

Stinga®



STINGA TECHNOLOGIES

BUSINESS DEVELOPMENT – LICENSE USAGE- COMMERCIAL SHARING

Work 1 - September 2013

PROJECT SPECIFICATIONS

- INCREASING CURRENT THERMIC POWER PLANTS' EFFICIENCY WITH OUR COAL DRYING TECHNOLOGY, OBTAINING ELECTRICITY AND HIGH COAL SAVING IN PRODUCTION IS AN IMPORTANT PROJECT THAT PROVIDES % 94 DECREASING OF FLUE GAS EMISSIONS ACCORDING TO FLUE GAS EMISSIONS WITH CURRENT TECHNOLOGY
- ELECTRICITY POWER WHICH USING IN THERMIC ELECTIRIC POWER PLANTS WITH CURRENT TECHNOLOGY, WILL USE %58 LESS
- AT THIS POINT OUR READY TO USE AUTOMATIONS WHICH PROVED TO USE TO TRANSFORM CURRENTLY WORKING FLUIDIZED BED VESSELS TO OUR DRYING COAL TECHNOLOGY, WILL APPLIED AND SAVINGS MENTIONED ABOVE WILL OBTAINED
- IN VESSELS IMPLEMENTED OUR TECHNOLOGYS, CHANGING TIMES DEPENDED TO STEAM PRODUCTION LINES WILL 5 FOLD INCREASE THEREBY SERIOUS SAVING WILL BE OBTAINED AT THIS POINT
- PROJECT OF PRODUCING ELECTRICITY FROM %2 DAMPED (WITH DICREASING OF %80) WHICH OBTAINED FROM DRYING AND BURNING OF DOMESTIC WASTES % 95 FROM LEFT OVER DRIED PURIFICATION MUD
- DOMESTIC WASTES (PURIFICATION MUD) ARE PROCESSED AND DRIED WITHIN THIS PROCESS WITHOUT SMELL AND EMISSION OSCILLATION



- %2 DAMPED PURIFICATION MUD WHICH PRODUCED BY THIS SYSTEM GET NO MORE AIR AND CAN BE STOCK AS UNSCENTED
- **PRODUCING ENERGY BY BURNING BITUMINOUS SCHISTS**
- OBTAINING STONE GAS WITH HYDRAULIC EXPLOSIONS WITHIN TODAY'S TECHNOLOGY COST IS AROUND 110-120 AMERICAN DOLLAR – DESPITE THIS COST GAS LEAKS SHALL COME UP TO ATMOSPHERE AROUND BRUDLINJE AND DRILLING PIPES (7000 M) AND CAUSE UNCONTROLLABLE AIR POLLUTION. WITH STINGA TECHNOLOGIES STARTING FROM ZERO POINT TO THE SURFACE SCHIST (STONE GAS STONES) ARE BREAK WITHOUT ANY COST DROP OFF TO 0-10 MM SIZE WITH BREAKER AND ITS COST IS TRANSFERRED TO THERMIC POWER PLANT AS AROUND 1 AMERICAN DOLLAR. OPERATION TENDERS MEANS AT THE LEVEL OF RUN ROCK CRUSHED STONE FURNACE. SUBMIT BIG ADVANTAGES FOR BOTH COST AND OPERATION. IN BRIEF WHAT IS IMPRESSIVE IS: PRODUCING STONE GAS COST WHICH IS 120 AMERICAN DOLLAR COST JUST 1 AMERICAN DOLLAR WITH THIS METHOD !! IN TERMS OF INVESTMENT CURRENT INVESTMENT AMOUNTS WHICH SPENDING IN CURRENT TECHNOLOGY DECREASING %50 WITH STINGA TECHNOLOGY; DEPRECIATION TIME BECOMES 1 YEAR MAXIMUM.
- DESPITE OF THERMIC POWER PLANTS WHICH USE BITUMINOUS SCHIST MOSTLY WORK THROUGH MIXING WITH COAL, EMISSION OSCILLATING IS STILL SO HIGH AND CLOSING THIS PLANTS IS ON THE AGENDA.



