

[Anglo East](#)

Malaysia, Booth No.: 2-H17

XXL Natural Plant Bio-Enhancer - is a newly formulated organic product of bio enhancer and essential plant nutrients. It is 100% natural and free of chemical substances and toxic. XXL Natural Plant Bio-Enhancer can effectively: 1/ improve the soil quality, increases the fertilizer and water retention capacity; 2/ enhance the ability of plants to absorb nutrients, maximizing the effectiveness of fertilizers; and 3/ meliorate and increase the growth of the plant's roots, stems, leaves, flowers and fruits, as well as the fruit's sweetness and production. For all crops, plantations, urban and private gardening, green garden and golf course etc.

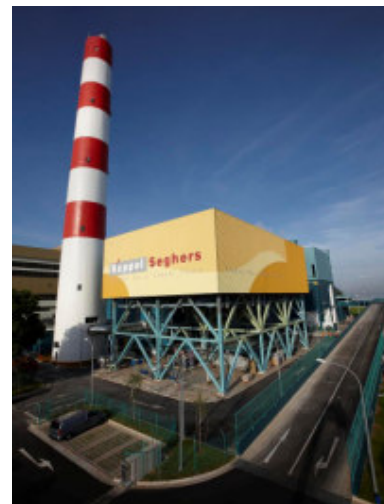


XXL Bio Fuel Enhancer - is made from pure palm oil, it is 100% natural and organic. It contained high quality, powerful fuel molecules that boost energy. A drop of XXL will enhance the quality of around 1 litre of fuel. XXL not only could (1) improve the combustion process and increases engine power output; (2) save fuel consumption; (3) reduce smoke and toxic gas emissions; (4) its lubricating ingredients could avoid the generation of Nitro-oxide from engine overheating, which will damage the ozone layer. In addition, XXL Bio Fuel Enhancer could (5) clean carbon deposits naturally, greatly reduce the mechanical maintenance and repair costs. It allows us to protect the environment and achieve economic benefits simultaneously. Suitable for sea, land and air transportation, heavy machinery, power generators and stations etc.

[Keppel Integrated Engineering Limited](#)

Singapore, Booth No.: 2-E22

Keppel Integrated Engineering (KIE) is the environmental technology and engineering arm of Keppel Corporation Limited, a company listed in the Stock Exchange of Singapore. With its proprietary technologies and know-how in water, wastewater and water reuse, as well as treatment of municipal solid waste, biosolids, hazardous and medical waste. KIE offers complete water and thermal environmental solutions ranging from consultancy, design and engineering, construction, operation and maintenance of treatment facilities for municipal and industrial clients. In addition, KIE also offers an integrated range of expertise for mission critical facilities management and central district heating and cooling.



[Charankattu Coir Mfg Co \(P\) Ltd](#)

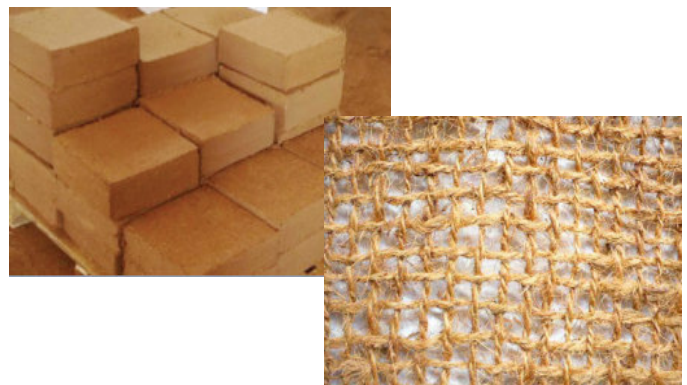
India, Booth No.: 2-D16

Coir Geotextiles

CCM Coir Geotextiles & CCM Coir stitched Blankets are very effective in controlling Soil Erosion in Slopes. It is Natural and Biodegradable, last nearly 24-36 months and helps plant growth, hold the soil till the roots of the plants takes over the job of Soil Protection and then Biodegrades.

Coir Pith Blocks

Coir Pith Blocks is ideal for water retention and Horticulture as a growing medium. It is an ideal substitute for peat moss.



