

CONFIDENTIAL

JV TECHNOLOGIES INC.

BUSINESS PLAN ABSTRACT

Water is indeed the “Oil of The 21st Century”

EXECUTIVE SUMMARY

JV TECHNOLOGIES INC., a Canadian Corporation, was founded in 2003 as a marketing driven, ultrasound water purification, desalination, biotechnology and bioengineering firm. JVT Inc. is a world leader in creating ultrasound technologies and at the forefront of the new wave in ultrasound applications, applying them to water desalination and water purification products and processes. Its founders believe the integration of emerging ultrasound and related technologies with water desalination and water purification and related industries, will result in long-term benefits to the well being of the general public and large recurring markets. JV Technologies Inc. is a leader in the design, manufacture and marketing of ultrasound water desalination systems; industrial ultrasound water purification for key markets and applications worldwide; and ultrasound water purification for the home. Our desire is to help the world overcome the growing water crisis and our vision is that ultrasound technologies will be the primary solution needed to overcome water shortages worldwide. We have developed cost-effective, energy-saving solutions for water treatment, and JV Technologies Inc. is the world leader in ultrasound water purification and desalination technologies, providing solutions for municipalities, industries, and land development and emergency applications. The company is headquartered principally in Canada, Ukraine, Czech Republic and the United States. JVT holds ownership of a broadly based portfolio of patented ultrasound creations targeted at over \$ 150 Billion in global markets; representing a diversified investment opportunity for its shareholders. The Company is now poised to move rapidly to increase market awareness and support and build profitability. Structured as a tightly managed holding company, JVT emphasizes a unique operating structure through a series of international relationships and a business model which is driven by a diverse array of business-to-business, business-to-government, and business-to-consumer revenue-producing ultrasound products and applications.

MISSION

To design, develop, and market new-patented products, technologies and applications, utilizing the power of ultrasound for the empowerment, needs and well being, of consumers, business, and industry. Each ultrasound product, technology, or application thereof, will provide ultrasound solutions; for improving upon existing technologies or devices, or by designing new products, technologies and applications to serve needs that are clearly defined and acknowledged by scientists and/or business/industry professionals.

THE COMPANY

Background and Philosophy.....

Background

- Canadian corporation founded in June, 2003
- Founded by a Canadian entrepreneur and inventor, and a Ukrainian physicist and engineer.
- Ultrasound technology as basis for initial company formation
- Committed to being an innovator in the integration of emerging ultrasound technologies with desalination, water purification, making a discernable impact on the technological advancement of agricultural and industrial applications of ultrasound.
- Invested in technology which has: (1) multi-purpose commercial value (2) low market and development risk (3) proprietary protection (4) rapid market acceptance and development time frames (5) high technology applications (6) volume renewable purchasing (7) well-defined market need (8) a large market niche (9) high profit potential

Positioning and Strategy.....

- Marketing and research and development organization
 - Niche leader in low-cost ultrasound appliances for water purification and desalination
- Focus strict control and effort on development and delivery of initial proprietary technologies.
- Divert sufficient resources towards long-term research and development to insure survival and advantage.
- Build a reputation for reliability, customer service, and quality.
- Leverage external manufacturing, distribution, and R&D relationships wherever possible to diversify product lines, expand market share, and maximize profits.
- Create and implement innovative marketing strategies.
- Promote and preserve image and credibility among “water” public and private communities.

Base Technology.....

- ULTRASOUND

- Cornerstone for initiation of a 10-15 year proprietary R&D plan
- Incorporates a revolutionary approach to creating new technologies for the empowerment, well-being and needs of consumers
- Outpaces and departs from current and competitive water desalination and purification technologies.
- Outpaces and departs from current and competitive methodologies and product/concept thinking.
- Corresponds with overall trends in the development of health and safety - products for home and industry.
- Safe for the environment.
- Economical
- Relates to and builds from leading technological advances in ultrasound biotechnology applications.
- Qualitative and quantitative test results exceed standards for accuracy, specificity, simplicity, and cost.
- Establishes new capabilities and standards of reliability and assurance.
- Patent-able technology (existing patents and patents pending)
- Results from the applied and specific science and engineering backgrounds of company founders.

