

R&D HISTORY



Chairman Kim, Sang Nam

Chairman Kim, Sang Nam of B.E.S.T. KOREA CO.,LTD. came to know Prof. Yull Brown , chairman of B.E.S.T.(Brown Energy System Technology) AUSTRALIA PTY. LTD. by introduction of president Robert Solomon of Australia in 1991.

Chairman Kim esteemed the properties of BROWN GAS such as Implosion, thermonuclear reaction and so on.

He ran into Sydney immediately with no hesitation because he had confidence it is the business item for him. Then he met chairman Yull Brown and established his business in the day.

Chairman Yull Brown was absorbed in his research at the age of 69 in those days. But he didn't produce or sale products. Therefore, it was the same to begin on a wild land if one does a manufacturing business to make BROWN GAS GENERATORS.

In addition, the electrolysis technology at that time was in stationary status without any progress. People were influenced by commonly accepted idea that electrolysis consumes much electricity and it is not economical.

In detail, everyone could do an electrolysis but such a thing never entered their mind because the gas from electrolysis was too small to use as a fuel, and they couldn't operate continuously for a long time. Therefore, such a limit of electrolysis technology had to be overcome. Nonetheless, chairman Kim, Sang Nam challenged to develop a high efficiency gas generator and began to research a new electrolytic cell with nothing but technology.

After 3 years from the beginning of technology development, chairman Kim, Sang Nam could complete the product development by a protrusion style electrolytic cell with high efficiency. The protrusion style electrolytic cell enhanced its electrolysis efficiency by air cooling of protruded electrode plate, and the high efficiency BROWN GAS GENERATOR by the protrusion style electrolytic cell was awarded Prime minister's

prize of "2000 Korea Patent Technology Fair" and Presidential prize of 36th Invention Day, known for its excellent technical expertise.

Chairman Kim, Sang Nam has sold BROWN GAS GENERATORS by the protrusion style electrolytic cell since 1995. In this process, he invented a world-class invention, a line style electrolytic cell, after 7 years of research and development. In this way, a larger capacity of BROWN GAS GENERATOR was succeeded. In the present day, BROWN GAS PLANT more than 500,000ℓ/h class as well as 100,000ℓ/h class is carried out on turnkey basis.

Moreover, Brown Gas Heat Generation Technology by a new combustion concept is originated and BROWN GAS COMBUSTION DEVICE is invented. And development of Brown Gas Boiler, Heating Furnace, Melting Incinerator was completed and all of them are registered as patent. The BROWN GAS COMBUSTION DEVICE by the unique Heat Generation Technology of Brown Gas and BROWN GAS PLANT by a line style electrolytic cell are two main technologies in the Brown Gas Application technology.

Chairman Kim, Sang Nam, who was absorbed in research and development like this, found a water burning phenomena in "Brown Gas Heating Furnace made of Mineral Stone"(USA patent US6,397,834) by accident. Because he realized an order of nature that water can burn at that time, he invented "Apparatus for Generating Energy using Cyclic Combustion of Brown Gas"(USA patent US6,443,725) which astonished the world. Continuously, Brown Gas Combustion Technology is completed by the invention of "Heating Apparatus using Thermal Reaction of Brown Gas"(USA patent US6,761,558) and many Brown Gas Application Commodities were developed.

With such a patent technology foundation, chairman Kim, Sang Nam, who has total 155 industrial properties including 76 registered patents and 53 utility models and so on, succeeded in developing WE Syetem(WATER ENERGY SYSTEM) which is composed and linked of BROWN GAS PLANT and BROWN GAS COMBUSTION DEVICE. Then he could declare a water energy age of the 21st century. With this, chairman Kim, Sang Nam achieved the world first marvel, Water Fuel Commercialization after 170 years of electrolysis technology from Faraday.

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http://www.suprememastertv.com/schedule_weekly.php?number=134&prev=1



Video file: <http://www.browngas.com/movie/smtv.wmv>

"Water will be the coal of the future."

In 1870, Jules Verne predicted in "Mysterious Island"

"Water will be the coal of the future", then 100 years passed.

In 1971, Yull Brown discovered Brown Gas, then 20 years passed.

In 1991, chairman Kim met Yull Brown and established BEST KOREA CO.,LTD.

In 1995, BEST KOREA invented High efficiency BROWN GAS GENERATOR.

It was a big turning point of Water Energy Technology.

In 2000, BROWN GAS GENERATOR was awarded

Prime minister prize of Korea Patent Technology Fair, and

In 2001, it was also awarded Presidential prize of 36th Invention Day.

In 2003, BEST KOREA succeeded to develop WE System linked and composed of BROWN GAS PLANT and BROWN GAS COMBUSTION EQUIPMENT, the world class inventions. Finally, water becomes an energy.

It took 133 years until Water Energy appeared by WE System in 2003 after Verne's "Mysterious Island" in 1870.

DISCOVERY OF WATER ENERGY

Water changes the world!!

In 1783, Antoine Laurent Lavoisier(1743-1794), the father of modern chemistry,

succeeded in the decomposition of water into oxygen and hydrogen. At this time, he was the first man who found that water is composed of oxygen and hydrogen. An important fact is that water is a renewable energy. Because water is oxygen and hydrogen, it becomes a very-well-burning fuel if we can decompose water into oxygen and hydrogen. Electrolysis of water is the most economical way to decompose water.

In 2003, Chairman Kim, Sang Nam invented the world class invention, a Line Style Electrolytic Cell, and he commercialized BROWN GAS PLANT by the Line Style Electrolytic Cell. And he developed WE System(WATER ENERGY SYSTEM) and succeeded in the water fuelization technology development.

In "the actual proof study of Brown Gas Utilization System" carried out by Ministry of Commerce, Industry and Energy, he composed WE System and proved water is an energy. He named the thermal energy from water, Water Energy.

Water is an energy!

Water, the infinite resource, changes the world.

Water fuelization is accomplished by WE System.

Water made as a fuel is called Brown Gas, and heat energy from water is called Water Energy.

In 1971, Prof. Yull Brown named the mixture of oxygen and hydrogen from the electrolysis of water, Brown Gas. He explained the first in the world that Brown Gas makes Implosion phenomenon by the unique property of this gas. But nobody listened to his words. The only man who understood and valued on the Implosion, the unique thing of Brown Gas, was Chairman Kim, Sang Nam in Korea.

In 1991, Chairman Kim, Sang Nam met Prof. Yull Brown, and established BEST KOREA CO.,LTD. Then he started to develop BROWN GAS GENERATOR. At this time, the history of the electrolysis of water reached to a big turning point. The common idea that 'Electrolysis is not economical because it consumes the expensive electricity.' was broken. BROWN GAS GENERATOR was awarded Prime minister's prize of Korea Patent Technology Fair in 2000, and Presidential prize of 36th Invention Day in 2001.

In 1999, Chairman Kim, Sang Nam, who was concentrated his research, discovered a phenomenon that water burns in his invention product, BROWN GAS HEATING FURNACE(US 6,887,884). He published the results as a paper "Apparatus for

Generating Energy using Cyclic Combustion of Brown Gas" to explain scientifically how water burn in the law of nature. This forms the basis of WE System. The paper "Apparatus for Generating Energy using Cyclic Combustion of Brown Gas" is registered as a patent in USA etc. and opened in the public as it is.

Kim Sang Nam Patent

Apparatus for generating energy using cyclic combustion of brown gas

United States Patent Filed: March 22, 2000

US 6,443,725 Registered September 3, 2002

In 2003, the advent of Water Energy by WE System is a big invention in 220 years since Lavoisier. Because WE System makes Water Energy in the most economical and easy way with water around us. From now, Water Energy from water will solve the biggest issues of mankind, energy problem and environmental problem, simultaneously.

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<Discovery of oxygen>

Lavoisier of France heated mercury with air in an air-tight vessel to make mercury oxide. And he researched the status of air decreasing. Then he heated the mercury oxide again and confirmed to get oxygen. He insisted on a combustion theory. The name of 'Oxygen' was coined by Lavoisier.