Von Nordenskjöld Verfahrenstechnik GmbH

Germany, Booth No.: 2-F22

Waste water treatment plants aerobic
waste water treatment plants anaerobic
Biogas production plants for solid and liquid waste

1. Biolak waste water treatment system

Since 1972 the **BIOLAK**® waste water treatment system has been systematically developed with the assistance of 9 research projects. The first plants were only designed for a few hundred p.e. and due to subsequent development plants of sizes up to 3.000.000 p.e 60 (1 p.e = 0,06 kg BOD5/d) were constructed. Meanwhile more than 750 **BIOLAK**®-plants have been installed worldwide. The **BIOLAK**®-Process is worldwide protected by several patents.

BIOLAK® advantages:

1. High treatment standards
2. Reliable cleaning and high process stability
3. High buffering capacity against water- and pollution peaks
4. Biological phosphate- and nitrogen elimination
5. Low sludge production due to clever dimensioning
6. Low space demand and favourable investment costs due to the integrated construction type
7. Favourable operating costs due to low personnel costs, low energy consumption and low excess sludge
8. Construction that fits nicely into the landscape
9. High developed, reliable, and solid technique



2. Skjöldgas anaerobic wastewater treatment and Biogas production

The anaerobic **SKJÖLDGAS** waste water treatment plants are suitable for highly polluted waste waters with COD values from approx. 2000 mg/l up to many thousands of mg/l. Simple construction with HDPE lined earth basins and integrated acidification, gas storage and final clarification result in low investment and operation costs and accordingly short payback periods. The low volume load (approx. 5 kg COD/m³ /d) and double-stage configuration with „adapted“ anaerobic sludge lead to a maximum of energy production and high process stability. Further advantages of **SKJÖLDGAS** are less space demand (only approx. 25 % compared to aerobic cleaning), low maintenance costs, equalization of the produced gas during a period of one week, and optimal use for alternative energy production.



[AI Research \(Malaysia\) Sdn Bhd](#)

Malaysia, Booth No.: 2-D24

ASPIRO™

ASPIRO™ has unequalled experience in designing and manufacturing of air ventilation products for every infrastructure and industry application. From standardized to customized configurations, our expertise improves air extraction, cooling, cleaning and supply processes

We take care of end to end solutions and everything in between. Improving operating efficiency of HVAC by reducing energy cost is the key benefit of our system.

ASPIRO™ serve areas such as airports, hotels, public buildings, schools, homes, offices, hospitals and clean environments

INESQUE Recess Module

The INESQUE Recess Module is specifically designed to treat the contaminated indoor air where people work or relax, such as restaurants, bars, offices, designated smoking areas, medical institutions and homes.



NOETUS Ceiling Module C with LED Lighting

The Noetus Ceiling Module with LED combines ASPIRO's patented technology in Indoor Air Quality as well as energy-saving technology, creating an innovative luminaire product that results in healthy air quality as well as energy efficiency.

Solar Energy System

ASPIRO's Solar home systems are designed to reduce typical energy usage in homes, by replacing it instead with solar energy generated by sunlight. An environmental-friendly and efficient way to power standard household appliances using clean, renewal energy source.



[Scientec Lab Center Co., Ltd](#)

Korea, Booth No.: 2-G16

Odor Catch (Air Quality monitoring system)

Odor Catch is Odor measuring equipment made by our firm areepochal products which were made on the basis of the gas sensor output signal interpretation technology developed by our company for accurate measuring and analyzing odor strength (OI), density (Concentration) of stench materials.

Aqua safeguard (Water Quality monitoring system)

Aqua safeguard is water quality measuring equipment are made for providing clean and fresh water to people on the basic of measuring and analyzing underground water, industrial & domestic sewage, lakes, rivers and sea water.



AI Research (Hong Kong) Limited

Hong Kong, Booth No.: 2-D26

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The USA Pavilion

Arquitectonica

USA, Booth No.: 2-L11

**Architectural Design Services
Master Plan Design Services
Landscape Design Services
Services for Sustainable Design in Architecture**

Arquitectonica is a full-service architecture, interior, landscape and master planning design firm that began in the USA thirty-four years ago. Led by Bernardo Fort-Brescia and Laurinda Spear, the studio has evolved into a practice of over 500 professionals, combining the creative spirit of the principals with the efficiency of delivery and reliability of a major architectural firm.

