



Advanced Green Expertise

SUMMARY OF THE PROGRAM
FOR CONSERVATION AND RESTORATION
OF ECOLOGICAL ENVIRONMENT
“WATER – SOIL – AIR”



The aim of this paper is to share with you our values
and a positive, solution-oriented view of the World.



Looking at current state of human affairs it is difficult to be enthusiastic. It is dominated by advancements in technology and a promise of technological possibilities of the future. It is also characterized by rapid utilization of natural resources and intensive waste generation. At the same time it is becoming obvious that we have created an enormous pressure on Earth's natural processes and systems.

We recognize now that primary causes of increased anthropogenic impacts can be attributed to:

- Rapid population growth still reliant on economic and political paradigms of the past;
- Fast paced advancement and availability of technology; and
- Lack of progress in the development of balanced ethical and spiritual foundations of our species.

Recent history attests to this with numerous examples of environmental disasters and man made catastrophes, disappearance of species and ecosystems, deforestation, wide spread pollution and drastic shortages of water. Humankind in its thirst to acquire more and more created extreme inequalities in societies, war zones and terrorism followed by migration of people on an unprecedented scale.

Environmental problems surfacing today are results of compounded issues rooted in the above-mentioned causes. Some of them are catching up with us following the decades of remaining dormant as in the case with pesticides banned 40 years ago and single use plastics that are filling the ocean.

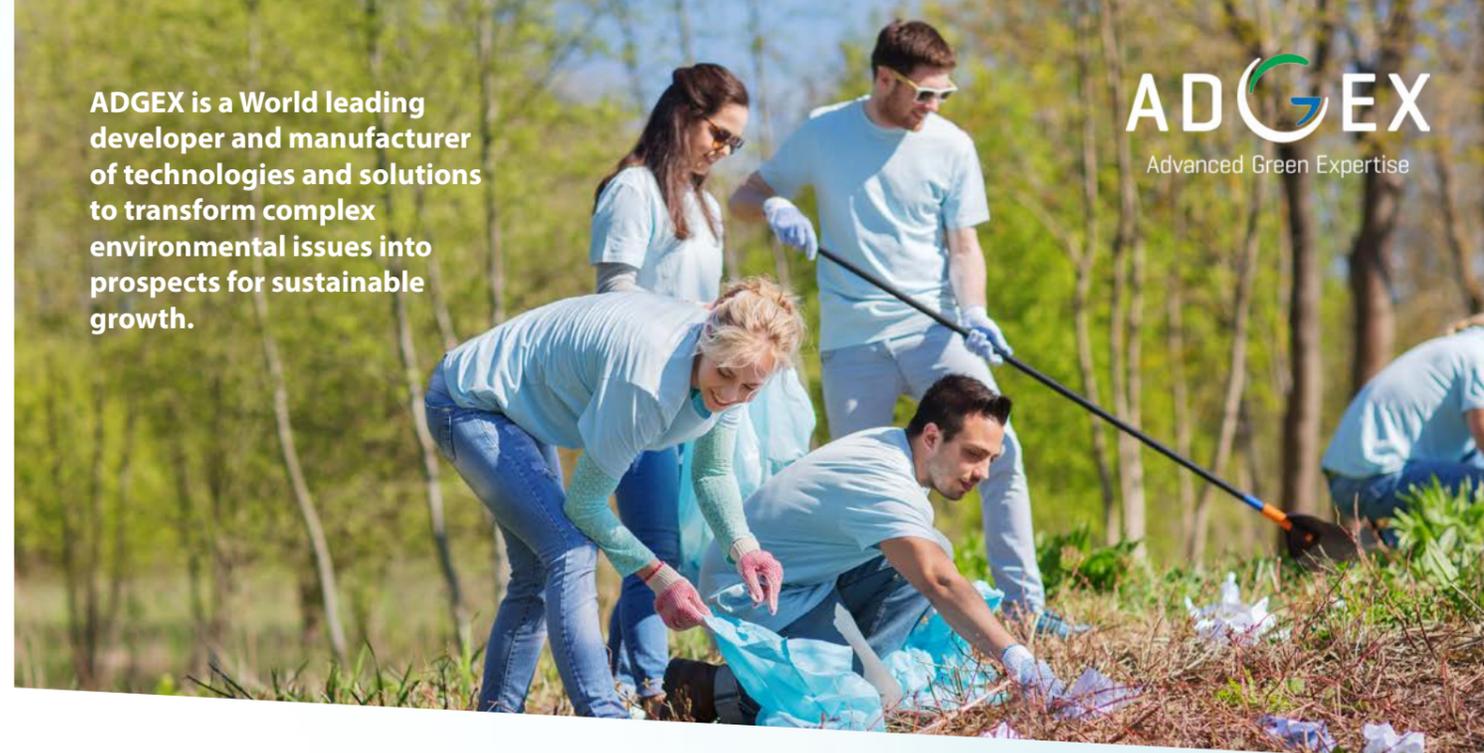


Many scientists warn the problems we created so far have already exceeded capacity of our technological competencies. In addition, the very solutions we apply often create new complex issues in the process of solving old ones. As a result, the magnitude of difficulties we experience grows exponentially and our simplistic reactive solutions cannot catch up with it.