<Discovery of hydrogen>

The man who named on 'hydrogen' is Lavoisier of France. He understood Henry Cavendish's experimental announce as a process that hydrogen and oxygen react to make a compound, water. And he established the today's concept of combustion that burning is an addition of oxygen, not deduction of phlogiston.

It means that Lavoisier thought water is the remain after hydrogen was burned(by adding oxygen).

<Discovery of Water energy>

In 2003, Chairman Kim, Sang Nam of BEST KOREA CO.,LTD materialized his patent Apparatus for generating energy using cyclic combustion of brown gas(US 6,443,725) by success of development of WE System to make water as an energy. The coming of Water Energy by WE System is a big invention, 220years after Lavoisier.

In 2003, the advent of Water Energy by WE System is a big invention in 220 years since Lavoisier. This is a historical event that announces the opening of 21C Water Energy era after the 100 years of oil history.

BEST KOREA BROWN GAS GENERATOR

PRODUCT GUIDE

Product	Model	Application	Remark
BROWN GAS GENERATOR	BB-300 BB-600	Jewelry working, Soldering, Glass working, School, Laboratory,	Company established in 1991. Sales started since 1995 and many units are sold.
	BB-2000 BB-2000K	Brazing, Gas welding, Gas cutting,	
	BN-3000 BN-6000	Heat treatment, Slab cutting for Steel mill, Heavy industry process	
BROWN GAS PLANT	BK-6000 BK-20000	Industrial boiler, Industrial heating furnace, Industrial melting furnace,	Engineering, Design, Manufacturing, Installation, Commissioning, Turn Key Base
	BP-100000 BP-500000	Waste melting incinerator, Mixed combustion system	

Note :

When you want to purchase above BROWN GAS GENERATOR, you can see the specification of each model to select a model. Then you can buy it easily.

We, BEST KOREA CO., LTD., are the world first company that succeeded in the

development of WE System, and constructs above BROWN GAS PLANT by WE System on a turnkey base(Engineering, design, manufacturing, installation and commissioning test).

1. BROWN GAS GENERATOR

Presidential prize of 36th Invention Day
 Prime minister's prize of Korea Patent Technology Fair



High efficiency Brown Gas Generator

High efficiency Brown Gas Generator is a patent invention commodity that contains our unique Protrusion Style Electrolytic Cell. It is awarded Presidential prize of 36th Invention Day and the prime minister prize of Korea Patent Technology Fair. High efficiency Brown Gas Generator is compact and easy to operate, and especially safe because there is not explosive hazard like LPG gas containers. Therefore, Brown Gas is used as a necessary and useful flame for every thermal process.

Specification of small model

Item / Model		BB-300	BB-600
Gas production	ℓ/h	300	600
Voltage	Volt	220	220
Phase	∅	1	1
Water consumption	ℓ/h	0.16	0.32
Power consumption	kWh	1.1	2.2
Max. operation pressure	kg/cm ²	1.0	1.0
Weight	kg	71	87

Size(WxHxL)	mm	450 x 770 x 350	550 x 770 x 400
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Application

Soldering, Gold&silver jewelry work, Glass work, School, Laboratory etc.



Specification of middle model

Item / Model		BB-2000	BB-2000K
Gas production	ℓ/h	2000	2000
Voltage	Volt	220	220
Phase	ø	3	3
Water consumption	ℓ/h	1.08	1.08
Power consumption	kWh	7.5	7.5
Max. operation pressure	kg/cm ²	1.0	1.0
Weight	kg	205	205
Size(WxHxL)	mm	1000 x 950 x 630	1000 x 950 x 630

Application

Gold&silver jewelry work, Glass work, Brazing, Heat treatment, Gas welding, Gas cutting, Heavy industry thick steel plates cutting etc.

BREAKTHROUGH!



New Model BN-6000

Specification of large model

Item / Model		BN-3000	BN-6000
Gas production	ℓ/h	3000	6000
Voltage	Volt	220	380/440
Phase	∅	3	3
Water consumption	ℓ/h	1.62	3.24
Power consumption	kWh	10.8	22.5
Max. operation pressure	kg/cm ²	1.0	1.0
Weight	kg	252	650
Size(WxHxL)	mm	1300 x 1060 x 800	870 x 1500 x 1700

Merit : Full Automatic System, Air cooling System,

The body internal type with a built-in Water Supplier

Applicaton

Auto Fuel Supplier for heat treatment, Thick steel plates cutting work of heavy industry, Mixed combustion system etc.

2. BROWN GAS PLANT



zoom



zoom

100 Excellent Patent Products Fair

“Brown Gas Mass Production Apparatus(BROWN GAS PLANT)”



Component of BROWN GAS PLANT

	Component	Function	Remark
1	Mass Production Brown Gas Generator	Built-in unique electrolyzer(world first)	Patented
2	Auto Chiller	Auto control of electrolyte cooling	"
3	Auto Water Supplier	Connect to a tap water, auto control	"
4	Auto Flash Back Arrestor (Option)	Prevention of back fire & flash back	"

Specification

Item / Model		BK-6000	BK-20000
Gas production	ℓ/h	6000	20000
Voltage	Volt	380/440	380/440
Phase	ø	3	3
Water consumption	ℓ/h	3.24	10.8
Power consumption	kWh	22.5	75.0
Max. operation pressure	kg/cm ²	1.0	1.0
Weight	kg	650	2131
Size(WxHxL)	mm	870 x 1500 x 1700	1530 x 1500 x 2420

Application

Essential equipment of Water Fuel Auto Supplier that can supply Brown Gas during 24hours and 365 days stably into industrial boilers, heating furnaces, melting furnaces, mixed combustion etc.

WATER ENERGY

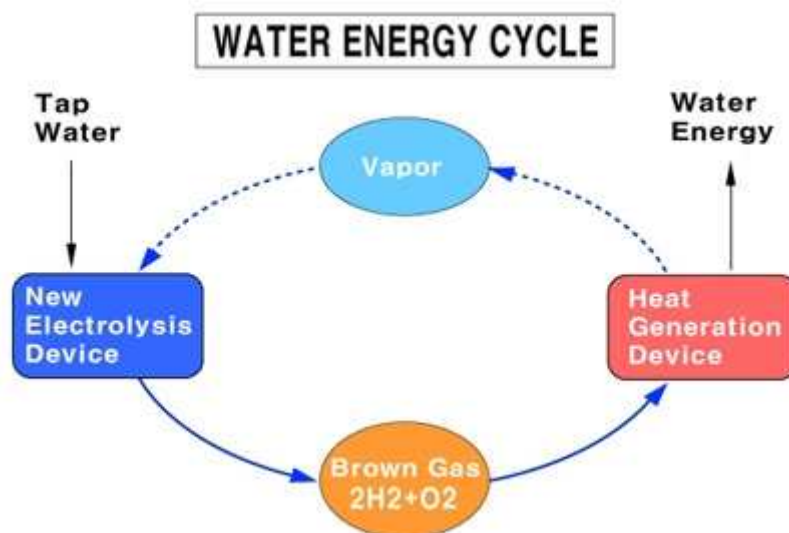
NEW DRIVING FORCE OF GREEN GROWTH

WATER ENERGY FROM WE SYSTEM

Definition of Water Energy

A fuel made from water is called Brown Gas,
Thermal energy made from water is call Water Energy.
Water is changed into energy by WE System.

WE System which is composed and linked of BROWN GAS PLANT and BROWN GAS COMBUSTION EQUIPMENT(boiler, furnace, melting incinerator etc.) means Water Fuelization System which converts tap water into Brown Gas and makes thermal energy from the Brown Gas by the heat generation technology in Brown Gas Heat Generation Device, simultaneously. The thermal energy made from the WE System is called Water Energy.