Revenue Model:

JVT has created reliable sources of profit throughout its operations. Management has built a solid business model, which can generate sustainable revenues. JVT believes that the key lies in developing multi-faceted and multi-dimensional sources of revenue within each operation, multiplied by the “economies of scale” produced through a consortium of strategic business units, all implementing common tools and core competencies, and leveraged by a “joint-venture production” model. JVT will produce sales and profits through a wide range of sources. JVT distinguishes its marketing and sales production into the following key “profit centers”:

New Product Development, Marketing and Sales**Licensing of Patented Technologies****Ultrasound Consulting****O.E.M.’s and Limited Partnerships****JV TECHNOLOGIES INC. CRITICAL SUCCESS FACTORS**

Financing and Capitalization	Share Value	Risk Management
Organization Building	Compliance	Communications
Flexibility / Adaptability	Innovation	Leadership
Revenue and Sales	Incentives	Market Tenacity
Co-Existing with Competitors	Positioning	Business Ethics

JV TECHNOLOGIES INC. CORE COMPETENCIES**Unique Ultrasound Design and Application Development****State-of-Art Technology****Value Added Integration**

Security and Reliability

Commitment

Lean and Mean

Making a Difference

Faith and Leadership

The Right Stuff

JVT INVESTMENT FEATURES

Worldwide leader and pioneer in Ultrasound Technologies and Applications

Revolutionary breakthrough proprietary products and technologies

Experienced industry knowledgeable management team

Key strategic technical and marketing alliances in place

Patents and trademark barriers in place

No short and long-term debt
Low operating costs.

PRODUCTS

Technical Discussions and Product Detail(s)

Proprietary R&D

Half of JVT's mission is to remain research and development driven and at the leading edge of niche technologies. A significant percentage of on-going sales, derived from either its own products or those to which it has revenue rights, will continuously be applied to research and development. Follow-on products or spin-off technologies, which result from these efforts, may reach market fruition through a combination of internal and external relationships. Included are: Marketing and sales by JVT itself; joint venture R&D and/or marketing; OEM contract for design; licensing; partnerships; and acquisition or divestiture. We would like to evaluate the business propriety of each situation on a product-by-product basis.

JVT DRINKING WATER PURIFICATION SYSTEM

Introduction:

There are three water sources that all water purification technologies must deal with.

- 1) Ocean and seawater (saltwater)
- 2) Underground water sources, which usually have a high concentration of calcium carbonate.
- 3) Surface waters from rivers, lakes, reservoirs, etc.

All sources may have many contaminants.

The JVT Drinking Water Purification System is applicable to the last two. Our system can create pure drinking water from these sources in the most economical, ecological and healthy way possible. It is a system that requires no adverse chemicals in order to deliver absolutely pure and natural drinking water from very dirty water sources. This system replaces harmful chemical additives with the power of Ultrasound. Our system includes other technologies but none are harmful to organisms or the environment.

- 1) First of all we have our Ultrasound Cavitation Liquid Flow Processors which destroy all bacteria in any liquid that passes through them. Ultrasound also improves coagulation processes so particles become larger for easier filtering. Our drinking water purification system requires two of these processors in combination with our filter technologies. Power- 2 kW for each processor
- 2) Four filter systems are necessary to complete our process.
 - a.) Filter System #1- This filter system is for the removal of organic compounds, dead bacteria and free chlorine (Cl₂) and includes haloacetonitriles and organic halides.

- b.) Filter System #2- This filter system is for the removal of Lead, Copper, Barium, Chromium, Nickel, Cobalt, Ammonium and Cadmium.
 - c.) Filter System #3- This filter system is for the removal of Radionuclides including Plutonium, Uranium, Radium, Cesium, and Strontium etc. All gross Alpha and Beta activity.
 - d.) Filter System #4- this filter system is for the removal of Fluorine, Arsenic, Bromate, Sulphate, Percolate, Chloral Hydrate, and Phosphate.
- 3) We will also employ pumps and mechanical filters in the initial phase for removing gross materials such as dirt, large organisms, plant life, etc. depending on the original source of the water being processed.
 - 4) The Estimated Flow Rate of The JVT System will be 350 liters per minute or approximately 5500 gallons per hour.
 - 5) The Estimated Cost per Liter of processed water will be \$.0025 USD or one quarter of one penny per liter.

JVT ULTRASOUND WATER DESALINATION AND PURIFICATION PROCESS

This process will provide real industrial applications and practical, economic solutions to the problems of desalination throughout the world.

Ultrasound will greatly reduce the costs of the desalination process at three key economy points.

1. Initial seawater ultrasound purification (from organic etc.) using ultrasound and mechanical filters.
2. Filtering of the water and ultrasound cleaning of filters in an ideal setup. Treatment of mechanical filters by ultrasound inside the ultrasound tube.
3. Heating of water spray created by ultrasound. With ultrasound spray, there is economy of energy of many times that is possible during the water/spray heating for evaporation of clean water.