With projects in 35 countries, today Arquitectonica has a practice across the world directed from offices in Miami, New York, Los Angeles, Paris, Madrid, Dubai, Hong Kong, Shanghai, Manila, Lima, Sao Paulo and Buenos Aires.



DENT Instruments Inc

USA, Booth No.: 2-K13

Energy measurement and monitoring equipment
DENT Instruments' professional energy loggers and submeters are compact and low-cost instruments for recording and tracking energy use. These products pinpoint electrical usage and quantify consumption by measuring, storing, and analyzing key electrical parameters. They are compact and rugged devices that offer a superior price and performance value to the customer.



Global Energy Resource

USA, Booth No.: 2-H12

Food Waste to Compost Machine

Food waste to compost machine from 2kg to 100kg capacity. No micros or additives need to be added. Food waste to compost can be finished in 10-18 hours. Water can be discharged to drainage directly. Composts are 80 dry. It is suitable for Industrial and household use.



[One-Cycle Control, Inc.](#)

USA, Booth No.: 2-H14

OCC-GTI (grid-tied inverter)
OCC-ESP (energy storage platform)
OCC-APF (active power filter)
OC-BDC (bidirectional converter)
OCC-PFC (power factor corrected rectifier)

Invented at California Institute of Technology and University of California, developed under US department of Energy, California Energy Commission, California Institute for Energy and Environment, One-Cycle Control provides high-efficiency, ultra-fast, small-size, and high reliability products from KW to MW for the renewable, smart grid, energy storage, power quality control, and efficient energy use.



[M-Tech International Corporation](#)

USA, Booth No.: 2-J17

Aqua-Sur Water Filter

Aqua-Sur Water Filter is made of non-leaching, BPA-Free food grade housing materials. It is reusable and 100% recyclable. It can filter up to 99.99% of all tap water contaminants. In addition, it meet EPA/ANSI protocols and NSF Standards 42 & 53. In environmentally sound, each filter replaces up to 800 single-use 16 oz. Plastic bottles of water.



[Hadronex Inc](#)

USA, Booth No.: 2-J15

The Smart Cover® System

The Smart Cover® System provides worldwide, risk and asset management using satellite based data acquisition and telemetry. Over 1000 systems have been deployed and have prevented over 3,000 sewer spills. The vault monitoring is used in large power facilities to prevent water damage to electrical systems. The air pollution monitoring is deployed to measure and manage Hydrogen Sulphide risks to the public.



US Hybrid Corporation

USA, Booth No.: 2-H20

US Hybrid Corporation specialise in the design and manufacture of power conversion systems for medium and heavy-duty electric, hybrid and fuel cell commercial buses and trucks to enable them to become more reliable and fuel-efficient, with lower emissions and better responsiveness.

Medium Duty Integrated Electric Drive System “EDU160” For Electric and Hybrid bus and trucks (GVWR < 15T)

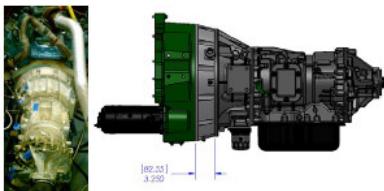


The Control Electronic Unit (CEU) is a compact high power controller targeted for motor drive and APU power generation application. This converter was designed for high efficiency through the use of state of the art semiconductor components. Integrated control software enables fast response times and safe operation. The CEU is capable of driving either PM or induction motor.

Motor: EDU160 is an induction motor with integrated gear reduction gear, desired for heavy duty electric hybrid vehicle and off-road application rated 160kW with over 1750Nm of shaft torque. High efficiency, power and torque density induction liquid cooled motor with integrated in-line gear planetary reduction unit with DANA Yoke interface and parking brake option.

Applications: Electric drive system for commercial Bus and trucks GVWR <15T and Off-road trucks for ports operation and warehouse deliveries.

Integrated Starter / Generator, Parallel hybrid system For Medium Duty buses and trucks GVWR <20T



This ISG system is utilizing a permanent magnet Generator / motor designed for medium duty electric and hybrid vehicles and mobile generator applications. High torque and power density with excellent energy efficiency. When used in conjunction with our Control Electronic Unit, it can be operated over a wide dynamic range. It can operate in either torque or speed control mode with full control of DC current, power and operating voltage. The system offers extensive J1939 CAN compliance and RS232 diagnostics. It can be used as a hybrid drive motor or generator with command and control via CAN/J1939. The MT18 interfaces with SAE2, Engine and Transmission interface.