WATER ENERGY CYCLE

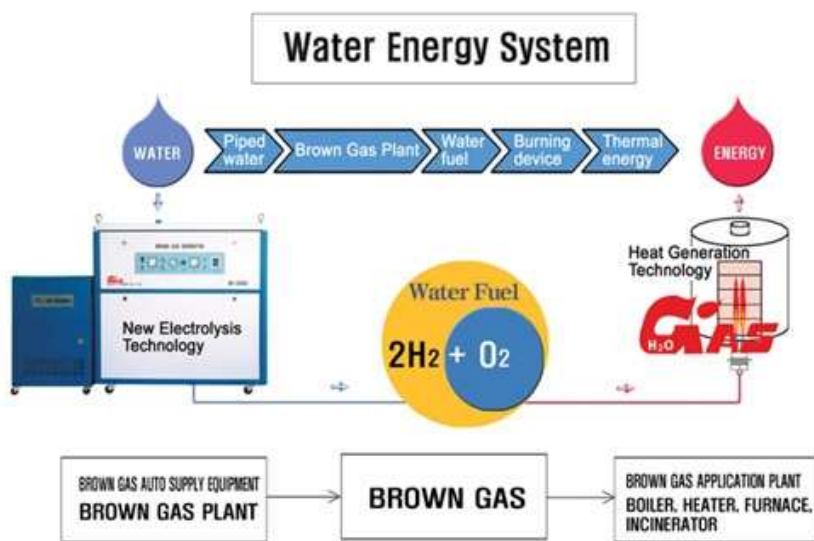
Water is electrolyzed into hydrogen and oxygen to make Brown Gas in a line style electrolytic cell, the world-class invention. Brown Gas emits thermal energy in Brown

Gas Heat Generation Device and is restored into water vapor. Like this, water becomes Brown Gas, then the gas burns and become water again. This cycle is called WATER ENERGY CYCLE. This is same to the circulation of water in the nature that vapor makes clouds and it rains to make river and sea that becomes vapor again.

WE SYSTEM(WATER ENERGY SYSTEM)

WE System reified WATER ENERGY CYCLE and composed and linked of BROWN GAS PLANT and BROWN GAS APPLICATION PLANT(boiler, furnace, melting incinerator etc.) means Water Fuelization System which converts water into Brown Gas and makes thermal energy from the Brown Gas by the heat generation technology in the combustion device. The thermal energy from WE System is called Water Energy.

In other words, Automatic Water Supplier supplies tap water to BROWN GAS PLANT. BROWN GAS PLANT produces Brown Gas in large scale and supplies Brown Gas to BROWN GAS APPLICATION PLANT(boiler, furnace, melting incinerator etc.). Brown Gas is made into thermal energy in Brown Gas Heat Generation Device in BROWN GAS APPLICATION PLANT by the unique heat generation technology. Like this, the concept of fuel and combustion is not seperated, and it is composed and linked as one system to be able to run 24hours automatically. So, it was succeeded to make water into an energy.



Patents : No.497873/No.275504/No.0450835/No.415224/No.0379739/No.378851/No.379768/
No.502108/No.498561/No.00499418/No.499420/No.542806/No.559793/No.573301/
No.0630793/No.434686/No.202218/No.0364566/No.0195623 and total 155

MERIT OF WATER ENERGY

An idea of turning around :

We have learned and taught so far that water electrolysis is not economical because a lot of electric energy is needed. But such a fixed idea is an old story before WE System was invented, and it is a time change the idea now. As seen in WE System, the electric energy functions only to dissociate water into hydrogen and oxygen in BROWN GAS PLANT. And, in BROWN GAS APPLICATION PLANT, thermal energy comes from the heat generation of water, not electricity.

Oxygen effect of Water energy

Brown Gas is the mixture of hydrogen and oxygen in the ratio of 2:1 as water it is. It is collected from WE System and has oxygen that is necessary for combustion. Because the oxygen in nature burns the gas perfectly, it is an ideal fuel. Such an oxygen effect makes better combustion condition to make a high temperature and heat, it gives us a lot of profits. So far, we blow the air into a combustion chamber, we lost a lot of energy through a chimney.

Value of oxygen

Because Brown Gas from water(2 hydrogen + 1 oxygen) contains oxygen for perfect combustion, we don't have to blow the air(29% nitrogen + 21% oxygen). Namely, Brown Gas Combustion Apparatus does not need a blower and a chimney. A carburetor of car or an air comparison controller of boilers are not needed. In spite of that, we forgot the value of oxygen in water because we used an air to get the oxygen.

High temperature property of Water Energy

Water Energy shows an excellent heat generation in comparison with other kind of energies because of its unique properties like implosion and thermal reaction. It can weld a brick and an iron themselves, and the flame can drill a thick brick. Brown Gas Heat Generation Device of WE System is a new combustion technology applied the high temperature property. It is an original technology of our country patented as the title of invention "Heating Apparatus using Thermal Reaction of Brown Gas".

Safety of Water Energy

WE System is composed and linked of BROWN GAS PLANT and BROWN GAS

HEAT GENERATION APPARATUS as a system. It does not compress or store Brown Gas, but it burns the gas as soon as it is generated, to make Water Energy. Therefore, there is no reason to compress and store like conventional high pressure gases. It makes us free from the danger to explode like high pressure gases.

Convenience of Water Energy

Everyone can be fully equipped BROWN GAS PLANT by WE System. When the switch is on, BROWN GAS PLANT makes tap water into Brown Gas to supply a fuel immediately. It is more convenient than any other fuels.

For example, hydrogen gas needs hydrogen gas station to recharge and LNG needs a long gas pipe from LNG corporation base. But BROWN GAS PLANT by WE System doesn't need to invest in such a social overhead capital.

Economical efficiency of Water Energy

Consumption material for WE System to make Water Energy is only water and electricity. The total cost of water and electricity is only 15-20% of the cost of oil. Namely, when we look over the economical efficiency of Water Energy, it saves more than 80% approximately and its payback period is within only 2 years. The payback of wind power is 12 years and solar power is 80 years. Now you will be able to know how economical Water Energy is.

Water Energy that satisfies the condition of alternative energy

In conclusion, because Water Energy from WE System is to use water as a fuel by the principle of nature itself, it is very natural to save more than 80% when we burn water instead of oil. Like this, water is easy to get everywhere as an unlimited natural resource, and Water Energy made from water fulfills the condition of alternative energy because it has the economical efficiency definitely.

CONCEPT OF WATER ENERGY

Water is an energy!

Fuelized water is called Brown Gas, and thermal energy from water is called Water Energy. WE System makes the energy from water.

Brown gas is the perfect no pollution fuel produced automatically from BROWN GAS GENERATOR, and it is the mixture of hydrogen and oxygen in a 2:1 chemical equivalent ratio as the composition ratio of water(H₂O) in itself.

Water Energy is thermal energy made from a combustion of Brown Gas that is converted from tap water by WE System of BEST KOREA CO., LTD.

BEST KOREA CO., LTD. did reserch activity and accomplished WE System development in success on "2002 the actual proof study of Brown Gas Utilization System". This study was one of the Energy Resorce Technology Development Project that is carried out by Ministry of Commerce, Industry and Energy, and it showed the actual proof that water becomes thermal energy.

At this time, the concept of Brown Gas(fuel) was changed to the concept of an energy. Now, Water Energy became the blue gold(water) to replace the black gold(oil) and it is in the limelight as a green energy to secure the dream and future of mankind.

Because WE System makes tap water into Brown Gas and supplies the water fuel as much as needed during 24hours and 365days, we can just use water as an energy instead of oil. In this way, we use Brown Gas from water as a thermal energy, and it is natural to call this energy as Water Energy to distinguish from fossil fuels or new renewable energies.

In conclusion, at one time, the energy called water was used as a hydrogen gas existing only hydrogen(H₂). But now it is used as Brown Gas(2H₂+O₂), the mixture of hydrogen(H₂) and oxygen(O₂) in the composition ratio of water(2H₂O) in itself. At last, it is reborn in the name of Water Energy by the invention of WE System. From now on, we hope people use Water Energy from water more than enough.