At the same time within the root-causes of the problems there are positives that have potential to play a balancing role. Both technological advances and socio-economic processes have this capacity.

General trends are congruent with our belief that it is time for business to take the lead in providing both financial and technological means to respond to environmental issues.

ADGEX is a World leading developer and manufacturer of technologies and solutions to transform complex environmental issues into prospects for sustainable growth.



We believe that making a paradigm shift requires transformative thinking, political will, community involvement and as a foundation, availability of new scientific realities. We help them to germinate by integrating groundbreaking technologies into sustainable solutions, creating new markets and sharing opportunities and benefits with all people on Earth.

The Company's technological implementations are based on the principles that exist in Nature. Their application gives breathing space to Earth and does not generate toxic materials in high concentrations. It is the first and most important step, which gives Planetary systems time to adapt. It is in connection with this, we introduce term "**Planetary Immunity**" which means consistent capacity of the planet to balance variations of external and internal fluctuations.

Our systems are effectively dealing with a wide range of toxic materials including: metals, mineral compounds, and organic contaminants. In approaching detoxification we consider the Planet as a complex synergetic organism that links interconnected processes together to produce a well-balanced self-regulating system. Our solutions work seamlessly together equally effective in dealing with water, soil and air pollution. It is important to point out that these solutions are real systems that at the moment go through industrial testing stage.

Let us briefly introduce current ADGEX "Water – Soil – Air" Technologies

ADGEX systems for water purification and treatment are equally effective for solving problems with ground water, surface runoff, sewerage, and natural rivers and streams. Depending on requirements they are producing either high quality drinking water or water for industrial and agricultural use.

- **greenBLAZE** (<http://adgex.com/en/greenBLAZE>) is a bundle of technologies that converts waste to energy. It is capable of processing both municipal and industrial waste and producing either a variety of synthetic hydrocarbons or electricity. Industrial testing has shown that it is capable of processing up to 5 tons of waste per hour. The unit is compact and fits within 40 foot shipping container.
- **Ecological Purifier SEVA** (<http://adgex.com/en/SEVA>). This system is working on clearing air pollution taking exhaust fumes from atmosphere or directly from large industrial combustion engines, generators and industrial chimneys. It produces carbon dioxide, water vapor, either heat or electrical energy.
- **energyBRICK** (<http://adgex.com/en/energyBRICK>) is a unique fully automated energy storage solution it compliments the above technologies allowing creation of customised WTE systems where electrical energy generated in the process of waste treatment is distributed according to customer needs.

ADGEX is looking into the future combining its cutting edge technologies into systems for converting waste to energy, maintenance of ecological services, restoration of landscape quality, water and air purification.

People often rely on someone else to deal with uncomfortable issues delegating our democratic powers to politicians, Governments, scientists, someone who knows more. That places us in a comfort zone believing that someone else will fix it.

Drastic consumerism leading to incessant crimes against every facet of life became a feature of everyday living. In spite of that we deceive ourselves calling it progress and development. In fact, our global behavior more and more is showing resemblance of a deadly disease.

There are four main approaches to deal with environmental problems we face:

- Legislative;
- Business oriented approach;
- Community and individual citizens actions; and
- Possible combinations of the above.

However in our opinion the solutions must be multifaceted taking care of complexities of environmental issues.

ADGEX is advocating step by step approach that encompasses cleaning up water, soil and air in a systematic way.

Another problem we have is the slow response time to counteract rapidly changing environmental conditions. Our technological development changes the world at a pace we can not match with our old socio-political mechanisms of governance society. It takes a long time to draft and discuss a law, develop policies and implement it in a context of a single nation and probably triple that in the context of complex inter-governmental relationships.

Technological capacity of the media to influence minds of individuals in a society increased drastically in the recent decade due to wide adoption of mobile technologies and social media platforms. It has many positive aspects but its downside is information overload and rapid erosion and substitution of human values, a mechanism that stabilizes both societies and individuals within specific cultural context. One of the values that has been sacrificed is truth or sincere attempts to find truth.

When we look at the overall situation, we have to consider not only external factors or potential threats but also internal aspects of or societies. In our opinion it is de-stabilisation of human societies causing much turbulence in economic and political sphere.

In conclusion, implementation of ADGEX's "Water – Soil - Air" systems can be best described in the words of Buckminster Fuller: "You never change things by fighting the existing reality. To change something, build a new model that makes the existing model obsolete". And this is exactly what we are doing.

The reality we share is inclusive and building our GREEN TEAM is both part of the process and a necessary ingredient of our success.



**WE WOULD LIKE TO EXTEND
OUR INVITATION TO YOU
AND ASK YOU TO JOIN
ADGEX GREEN TEAM!**



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