Clean water is produced from the Ultrasound spray.

Unlike most present desalination processes ultrasound water desalination technology can be used with 100% success no matter what is the existing salt content of the water being treated. This technology is universal in that it can be added to existing desalination plants regardless of what technologies they are using. Ultrasound will improve all with the greatest economy.

The salt by-product will be collected for sale itself.

The salt itself that is extracted from the process is not returned to the ocean, which is currently harmful to local ecology, but will be collected as sea-salt for the health industry.

All Ultrasound Products below have already been produced as prototypes and are vital components of the JVT ultrasound water purification and desalination processes. The Ultrasound Liquid Flow Processor has already been used in the Oil Industry in Russia.

1. Ultrasound Cavitation Liquid Flow Processor

Purpose: for ultrasound processing of permanently flowing liquids and fluid-disperse media.

The setup may be used in the oil industry for technological water processing, for intensifying oil thermal cracking; in the food industry for preparation of food and technological emulsions, for milk processing, for extraction from vegetable stock, etc. and for cleansing of water in swimming pools thus eliminating the need for chlorine.

The **UCLFP** can be used in the water industry for the purification of water with the following advantages:

- Ultrasound processing rapidly and completely destroys all bacteria in any flowing liquid without the use of chlorine or any other chemical compounds.
- Ultrasound processing emulsifies all fat and oil impurities in water.
- Ultrasound processing prevents salt precipitation in the “tubes”.
- Under Ultrasound processing, disperse, solid inclusions coagulate. This facilitates further filtration of the liquid (water) by conventional filters; in particular, centrifugal filtering systems may be applied.
- Ultrasound processing enhances the chemical activity of water. Such water may be useful for some chemical, industrial technologies. Also the Ultrasound processed water becomes similar to “melted water”, which is good for human health.
- The **UCLFP** is extremely energy efficient. It uses only 2 kilowatts of power and can process 5500 gallons of water per hour.

The ultrasound cavitation processor provides high concentration of ultrasound in the tube cross-section, working as a cavitation bath, for a wide range of flow speed and pressure due to reliable fixing of ultrasound inductors at the outer surface of the tube. The setup has a minimum hydraulic resistance. High aggressive liquids can be processed. Maintenance of the device is very easy. The tube design provides a possibility of increasing the processing intensity by enhancing the ultrasound power by the tube cross-section as well as the tube length. This would improve performance, range of applications and lifetime.



Ultrasound cavitation processor: $d_y=100$ mm, power 2.0 kW, Capacity- 5500 gallons per hour

Why use Ultrasound Processors to eliminate chlorine in pools?

Waterborne Pool Illnesses

Swimming pools are exposed bodies of water and are thus subject to contamination.

The contamination can be carried into the pool water by the environment (e.g. wind, rain) or by swimmers.

There has been a dramatic increase in infections and infectious diseases from swimming pools over the past few years. Some strains of bacteria and viruses have built up resistance to the chlorine we use as a sanitizer in our swimming pools. Others are destroyed very slowly. Consequently, there has been an increasing demand for alternative sanitizers able to quickly and effectively destroy the disease carrying organisms. Unfortunately, it is impossible to prevent bacteria and viruses from entering the pool water. In swimming pools with a high swimmer load, the level of contaminants entering the water are especially high. Ill or recovering people are requested to abstain from swimming, but many ignore this plea. Chlorine breaks down very fast in the presence of high contamination and swimmer load and due to the effects of the sun's UV rays and heat. With these factors in mind, many swimming pool maintainers over-chlorinate the pool water in the hope that illness can be prevented.

This creates another dilemma - chlorine, too, can cause health problems and overuse should be avoided at all costs. Ultrasound Processors can eliminate chlorine consumption thus creating a safer and healthier swimming environment. Ultrasound Processors also effectively destroys potentially harmful bacteria, viruses and algae before they can strike.

A total reliance on chlorine for swimming pool disinfection is illogical in the light of research results.