PATENTS RELATED TO WE SYSTEM

1. PATENT LIST OF BROWN GAS PLANT

상표등록: 제0452059호, 서비스표등록: 제035751호

번호	발명의 명칭	국가	출원/등록번호	비 고
1	형질식전해조를 포함한 브라운가스 대량발설장치(1)	한국	제0275504호	특 허
2	형질식전해조를 포함한 브라운가스 대량발설장치(2)	한국	제0450885호	특 허
3	Brown Gas Mass Production Apparatus including a Line Style Electrolytic Cell	미국	U87,014,740	특 허
4	橫列式電解槽を含むブラウンガス大量發生装置	일본	제8180014호	특 허
5	형질식전해조를 포함한 브라운가스 대량발설장치	중국	제08128410.0호	특 허
6	고효율 브라운가스발설기	한국	제0508886호	특 허
7	고효율 브라운가스발설기	일본	제282887호	특 허
8	고효율 브라운가스발설기	중국	제08149822.9호	특 허
9	산수가스발설기 전해조구조	한국	제117445호	실 용
10	酸水 가스發生機 電解槽構造	일본	제8087888호	실 용
11	브라운가스 자동공급시스템	한국	제0487878호	특 허
12	전해의 자동온도조절장치	한국	제0088784호	특 허
13	공냉식 전해조를 이용한 브라운가스 자동공급장치	한국	제0180970호	특 허
14	브라운가스역화방지장치	한국	제0887912호	특 허
15	다목적역화방지장치를 가지는 브라운가스 대량공급시스템	한국	제0717822호	특 허

2. PATENT LIST OF BROWN GAS APPLICATION PLANT

상표등록: 제0452059호, 서비스표등록: 제035751호

번호	발명의 명칭	국가	출원/등록번호	비 고
16	일회반응특성을 이용한 브라운가스 발설장치	국제	KR00/00942	PCT
17	일회반응특성을 이용한 브라운가스 발설장치(1)	한국	제0878851호	특 허
18	일회반응특성을 이용한 브라운가스 발설장치(2)	한국	제0040984호	특 허
19	일회반응특성을 이용한 브라운가스 발설장치	미국	U86,781,558	특 허
20	일회반응특성을 이용한 브라운가스 발설장치	중국	제2200814528.7호	특 허
21	브라운가스 역반석 가열로	한국	제0415224호	특 허
22	ブラウンガス 加熱爐	일본	제8258608호	특 허
23	Brown Gas Heating Furnace	미국	U86,897,884	특 허
24	브라운가스 역반석 가열로	중국	제00108886.2호	특 허

25	물의 순환연소에 의한 에너지 창출장치	한국	제0979766호	특허
26	Apparatus for Generating Energy using Cyclic Combustion of Brown Gas	미국	US6,449,725	특허
27	물의 순환연소에 의한 에너지 창출장치	중국	CN1287259A	특허
28	물의 순환연소에 의한 에너지 창출장치	일본	제0539999호	특허
29	브라운가스 연소장치 및 이를 이용한 난방장치	국제	KR01/00260	PCT
30	브라운가스 연소장치 및 이를 이용한 난방장치	미국	제10/868682호	특허
31	브라운가스 연소장치 및 이를 이용한 난방장치	중국	제01816922호	특허
32	브라운가스 촉매히터	한국	제0195619호	특허
33	ブラウンガス觸媒ヒータ	일본	제9297970호	특허
34	연소촉진용 브라운가스 버너	한국	제0997585호	특허
35	브라운가스 연소촉진용 가스제어장치	한국	제008152호	특허
36	브라운가스 연소촉진용 인젝터	한국	제0500251호	특허
37	(초효율) 브라운가스연소장치	한국	제0979799호	특허
38	브라운가스 연소용 발열장치	한국	제0077604호	특허
39	브라운가스보일러 수증연소장치	한국	제0259429호	특허
40	브라운가스보일러(1)	한국	제0967229호	특허
41	브라운가스보일러(2)	한국	제0065752호	특허
42	산업용 브라운가스보일러	한국	제0017812호	특허
43	브라운가스 발열장치를 이용한 관류형 증기보일러	한국	제0086974호	특허
44	브라운가스 고온발열체 소각로(1)	한국	제0502108호	특허
45	브라운가스 고온발열체 소각로(2)	한국	제0019944호	특허
46	다목적 브라운가스 응용소각로	한국	제0498561호	특허
47	브라운가스 소각로를 이용한 음식을 쓰레기 건조소각시스템	한국	제0499418호	특허
48	브라운가스/소각지 혼합 및 슈팅 방법에 의한 소각지 응용로	한국	제0012019호	특허
49	브라운가스 고온발열체 청정소각로	한국	제0076572호	특허
50	브라운가스 버너 및 응용시스템	한국	제0092598호	특허
51	소각지 응용처리를 위한 브라운가스 멀티버너	한국	제0019759호	특허
52	브라운가스를 이용한 고온소각로	한국	제0228162호	실용
53	브라운가스 역반석가열로를 이용한 원격외선 온실난방장치	한국	제0057561호	특허
54	브라운가스 폐유기용제의 촉매연소식 처리 및 밀회수장치	한국	제0980297호	특허
55	물가스를 사용한 바베큐장치	한국	제0941952호	특허
56	바베큐용 브라운가스 오븐	한국	제0964566호	특허
57	원격외선을 이용한 바베큐용 브라운가스오븐	한국	제0964566호	특허
58	물가스 역반석 가열로 구조	한국	제208990호	특허
59	물을 연료로 사용하기 위한 연진	한국	제075416호	특허
60	히트펌프와 브라운가스 복합에너지 시스템	한국	제0029024호	특허

61	이중리튬구조의 브라운가스 발열장치 및 평면화염버너시스템	한국	제0499420호	특허
62	브라운가스용 좋은 촉매방법	한국	제0997049호	특허
63	지뢰용 브라운가스탄	한국	제0075791호	특허
64	브라운가스 물기흡연소기	한국	제0002608호	특허
65	자동차용 브라운가스발열기	한국	제0020884호	특허
66	브라운가스 난방장치	한국	제0067220호	특허
67	브라운가스 원격외선 건강난로	한국	제0077600호	특허
68	브라운가스 발열장치를 이용한 찜스톤 제조기	한국	제0100814호	특허
69	브라운가스 급속바비큐기	한국	제0114907호	특허
70	브라운가스 소각제용출토	한국	제0018800호	특허
71	브라운가스 압석절단장비	한국	제0021556호	특허
72	브라운가스 오토 트레인 디미스터	한국	제0040576호	특허
73	진공유리관절단을 위한 브라운가스 자동절단시스템	한국	제0647599호	특허
74	농업용 브라운가스 온풍기	한국	제0111079호	특허
75	브라운가스 연소용 여제트버너	한국	제0922815호	특허

MAIN TECHNOLOGIES OF WE SYSTEM

Water Energy is thermal energy from Brown Gas which is converted from tap water by WE System.

BEST KOREA, that has total 155 industrial properties including 76 patents, 51 utility models etc., succeeded in development of WE System actualized Water Energy Cycle. Main technologies of WE System is as follows.

1. Brown Gas Mass Production Apparatus including a Line Style Electrolytic Cell

This invention is a great invention that brought the innovation of electrolysis technology which was in stagnation. It arranges (+)electrode plates and (-)electrode plates in lines, and supplies water into an electrolyzer continuously to collect a lot of the mixture of hydrogen and oxygen created from the electrolyzer.

2. Brown Gas Heat Generation Device using thermal reaction property

This invention is to secure a maximum space of heat passage and to maximize the heat generation effect by a largest radiation surface of infrared rays. It has a special feature

that infrared ray heating effect is continued even if a burner was off to cut the heating source. This is an original technology invented by BEST KOREA and it is created the first in the world.

<Status of main technologies>

Equipment name	BROWN GAS PLANT	BROWN GAS HEAT GENERATION DEVICE
Inventor	Kim, Sang Nam, Korea	Kim, Sang Nam, Korea
Title of invention	Brown Gas Mass Production Apparatus using a Line Style Electrolytic cell	Brown Gas Heat Generation Device using thermal reaction property
Technology summary	Automatic supply and mass production of Brown Gas (24hours continuous operation)	A unique combustion technology of Brown Gas without air supply
Patent No.	KR No.0275504 KR No.0450835 USA No.US7,014,740 JP No.3130014 CN No.ZL03123410.0	KR No.0378851 KR No.0559793 USA No.US6,761,558 JP No.3253608 CN No.2200814523.7
Patent owner	B.E.S.T. KOREA CO.,LTD.	B.E.S.T. KOREA CO.,LTD.



