor contributing €1.5 million and was thus able to launch the defined strategy of certification, sales, marketing and market development.

Blue Boson implement pending projects; provide further research for current uses of the technology as well as applications in additional industries; compensation and operating expenses for the current business; as well as expansion to new markets globally. Depending on the amount of funds raised, Blue Boson will modify the territorial expansion plan contain 100+ active client's and the new product application process accordingly.

Company's owners and management believe in sharing their successes with partners. Blue Boson's culture that is shaped by integrity, discipline, and long-term business relationships. Partnership options and terms are negotiable depending on the level of expected participation, current available resources, and interest.

Blue Boson Tokenization

Traditionally, investments were based on risk and reward. Today, the way we allocate our resources is increasingly focused on positive social and environmental impact for the highest good of humanity and our planet. This is why we decide to put our effort and investment in Blue Boson project and prepare same opportunity for our future partners; employee's.

Join us with your motivation, ideas and effort and be extra awarded be the Boson token. The purpose is to obtain reward through the tokenization process by the opportunity to participate on company grow by receiving dividend's and participate on value growth through sale and networking participation.

Future gains on the company profit, value and other benefits arising from holding the Boson Token make us all equal partners base on holacracy approach.

Boson Token is a blockchain Token based on the ERC-20 standard.

Boson Token uses the cryptocurrency platform Ethereum.

The Boson Token (TFT) contributes to a more sustainable, environmental orientated industry.

Contact:

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