These are some of the diseases that can result from infected pool water:

Gastroenteritis, Dysentery, Amoebic dysentery, Cholera, Typhoid, Hepatitis A, Giardiasis, Cryptosporidiosis, Salmonellosis, Shigellosis, Dermatitis. (Centers for Disease Control and Prevention)

Below are some references to illnesses resulting from swimming pool water:

- Chlorine can take up to 4 days to neutralise *Cryptosporidium parvum*, the causes of severe illness and transmitted through pool water, despite a balanced pool chemistry and free chlorine levels of 2.0ppm. (CDC - Emerging Infectious Diseases)
- . . . out of 282 pools tested, over 50% of the pools which had a chlorine level above 2.0 ppm still had both *E. Coli* and *Pseudomonas* bacteria present. (Dr. Peter Gaffney, Professor of Microbiology at Georgia State University, "Microbiological Evaluation of Swimming Pools in Fulton County Georgia (Atlanta)")
- "Swimmers had significantly more eye, ear and skin infections than non-swimmers, largely because of high bacteria and virus levels in pools, according to Illinois Public Health Researcher, Linda Berrafato."

(USA Today)

- "Swimming asthma" has been observed, especially in young children, as a result of breathing in the by-products (trihalomethanes) of chlorine used in swimming pools. (Reuters Health; Toxicology Letters, 72)
- Liver, kidney or central nervous system problems and increased risk of cancer have been observed as a result of the by-products (trihalomethanes) of chlorine use. (EPA - Safe Water Regulations)
- Eye and nose irritation, stomach discomfort and anemia can occur as a result of chlorine (Cl₂ or ClO₂) or chloramines in the water. (EPA - Safe Water Regulations)
- Outbreaks of illness from recreational water in 2000 were 228% higher compared to 2 years earlier. (Center for Disease Control)
- Diarrhea has been steadily on the rise since the mid-1980s as new germs appear that are increasingly resistant to chlorine used to disinfect pools. (Michael Beach, CDC medical epidemiologist)
- "The EPA has raised skin absorption of chlorine to its top 10 carcinogen Watch List." (The Washington Post, June 1994)

2. Ultrasound sprayers

Purpose: for ultrasound dispersing of liquids to obtain fine spray.

The ultrasound sprayers may be used for fuel mixture preparation in engines, in water supply systems of steam generators, in systems of technological water cooling, for coating technologies, in chemical industry, for drug spraying and therapy chambers in medicine, in agriculture for greenhouses, etc.

Ultrasound sprayers provide particle size in the range 5 – 30 μ for liquids with the viscosity close to water and the flow rate from 5 ml/min up to 3 l/min. The working frequency is 22 – 66 kHz. The principle of device is ultrasound spraying of a thin layer.

Advantages of ultrasound sprayers:

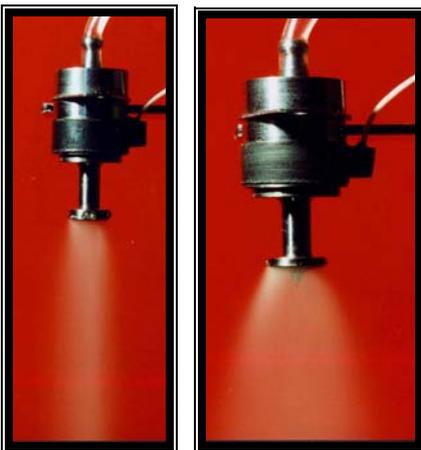
- sprayers use continuous liquid flow and work at the pressure of 2 – 5 kPa. Such low pressure allows avoiding expensive high-pressure pumps, which are used in usual sprayers;
- in contrary to usual sprayers there is no any heating and, therefore, there is no influence on the ambient temperature;
- in a contrary to usual sprayers using compressed air, the pressure in a closed chamber does not change,

- the device is frictionless, therefore, there are no wearing parts and no pollution due to wearing;
- since the water nozzles are in the zone of high ultrasound amplitude, the sprayers are self cleaning;

The automatic humidity control systems can be built using the electronic excitation circuits and microprocessors.



Ultrasonic sprayers with productivity up to 50 ml/min



The process of ultrasound thin layer spraying



Ultrasonic sprayers with productivity up to 3 l/min



Ultrasound Sprayer with plume radius of 1.5 m

Ultrasound device for scale and precipitation prevention

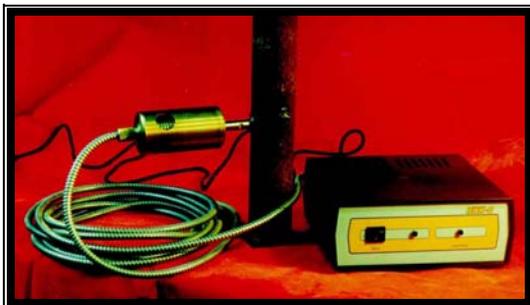
Purpose: to prevent scale on inner surfaces of heat-transfer devices as well as precipitation in pipelines for technology fluids, solutions and suspensions.