HISTORY OF WATER ENERGY

"Water will be the coal of the future."

Jules Verne was a French author who helped pioneer the science-fiction genre. He, in his novel The Mysterious Island of 1870 wrote:

“And what will they burn instead of coal?”

"Water", replied Harding.

"Water!" cried Pencroft, "Water as fuel for steamers and engines! Water to heat water!"

"Yes, but water decomposed into its primitive elements", replied Cyrus Harding, "and decomposed doubtless, by electricity, which will then have become a powerful and manageable force, for all great discoveries, by some inexplicable laws, appear to agree and become complete at the same time.

... I believe, then, that when the deposits of coal are exhausted we shall heat and warm ourselves with water. Water will be the coal of the future."

Prof. Yull Brown kept this extracted form *The Mysterious Island* by his desk and said, "Water will be the fuel of the future." all the time when visited by journalists and scientists.

In 1971, Prof. Yull Brown, who was the chairman of B.E.S.T. AUSTRALIA PTY. LTD. in Australia, started to develop the non-pollution energy which is a global concern. He discovered that if hydrogen and oxygen from water (H_2O) are mixed well, it burns more safely by Implosion Phenomenon. Then he named the mixture of hydrogen and oxygen from electrolysis of water, Brown Gas.

Prof. Brown said Brown Gas has unique properties like implosion property and thermal reaction property. It was an epoch-making discovery that couldn't be explained by common sense and theory in the past. This was the first established theory of Brown Gas. However, nobody accepted his theory and his technology didn't progress any more. Such an electrolysis technology came to a big turning point when chairman Kim, Sang Nam met Prof. Brown. In 1991, chairman Kim met Prof. Brown who lived in a suburb of Sydney.

Chairman Kim thought the unique property of Brown Gas like implosion property and thermal reaction property was important, and he established B.E.S.T. KOREA CO., LTD. in the day. As soon as his company established, chairman Kim started to develop commercial gas generators. At the end of 3 years of R&D, he could invent a protrusion style electrolytic cell. For the first time, a new BROWN GAS GENERATOR appeared in the world.

21C is Water Energy era!!

"Water will be the coal of the future."

In 1870, Jules Verne predicted this words, then 100 years passed.

In 1971, Yull Brown discovered Brown Gas, then chairman Kim, Sang Nam met Yull Brown after 20 years.

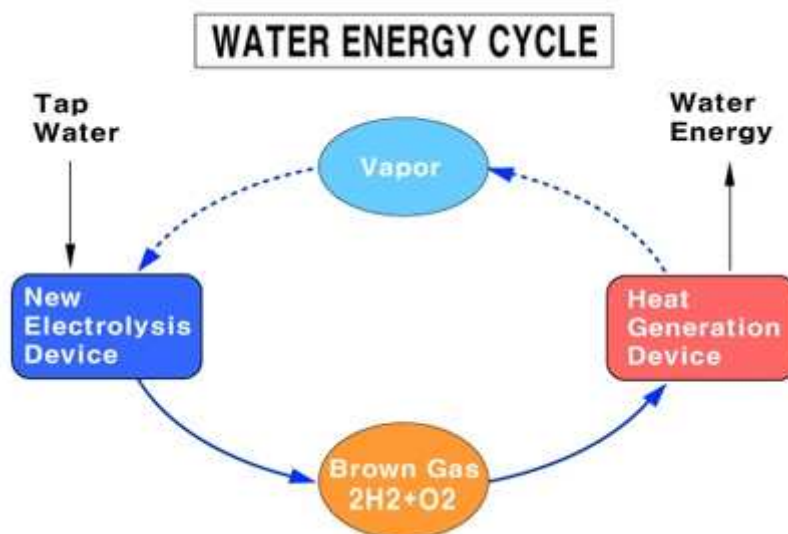
In 1991, chairman Kim established B.E.S.T. KOREA CO.,LTD. and started to develop BROWN GAS GENERATOR.

In 2000, he was awarded Prime minister prize of Korea Patent Technology Fair.

In 2001, he was awarded Presidential prize of 36th Invention Day.

In 2003, he invented a new electrolysis device and developed BROWN GAS PLANT and succeed in WE System development for water as an energy.

Now, 21C Water Energy era came to us after 133 years passed.



Water repeats a circulating cycle that water becomes vapor, cloud, rain and makes river and sea, then converted into vapor again. According to such a natural law, a new electrolysis device which is a worldwide invention dissociate water into hydrogen and oxygen of Brown Gas, and Brown Gas becomes water vapor again in Brown Gas Heat Generation Apparatus. This WATER ENERGY CYCLE is repeated and makes heat energy.

In this way, WATER ENERGY CYCLE is a repeating cycle that water becomes Brown Gas, and Brown Gas burns and become water again, and makes Water Energy. This is same to a natural law that water circulates in nature.

In 2002, chairman Kim, Sang Nam published a paper "Energy creating apparatus by cyclic combustion of water" which explained scientifically how water burns. It was patented and declared in USA etc, just as it is.

Inventor : Kim, Sang Nam

United States Patent 6,443,725 Kim September 3, 2002

Apparatus for generating energy using cyclic of brown gas

21C Water Energy era!

Water, infinite resources, changes the world.

Water made as a fuel is called Brown Gas, and heat energy from water is called Water Energy. Water becomes an energy by WE System.

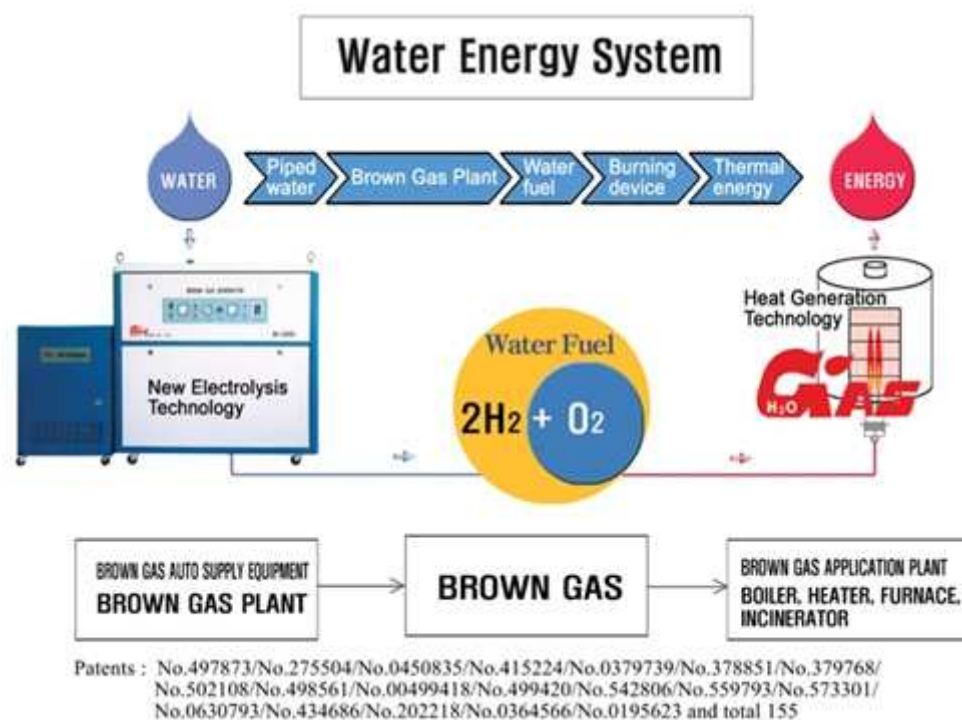
WE System which is composed and linked of BROWN GAS PLANT and BROWN GAS COMBUSTION EQUIPMENT(boiler, furnace, melting incinerator etc.) means Water Fuelization System which converts tap water into Brown Gas and makes thermal energy from the Brown Gas by the heat generation technology in Brown Gas Heat Generation Device, simultaneously. The thermal energy made from the WE System is called Water Energy.

It seem to be late but the government proposed "Low Carbon, Green Growth" as the national vision. However, it is definite that the Green Growth era will not be accomplished without any development of alternative energy. Water Energy is the driving force of Green Growth. It is the only substitute to realize the dream of energy independent country. When all the people have an idea "water is a fuel" as Jules Verne predicted 139 years ago, it will realize the dream of energy independent country.