- EMISSION OSCILLATING REFERS UNDER NATURAL GAS VALUES WHEN STINGA TECHNOLOGIES ARE APPLIED.
- IN THIS OPERATIONS BURNING EFFECIENCY IS IN %97 LEVEL.
- ACCORDINGLY THERMIC POWER PLANT INVESTMENT COSTS DICREASING %50.
- ***BURNING-DISPOSAL PROCESS OF FERTILIZERS IN CHICKEN FARMS AND ENERGY PRODUCTION FROM THIS***
- DRYING VESSELS WHICH WILL BE PRODUCING FOR THIS UNITS MEANS BOTH DRYING BIOLOGIC WASTES HENCE DISPOSAL AND THEREFORE FULFILL THE NEEDS OF WARMING BY BURNING WITH LOW EMISSION; BRING INTO A ENERGY PRODUCTION PROJECT THAT WARMS ITS SYSTEM WITH ITS WASTE; HEREIN MANAGING IN A VERY ECONOMIC WAY WITHOUT THE NEED OF ANOTHER ENERGY. BUYING COAL AND/OR LPG IS NECESSARY. ZERO COMPENSATION WILL BE PAID.
- ***ENERGY PRODUCTION BY BURNING PETROL MUD***
- IT IS THE PROJECT OF DISPOSAL OF PETROL MUD WHICH COLLAPSE IN SOLE IN PETROL DECOMPOSITION TANK IS SUBSTANTIALLY HARD BECAUSE OF PRODUCING HIGH EMISSION; AS BURNING THIS WASTE IS POSSIBLE WITH STINGA TECHNOLOGY, PRODUCING ENERGY WITHOUT EMISSION FROM THIS WASTE.



- **PRODUCING ENERGY BY BURNING AGRICULTURAL AND FORESTRY WASTE**
- IT IS THE PROJECT OF GATHERING AGRICULTURAL WASTES GENERATED IN REGION (VILLAGE TOWN), BURNING WITHOUT EMISSION BY STINGA TECHNOLOGIES AND FULFILLMENT OF THIS REGION'S NEED OF ELECTRIC AND HEATING.
- COSTS OF TRANSFORM AND DESTRUCTION OF WASTES GATHERED FROM REGIONS MEANS DECREASING TO ZERO THE COST OF ENERGIES(NATURAL GAS-COAL) PROVIDING FROM SAME REGIONS.
- DISPOSAL OF HOSPITAL WASTE AND BIOLOGIC WASTE AND PRODUCING ENERGY PROJECT
- DISPOSAL OF CITY GARBAGE AND PRODUCING ENERGY FROM THESE PROJECT ŞEHİR ÇÖPLERİNİN
- **HEATING FROM DOMESTIC WASTE AND WASTE OILS PROJECT**
- THIS PROJECTS MEANS, AS TAKING CARE OF VILLAGE AND TOWNS' NEEDS FROM AGRICULTURAL AND FORESTRY WASTE, THIS TIME BY MINIMIZING THE UNITS OBTAINING THEIR OWN ENERGY WITH DOMESTIC WASTE FOR A SITE WITH 1500 APARTMENT IN CITY.



WORKSTREAM MAIN PLANING

- 1.** Omletin of the internal structure primarily in Turkey, within the framework of the overall project
- 2.** Foreign partners detection, economic strength and vision / goals analysis
- 3.** Making the presentations and ensuring the candidate's interest in our subjects
- 4.** Proof of technologies and having joint venture in Republic of Turkey in order to gain trust
- 5.** Foreign partner in this initiative as a shareholder, Stinga takes the role of technology provider
- 6.** Reaching the continuation License right of the initiative that succeed and implemented in the Republic of Turkey, shall be handed over to foreign partners as 1st piece
- 7.** In initiatives in partners' countries, Turkey group shall take active roll and assigned within taking share at reasonable rates
- 8.** As parallel to performing the partnership healthy, as convey the licenses to the partners necessary steps shall be taken to make constitution stronger



WORKSTREAM DETAIL PLANING

(LOWER DETAILS OF CERTAIN DETERMINED SUBSTANCES)

1. Completion of the internal structure primarily in Turkey, within the framework of the overall project

Şenol Faik Özyaman: Patentee– Official representative: Fazıl Ali Moralı
The representatives care of foreign partners: Yavuz Uluğ

Detection of the target company, negotiating, providing agreements in principle

Establishment of a new company in Turkey for the implementation of project with partner firms

Configuring the management and sub-units, the creation of the related personnel in order to represent the company best in every branch. One of the most important issues at this point is to establish the legal department at the highest level.

Note : A lot of sub but important details relevant to this substance will discuss later.



2. Foreign partners detection, economic strength and vision / goals analysis

Firms shall be detected and offered by Yavuz Uluğ. After analyzing this firms' structures together for fitting our goals, decision shall be made.