The device may be used to clean steam and water boilers, desalination setups and other kind of heat transfer devices, which inner surfaces suffer from solid precipitation.

The device provides high ultrasound power in a pulse. It may be used to facilitate transportation of viscous fluids.

Power consumption: less than 50 W; frequency: 44 kHz.

Size: $\varnothing 58 \times 170$ mm.



Ultrasound pulse devices PIK-1 and PIK-2

Ultrasound Cavitation baths

Purpose: for cleaning parts, details and units of instruments, fuel devices, medical equipment, and sterilization in special solutions.

The device provides high quality cleaning independent of the bath load. The service life is enhanced due to a special working regime of ultrasound transducers.

Cavitation baths of 0.5 and 1.0 l volume are developed and tested.

Different power and designs of immersion ultrasound sources are also developed. The immersion panels of ultrasound sources may be placed at the bottom or walls of a cavitation bath.



Ultrasound cavitation bath

HOME PURIFICATION

Ultrasound Water Filters

The JVT Water filters produce high quality, great tasting, and chemically and biologically pure drinking water. The filters provide removal of solid impurities, including usual mud and bacteria. The filtering elements are made of ecologically pure material. They do not require regular replacement or maintenance because the ultrasound field automatically cleans them. This gives non-stop operation of the filters during several years. Collected mud is removed by a flow of non-cleaned water by switching the filter regime from “Clean” to “Dirty”. Periodical automatic cleaning of the filtering element avoids accumulation of harmful components, for example, radionuclides or bacteria. The Ultrasound field provides additional water disinfections. The filters have safe electronic control systems providing efficient operation and automatic switching off when the water supply is stopped. Ultrasound Purification meets the U.S. EPA Standards for Microbiological Water Purifiers in testing, including the reduction of E. coli, Cryptosporidium, Giardia, Polio, Klebsiella terrigena, Cholera and Rotavirus.

The Filters provide for the following:

1. Softening of tap water
2. Disinfections of water. Ultrasound destroys 100% of bacteria
3. Acceleration of processes for Oxygenation and Decomposition of organic and non-organic dashes
4. Activation of Coagulation processes
5. Deodorization of water

JVT has plans for three filtration systems for the home market:

1. Ultrasound filtration system for tap water at point of entry into the home.
2. Less expensive countertop filtration system, which is portable, and can process a few gallons at a time. A new home appliance.
3. A more expensive model for handling water coming from wells, or lakes via a pumping system.

FOLLOW ON PRODUCTS AND TECHNOLOGIES

1. THE UNIVERSAL ULTRASOUND PROCESSOR

This will be a universal ultrasound processor produced to be used in any products and applications for which ultrasound is the solution, much in the same fashion that Intel produces microprocessors for computers. This will be a JVT proprietary product line

2. MEDICAL

- 1.) Ultrasound Inhalator
- 2.) Ultrasound Skincare and Therapy Devices
- 3.) Ultrasound Phacoemulsifier
- 4.) Ultrasound Mixer for Liquid Metals
- 5.) Ultrasound Dental Treatment Device

3. AUTOMOTIVE

- 1.) Ultrasound Cavitation Filter Activator for Liquid Fuel
- 2.) Ultrasound Fuel Treatment Device

4. INDUSTRY

- 1.) Ultrasound Welding Shock Treatment Device
 - 2.) Ultrasound Level Indicator for Liquids and Powders
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**ULTRASOUND WATER DESALINATION
PROJECT PLAN**

Phase 1. Proof of Ultrasound Water Desalination (UWD) technology and production of an Alpha-Prototype of UWD Device.

#	TASK	MILESTONES Outputs/Deliveries	DATE
1	2	3	4
1	Development of technical demands and a project task for the Alpha-Prototype of the Ultrasound Water Desalination Device	Technical Demands	Completed
2	Development of ultrasound sprayers for experimental work.	Transformer calculations/ Specification for the piezoelectric transformers and sprayers	Completed
3	Design of ultrasound generators with improved reliability for operation under conditions of elevated temperature and high humidity.	Electrical circuits of the generator/ Construction of the electronic cards	Completed
4	Hand making of unique ultrasound sprayers and generators.	Prototype of the sprayer	Completed
5	Construction of devices and units for for ultrasound sputtering in conventional desalination machines.	Devices and units for mounting of ultrasound sprayers in the working chamber.	Completed
6	Preparation of the technical task for the ultrasound desalination device. Determination of the device performance.	Technical task	Completed
7	Preparation of the technical task for the development of the special separator for ultrasound spray and salts and contaminants particles.	Technical task/ Construction of the special separator.	Completed
8	Construction of parts and units. Assembling the device.	Alpha-Prototype of the ultrasound desalination device for beta prototypes directions and final industrial sample.	Completed
9	Testing of the water purity from the Alpha-Prototype.	Recommendations on using of ultrasound for desalination.	Completed