WE SYSTEM ENGINEERING

BEST KOREA CO.,LTD. has total 155 industrial properties including 76 patents and 53

utility models and so on about Brown Gas. It succeeded in developing WE System(WATER ENERGY SYSTEM) based on those patent inventions, and declared the opening of the water energy age of 21st century.



WHAT IS WE SYSTEM

WE System which is composed and linked of BROWN GAS PLANT and BROWN GAS APPLICATION PLANT(Brown Gas Boiler, Furnace, Melting incinerator etc.) means Water Fuelization System which converts water($2H_2O$) into Brown Gas($2H_2+O_2$) and makes thermal energy from the Brown Gas by the heat generation technology in the combustion device, simultaneously. The thermal energy from the WE System is called Water Energy.

In order to compose and apply the WE System, we decide the capacity of BROWN GAS PLANT which is adequate to the target facilities, and compose proper equipments for the capacity etc. This is the engineering according to basic design that we should do. In addition, we offer the quotation for design, manufacturing, installation of WE System. If receive an order, we carry out the construction on a turnkey base as a package solution.

BEST KOREA CO.,LTD. makes BROWN GAS PLANT of 100,000~500,000ℓ/h class which supplies water energy Brown Gas automatically during 24hours and 365days. Therefore, if equipments and facilities have BROWN GAS PLANT, it solves both energy cost problem and environment problem. The BROWN GAS ENGINEERING is doing by many patent invention technologies, and it is possible by only BEST KOREA CO.,LTD. that is the best of the Water Energy Application Technology in the world.

Q&A FOR ENGINEERING & DESIGN OF WE SYSTEM

We think that you will be interested in WE System that opens the 21C water energy era. And you may feel impatiently to ask us what it is. However, BEST KOREA does not answer for such a technical question even if someone asks.

It is not a thing to explain in simple because WE System is a complicated system, not a single product, and it needs a professional engineering service. So, we build BROWN GAS PLANT by WE System on a turnkey base.

Now, you would understand how difficult it is if we ask and answer via telephone and email regarding such a professional technology.

BEST KOREA succeeded in the development of WE System and commercialized BROWN GAS PLANT. And we worked hard to develop application products and many WE items(Water Energy Boiler, Heater, Incinerator, Engine etc.), and have patents. All of these WE items are a big business in energy/environment sector with a large demand of the world.

Therefore, if someone wants the engineering and construction of BROWN GAS PLANT by WE System, or if somebody wants to run a big business with the WE items(Water Energy Boiler, Heater, Incinerator, Engine etc.), he must make a contract with us by Technical License Agreement.

THE BIRTH OF WE ITEMS

BEST KOREA CO., LTD. is a company that has concentrated on R&D of Water Energy since established in 1991 and has total 155 industrial properties including 76 patents and 53 utility models and so on.

Ministry of Commerce, Industry and Energy carried out "the actual proof study of Brown Gas Utilization System" as one of the Energy Resource Technology Development Projects. The company succeeded to develop WE System(WATER

ENERGY SYSTEM) in this study and opened 21C Water Energy Era.

BEST KOREA CO., LTD. is already selling BROWN GAS PLANT that composes WE System, and developed BROWN GAS APPLICATION PLANT(boiler, heating furnace, melting incinerator etc.) that linked with BROWN GAS PLANT. So, many WE ITEMS came into the world. BEST KOREA CO., LTD. is the owner of original technologies and exclusive patent rights. Our company is ready to transfer all technologies to business men who want to run a big business. It is the time to invest in WE ITEMS to run a big business. WE ITEMS are as follows.

A) ITEMS FOR MANUFACTURE

- BROWN GAS BOILER
- BROWN GAS HEATER
- BROWN GAS FAN HEATER
- BROWN GAS HEATING FURNACE
- BROWN GAS MELTING INCINERATOR
- BROWN GAS MEDICAL INCINERATOR
- BROWN GAS ENGINE

B) GREEN ENERGY/ENVIRONMENT BUSINESS

- BROWN GAS MIXED COMBUSTION SYSTEM(FUEL SAVING)
- WATER ENERGY GREEN INCINERATION
- WATER ENERGY CO-GENERATION
- WATER ENERGY CAR
- WATER ENERGY INDUSTRIAL COMPLEX
- GREEN FOOD FRANCHISE(WELLBEING BUSINESS)
- ENERGY INDEPENDENT GREEN CITY

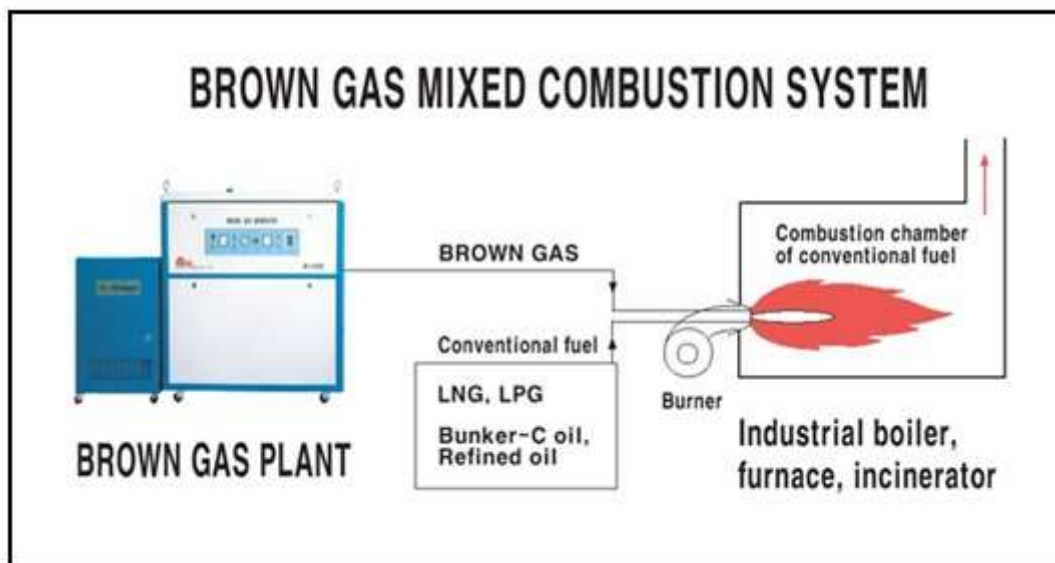
BROWN GAS MIXED COMBUSTION SYSTEM

BROWN GAS MIXED COMBUSTION SYSTEM by WE System is the solution for environment issue and energy problem.

If a company owns existing facility(industrial boiler, heating furnace, melting incinerator, etc.) the company can have BROWN GAS PLANT to mix and burn Brown Gas with conventional fuel to solve its environment issue and energy problem.

BROWN GAS PLANT supplies Brown Gas 24 hours into the combustion chamber of existing facility. The Brown Gas is mixed with conventional fuel and burned together. At this time, if people supply more Brown Gas, fuel savings and anti-pollution effect become larger.

This new combustion technology has a merit that people don't have to replace or modify their existing facility. People can use their as it is.



BROWN GAS INCINERATOR(WE INCINERATOR)

WE INCINERATOR(BROWN GAS HIGH TEMPERATURE PYROLYSIS MELTING INCINERATOR by WE System) is composed and linked of BROWN GAS PLANT and BROWN GAS MELTING INCINERATOR by the unique heat generation technology of Brown Gas. Its special feature is to use water energy instead of LPG or LNG in order to supply energy for perfect combustion.

This melting incineration technology is a new technology. A combustion chamber is prepared in the incinerator and it has the most complete combustion condition of Brown Gas. Combustion heat of syngas and combustion heat of Brown Gas make a synergy each other to create high temperature of 1400~1800°C. It can melt everything and it doesn't produce any ash, the problem of existing incinerators.