Our main principles:

A- Performing a model application in Turkey; following the 1st subject's proof in models, 1st year licensing fee in Article F will be charged.

B- Following the implementation of 2nd model ve succeed, 2nd financial bracket in Article F will be released in our favor.

C- These investments will be financed 100% by the partners.

D- In the applications in partners' countries, Turkey group will be partner to the company to be established with the agreed shares and later time be put out to new and additional technologies to be transferred free of charge by the license will continue to be made stronger partnership structure.

E- For project/implementation areas in next levels, first works will be done in Turkey with same method, following the proof will proceed as first method license costs are received.

F- The project which are thought as between 7-10 fairly, for its total a price will be agreed primarily, herein price will be received step by step by dividing in years and parallel to proof of every project by us.

Thus license prices are subject to payment terms between 10 years. Capital that will be used for applications, will be hold separately from license prices.



4. Proof of technologies and having joint venture(models) in Turkey in order to gain trust

At this point, E.Ü.A.Ş. Corporation will be our primary local partner in Turkey. This corporation is a government corporation and in the place as owner and manager of huge thermic power plants. Title stands for ELEKTRİK ÜRETİM ANONİM ŞİRKETİ (ELECTRIC PRODUCTION JOINT STOCK COMPANY) . This corporation produces 26.000 MW electricity.

Corporation, invited us for only private sector representative to the workshop in May 2013 and informed extensively about technologies. Then, observed by sending a technical committee to our plant belong to our firm in Denizli works as industrial and this time they witnessed the truth of being in charge in applications we mentioned in presentations.

In other words, we proved our technology to be right.

They informed they want to collaboration with us after this meeting and evaluation period in place. They declared they want to undergo 2nd level in case of offering work models to us.



Model 1.

EÜAŞ offered us Tunçbilek Thermic Power Plant's one unit in power of 65 MW to apply the application and prove in a way care of government (Because of not being Stinga technologies equal and required by law). This statement is very important for our technology be proven in care of government and causing for using in the other thermic power plants. In other words, due to this technology, the sole and unique to be registered by the state procurement law after all other means of power plants given by us in tender

Work steps:

Allocated unit's current capacity and all data (supplied coal, chemical analysis, flue emissions values, power of used electric) shall be reported by SGS corporation.

By activating Stinga technologies, one piece of integrated facility of coal drying will be installed to power plant.

The cost is 1.000.000 USD averagely. (included operating expenses for 1 month) Our applications with new technology will last for 1 month and observed by SGS. After one month, all reports of operating will be prepared and presented by SGS. We prove the superiority of our technology and unquestionable accuracy with the comparison of the 1st and 5th Article...

Note : The cost of Stinga integrated machine and equipments used in facility, will be paid by established corporation. These fixtures are the property of our company; After the procedure the system will be removed and transferred to Elbistan Thermic Power Plant site which allocated to us by EÜAŞ.



Model 2.

Negotiation about operating units in Elbistan thermic power plant (one part or all) by us is made and in general agreement is obtained. But so far no official initiatives launched.

In this power plant there are 8 units. However, B board of current investment is out of commission because of landslide, production in A board only make work 2 unit out of 8.

When all system works, burns 70.000 Ton 1070 kg/cal. Coal per day;

Machines work with our technology, is capable of doing same work with % 55 damp coal 24.500 ton coal per day.

This means the need of 28 + 2 extra for total 30 machines.

These 30 machines investment costs are 30,000,000 American Dollar..

EÜAŞ will be paid to our corporation 35 TL / ton + VAT for drying.



Based on these data the following picture emerges:

tonnage/day	unit sales	total cost/day	gross profit/day	tax/day	net profit/day	net profit/120 days
24.500	17,50 \$	73.500,00 \$	355.250,00 \$	81.707,50 \$	273.542,50 \$	32.825.100,00 \$

When added machinery manufacturing times, setups, periods of time that will take to achieve efficient operation to production table, for first investment depreciation 9 months in average is foreseen.

For this joint venture, foreign partner will put capital, Turkish partners will put project and technologies.

In company to be established the shareholding structure will be % 50 - % 50

Representatives of two groups should be represented by the two signatures.



We are proud to share and inform the results of our work that we have developed as a result of a 15 years pursuit and intensive dissemination and in order to bring the productivity levels properly the huge project that should spread the world platform, with the participation of you to inform.

Sincerely,

Şenol Faik Özyaman

Fazıl Âli Moralı