**ULTRASOUND WATER DESALINATION
PROJECT PLAN**

Phase 2. Design and Construction of three UWD Device Beta-Prototypes

#	TASK	MILESTONES Outputs/Deliveries	DATE
1	2	3	4
1	Development of the technical demands for design of the ultrasound desalination beta-prototype device. Performance calculations.	The technical demands	Month 1
2	Calculations and design of the principal units of the devices.	Design and technical demands	Month 2
3	Construction of parts. Assembling and tests of units.	Parts and units of the three Beta-Prototype devices	Months 3&4
4	Final assembling and testing of the devices	Beta-Prototypes of the ultrasound desalination device	Month 5

**ULTRASOUND WATER DESALINATION
PROJECT PLAN**

Phase 3. Construction and Delivery of the Industrial Sample of the UWD device for serial production and pilot installation.

#	TASK	MILESTONES Outputs/Deliveries	DATE
1	2	3	4
1	Finishing of the design specifications as a result of testing of the Beta-Prototypes.	Final design specifications.	Month 1
2	Manufacturing of parts and units of the desalination device.	Parts and units of the device	Months 2-4
3	Assembling of the device and combination with software for industrial testing.	Industrial sample of the ultrasound desalination device.	Month 5
4	Preparation of a technical passport	Technical passport	Month 6
5	Patenting of solutions	Pending patents	Month 6

These are the three stages we need to complete in order to produce the Industrial Sample.

Stage 1- Alpha-Prototype- Completed -This stage has been completed with the results that we sent to you in our water testing documents. We also sent you a photo. The testing was conducted by the best water specialist in Ukraine. The Alpha-Prototype was designed for proof of technology; that it can separate drinking water salts from artesian drinking water sources; can remove arsenic and contaminants from such sources; and produce pure distilled water. All of Kyiv has artesian water below so we especially used this water in our testing and added a saline solution of acidic sodium arsenate (V) NaH_2AsO_4 to every liter of artesian water under investigation to achieve the necessary concentration of arsenic – 1 mg/l. We worked in this direction for our purposes, because of all the problems that are apparent in areas of the world like America, India and especially Bangladesh concerning arsenic contamination of underground drinking water sources. You have seen the testing results in the documentation we are sending you. We also used the Alpha-Prototype to test our other energy saving technologies. The total cost of producing and testing the Alpha-Prototype was 80,000 Euros which was paid for by our Company.

Stage 2- Beta-Prototypes- Three are necessary because of the previous rules of Soviet engineering in order to test all correct parameters for our system. Each Beta-Prototype will contain a necessary powerful unit- capable of spray of a minimum 10 liters per hour, producing 5 micron droplets, and using 200 watts maximum electrical power. Each Beta- Prototype will contain all necessary elements for testing in order to produce the industrial sample with parameters of creating a joining of units in order to produce 2 liters per minute of distilled water. For future we are interested in producing 1 micron droplets which is the maximum possible from our calculations in order to further increase efficiency. From these Beta-Prototypes we will organize all calculations for capacity, electrical energy, thermal power necessary, and with a guaranteed working range for units of up to 95 degrees centigrade. We will use pumping power of approximately 4 atmospheres. Total price in Kyiv for construction of three Beta-Prototypes is 127,000 Euros for which we are looking for funding. This price compared to what it would be in America or Europe is very inexpensive. The total time for construction of all Beta-Prototypes including testing is five months. Price includes all testing. A detailed budget will be provided.

Stage 3- Industrial Sample- The goal of this machine is to be able to produce at least two liters per minute of distilled water with low energy costs because of physical principals of big surface of water for heating. There is no boiling. After that is evaporation for distilled water. Our goal is to construct ultrasound sprayers which can spray two liters per minute with electrical energy of 200 watts. The total estimated cost for creating final Industrial Machine not including Alpha and Beta Prototypes will be 675,000 Euros after all parties have agreed to the conditions of co-operation. This machine will be used for tooling, serial manufacturing and production. We will build this machine wherever our partners need it built.