In addition, its exhaust gas is treated by high temperature and it doesn't produce pollution like dioxin. A waste heat boiler captures exhaust heat of high temperature and

Warning

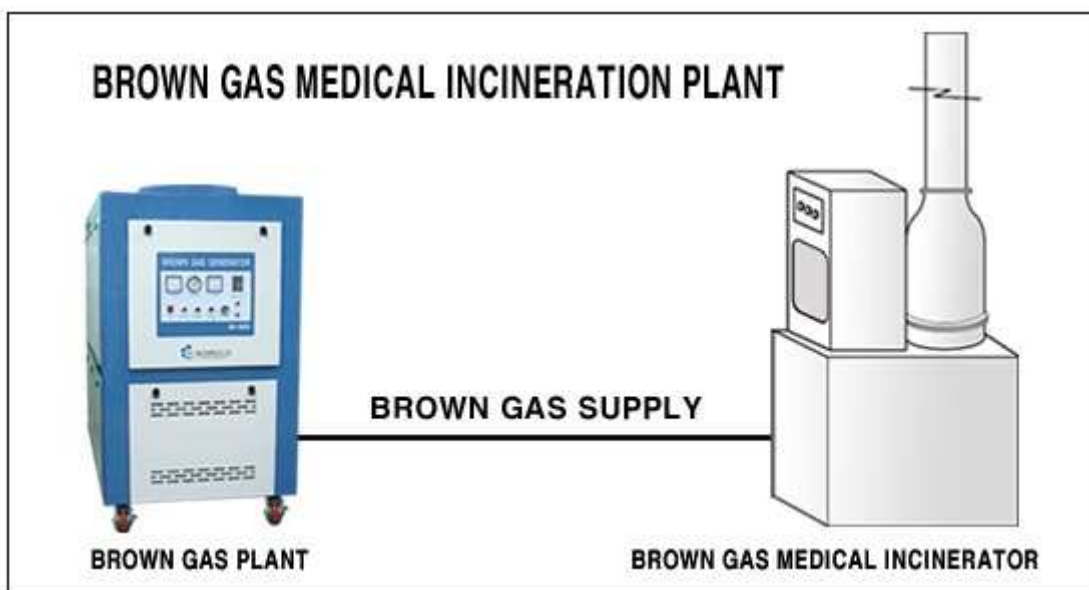
All of WE BOILER, HEATER, INCINERATOR, ENGINE etc by WE System are patented and registered. They are patented products of BEST KOREA with monopolized and exclusive rights. WE System is impossible if there is not BROWN GAS PLANT and BROWN GAS COMBUSTION TECHNOLOGY. Therefore, it is impossible to make WE BOILER, HEATER, INCINERATOR, ENGINE etc without any infringement of the patents of BEST KOREA.

BROWN GAS MEDICAL INCINERATION PLANT

WE System means Water Fuelization System that is composed and linked of BROWN GAS PLANT that makes tap water into Brown gas to supply automatically and COMBUSTION EQUIPMENT(Brown Gas Boiler, Engine, Incinerator etc.) that uses Brown Gas as a fuel. Like this, water fuelization is happened by WE System.

BROWN GAS MEDICAL INCINERATION PLANT by WE System is composed of BROWN GAS PLANT and BROWN GAS MEDICAL INCINERATOR, and this incineration plant is mainly for incineration treatment of pathogenic medical wastes.

BEST KOREA, that has more than 150 patent technologies related to Water Energy Brown Gas, brings out BROWN GAS MEDICAL INCINERATOR, the minimized patent application at this time.



Excellence and Superiority of BROWN GAS MEDICAL INCINERATION PLANT

- **It uses water as a fuel instead of oil by WE System.**
- **It incinerates completely by high temperature pyrolysis of 1,300 °C.**
- **Waste comp. feeding device fulfills the condition of pyrolysis.**
- **Product size is minimized by using a feature of Brown Gas that needs no air for combustion.**
- **The product is compact and environmental friendly, so it is possible to install in hospital buildings.**

Because BROWN GAS MEDICAL INCINERATOR uses water as a fuel instead of oil or LPG, it solved the most important alternative fuel, and the equipment is so compact that its size is about half of existing small incinerators.

The reason of such a minimizing is that pyrolysis chamber needs low oxygen mood and Brown Gas does makes high temperature without combustion air to make an efficient pyrolysis.

In consideration of special treatment of pathogenic medical wastes, BROWN GAS MEDICAL INCINERATOR has the waste drop opening in front of incinerator at lower position in order to feed the wastes easily. We can see this is more advanced than european medical incinerators that open the upper case or have a sealed door.

Now, every hospital can own a medical incinerator that is minimized and cheap to treat their medical wastes.

Therefore, there is no inconvenience to keep the pathogenic wastes in a freezer to bring it to an incinerating facility. Hospitals can destroy as soon as the wastes come out, so we can prevent the diffusion of pathogene that should be treated specially.

BROWN GAS MEDICAL INCINERATOR, that is made as the smallest one among incinerators, can be used for not only medical wastes but also general wastes from department stores or companies.

BROWN GAS MEDICAL INCINERATION PLANT by WE System
Technical Specification

1. BROWN GAS MEDICAL INCINERATOR

	Item	Technical specification	Remark
1	Model	BGI-100	Apply WE System
2	Treatment capacity	100kg	
3	Fuel	Brown Gas	
4	Incineration method	High temperature pyrolysis	
5	Max. operation temperature	1,300℃	
6	Approx. burning out time	3hours	
7	Ash residue	2%	
8	Waste drop opening	Direct feeding front opening	
9	Waste drop opening size	W400×H500	
10	Product size	W660×L890×H1,800	
11	Stack height	3,800 from ground	
12	Approx. shipping weight	900kg	

※ The above specification can be changed by design modification without any notice.

2. BROWN GAS PLANT

	Item	Technical specification	Remark
1	BGG Model	BN-6000	Built-in Auto Water
2	Gas production	6,000ℓ/h	Supplier
3	Water consumption	3.24ℓ/h	
4	Power	380/440V×3Ø	
5	Power consumption	22.5kwh	
6	Max. operation pressure	1.0kg/cm ²	
7	Product size	W870×L1,700×H1,500	
8	Approx. shipping weight	650kg	

※ BROWN GAS MEDICAL INCINERATION PLANT by WE System is composed of BROWN GAS PLANT that makes tap water into Brown gas to supply automatically and BROWN GAS MEDICAL INCINERATOR that uses Brown Gas as a fuel. BEST KOREA makes BGI-100 and other various ordermade models by customers demands.

BROWN GAS SMALL INCINERATOR of new concept

Small incinerator is called an incinerator that incinerates less than 5t per day or 100kg per hour. It is easy to install, move, remove and its cost for installation and maintenance is cheap. But its structure is more simple than large incinerator and temperature of incinerating heat is lower. It has a hazardous problem to emit exhaust gas and pollutants because of imperfect combustion.

In order to solve such a problem, there is a technology that does not depend on post-treatment equipments to remove pollutants, and it prevent fundamentally the generation of pollutants in incineration process. It is pyrolysis incineration technology.

Pyrolysis incineration technology means the treatment of syngas that made from thermal destruction and condensation effects by heating in the condition of no oxygen or low oxygen by cutting off the air.

There are two types of pyrolysis. Low temperature type works at about 500~900°C, and high temperature type works at about 1100~1500°C. The pyrolysis at high temperature makes more volume of pyrolysis gas. And the gas contains more hydrocarbon like hydrogen, carbon monoxide, methane, ethane, ethylene than low temperature. Therefore, high temperature pyrolysis is an effective way because the gas become more valuable as a fuel.

Combustion conditions that should be considered are temperature of combustion chamber and residency time. The temperature of incinerator's combustion chamber is important to prevent pollutions like dioxin etc. When the temperature becomes higher than 800°C, dioxin density becomes 1/3 level in compare with the temperature lower than 800°C. And the dioxin problem is disappeared if the temperature rises very high. Pyrolysis time becomes shorter if the wastes particle is smaller, and the time becomes longer if it contains more water. Therefore, high temperature is also needed in order to reduce the drying time.

Therefore, the high temperature pyrolysis becomes more necessary, but there is a technical limitation to make a high temperature by fossil fuels. In order to solve this problem, the current small incinerators inject 30~50% of necessary air for incineration into the primary pyrolysis combustion chamber in order to use the heat generated from the burning of residue carbons. And it burns syngas in the secondary combustion chamber to remove soot or bad smell, but it still needs a dust collector like a cyclone

and the system size must become bigger.

It is the BROWN GAS MEDICAL INCINERATOR by WE System that solved all of above problems. BEST KOREA put out many WE ITEMS by WE System. This BROWN GAS MEDICAL INCINERATOR is only a one of them. The appearance of Water Energy by WE System is a big invention after 220 years from Lavoisier, and this informs us the opening of 21st century Water Energy era. From now, Water Energy from water solve energy problem and environmental problem, the biggest concern of mankind.



INVESTMENT FOR WE ITEMS

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BEST KOREA CO., LTD. is already selling BROWN GAS PLANT that composes WE System, also developed all of BROWN GAS APPLICATION PLANT(Brown Gas Boiler, Heating furnace, Melting incinerator etc.) and opened 21C Water Energy Era.

BEST KOREA CO., LTD, the owner of original technology is ready to transfer all technology to the business man who want to run the big business with a Water Energy Item. Now, it is time to invest in commercialization of them. WE ITEMS are as follows.

A) ITEMS FOR MANUFACTURE

■

■ BROWN GAS BOILER

- BROWN GAS HEATER
- BROWN GAS FAN HEATER
- BROWN GAS HEATING FURNACE
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- ENERGY INDEPENDENT GREEN CITY

WE ITEM INVESTMENT BUSINESS

The above WE ITEMS appeared as a new driving power of Green Growth era to raise a global demand for the energy/environment business, enormously.

Technologies of WE ITEMS are registered in the patent office to be in public, and people see developed products and operations when they visit BEST KOREA CO., LTD.

WE System makes water into an energy, and it solves energy/environmental problems, the world wide issues, simultaneously. This wrote the history of electrolysis newly. Therefore, BEST KOREA CO., LTD has the best technology regarding Water Energy, and it is peerless.

How can we invest in?

Of course, there are many ways of investment, but if we mention some business types with WE ITEMS, there are :

- Run a manufacture company of each item

- Run a sales company
- Run a franchise
- Make an industrial complex
- Construct an energy independent green city
- Joint venture
- Direct investment(investment in stocks of BEST KOREA CO.,LTD.) etc.

A businessman, who wants the above WE ITEMS, will select an item among WE ITEMS and he will invest in the item. In other words, the businessman invests in his business. We hope people do a proper investment for the items to become a main actor of Green Growth era.

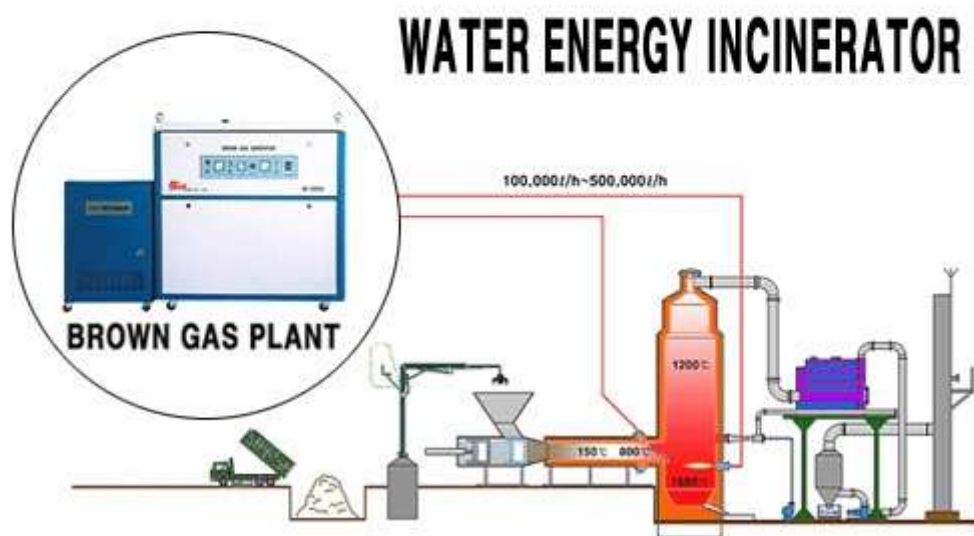
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WATER ENERGY

NEW DRIVING FORCE OF GREEN GROWTH

GREEN CITY PLAN OF WATER ENERGY ERA

Green City means a city using nature energy rather than oil and a self-sufficient city with no pollution. It is impossible to plan such a Green City plan of no pollution and energy self-sufficiency by new renewable energies(fuel cell, solar, geothermal, wind etc). It is absolutely impossible. However, the present day is 21C Water Energy Era! We can make tap water into Water Energy by WE System. The construction of Green City is possible because of Water Energy that uses water as a thermal source.

In order to build the Green City of energy self-sufficiency and no pollution, we need a Green Incinerator that does not emit any pollution. From now, let's build the Green Incinerator perfectly free from pollution to construct the Green City with energy self-sufficiency.

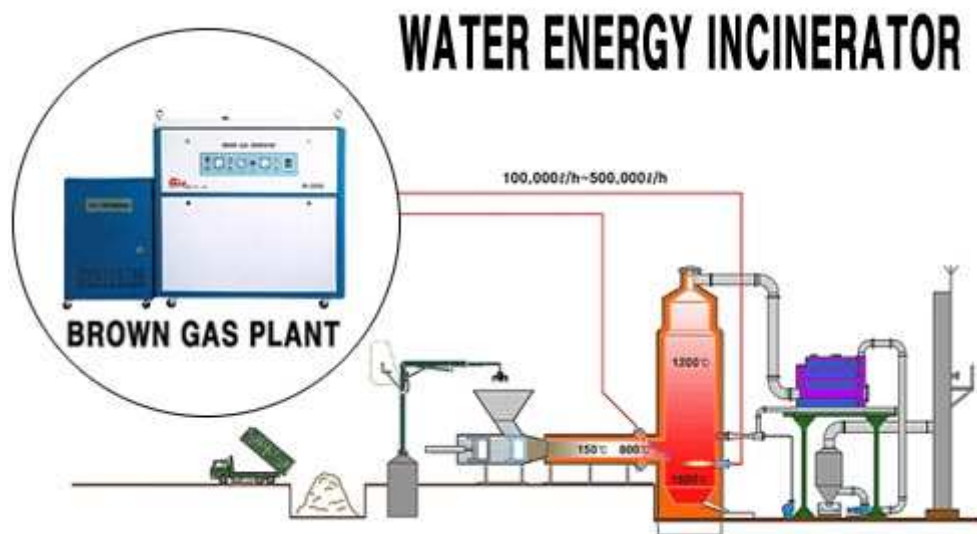
As described previously, WE Incinerator(Brown Gas High Temperature Pyrolysis Melting Incinerator by WE System) disposes every municipal waste perfect and clean. It remains no ash and no air pollution. It is literally a perfect no pollution Green Incinerator. If we use steam from a waste heat recovery boiler of the Water Energy Incinerator, we can make a district heating with cogeneration and it is more than enough for the Green City.

WE Incinerator(Brown Gas High Temperature Pyrolysis Melting Incinerator by WE System) is a perfect no pollution incinerator linked and composed of BROWN GAS PLANT includes a Line Style Electrolytic Cell, the world class invention, and MELTING INCINERATOR made by a unique heat generation technology. Namely, it makes tap water into Brown Gas to generate heat and dispose all of waste by melting.

Brown Gas High Temperature Pyrolysis Melting Incinerator has a combustion chamber that has a most complete combustion condition. In the chamber, combustion heats of syngas and the same of Brown Gas make a synergy each other to create high temperature of 1400~1800°C. Because the high temperature melts everything, it has a

feature that no ash comes out.

In other words, if we construct the Green City of energy self-efficiency that solves energy/environment problems simultaneously by WE System, it is literally the Green City of Green Growth Era that does not use fossil fuels and use energy self-sufficiently. 21C Water Energy Era is the Green Growth Era. Water, the limitless resource, changes the world. The dream of an energy independent country become realized.



Brown Gas High Temperature Pyrolysis Melting Incinerator by WE System