DC-DC converter to provide 12V and 24V, up to 10kW Isolated auxiliary power from the battery high voltage system For Electric and Hybrid Vehicle



The DC07 series of converters has been designed for medium and heavy duty hybrid electric and fuel cell vehicles. It uses our advanced Digital and analog processing and high frequency ZVS switching to achieve high power density with low noise.

Clearwater Environmental Services Inc

USA, Booth No.: TBC

Municipal Wastewater Treatment Plants

Our CES WASTEWATER TREATMENT TECHNOLOGY is US and PCT patented. It is the world most advance wastewater treatment, most cost effective, most environmental friendly, most energy saving, most easy to run treatment system. It can clean up municipal wastewater 20 times faster than most treatment system yet the clean water output also meet all government required standard. It require 50% less energy and manpower to operate. The sludge from our system can be burn to produce electricity and supply back to the city where the wastewater coming rom. It suitable for all countries no matter they are rich or poor to use. If you need to clean up your dirty water, give us a call, we can design, build and train your people to operate our treatment facility.



eGauge Systems

USA, Booth No.: 2-K14

eGauge Energy Monitoring

eGauge is a multi chanel energy meter monitoring systems, with build in solid state memory and web server.



Springboard Biodiesel

USA, Booth No.: 2-H18

BioPro™ Biodiesel Processing Appliances. These convert waste cooking oil (or jatropha) into ASTM-grade biodiesel for less than \$1.00 USD/gallon.

Springboard Biodiesel's patented line of BioPro™ biodiesel processing appliances enable our customers to turn virgin or used cooking oil into government grade biodiesel for less than \$1.00 USD / gallon. The BioPro™ is fully automated and as easy to use as a washing machine.



[SGCC Global](#)

USA, Booth No.: 2-L15

Product / Service Description

The patented Nowa One Process eliminates nearly 30% of the cost of wastewater sludge disposal (based on U.S. estimates). The process eliminates the need for sludge incineration, disposal in landfills or land application. This improves air quality where incineration is used; water quality in rivers, streams and in ground water where sludge is land applied. The process eliminates any need to dispose of sludge in scarce landfill space. the Nowa One process is simple and efficient, it produces oil of 15-20% by weight with 17,000-18,000 BTU's per pound using a low-temperature, low-pressure proprietary process.

[McWong International](#)

USA, Booth No.: 2-J19

Product / Service Description

Motion sensor which will turn on / off depending on the room occupancy which can save up to 40% of energy usage for the application. Wireless communication control employs the Zigbee technology to control different lighting components through wireless signal. McWong's LED driver has the advantage of high efficiency and high power factor.



[ThermoEnergy Corporation](#)

USA, Booth No.: 2-L19

ThermoEnergy ARP Ammonia Recovery System

ThermoEnergy CAST® Wastewater Recovery System

ThermoEnergy offers today's most advanced solutions for clean, sustainable recovery of wastewater, heavy metals, chemicals, nutrients, and ammonia / nitrogen. Utilizing our award-winning CAST technology platform, we can design, engineer, manufacture and install a system that will help you achieve your efficiency and environmental goals. Our systems typically achieve payback in about two years by recovering your process chemistry for reuse or recycle.



[GreenTech Fund California Inc](#)

USA, Booth No.: 2-H16

Product / Service Description

We are a strategic partner with Jiangsu Province's Jianguyin Development Zone to license technologies from the U.S. in the field of water treatment and reclamation, renewable energy and energy reduction.

Stevens Water Monitoring Systems, Inc

USA, Booth No.: 2-K17

**Hydra Probe Soil Sensor;
DL3000 Data Logger
Water Level Sensors; (SDX Pressure Sensor; SD1-12 Shaft Encoder)
Bluetooth Radio**

DL3000: The Stevens DataLogic 3000 is an ideal data logger for the recording of environmental monitoring data and communication. The DL3000 features popular data I/O's including SDI-12, RS-232, Analog, Pulse, and USB 2.0. The DL3000 features 2 Gigabytes of internal memory and an SD card for easy data backup and download. External data communication can be easily achieved by connecting the DL3000 to a telemetry device such as a cellular data modem or satellite radio.



DL3000



HydraProbe

Hydra Probe: Stevens Hydra Probe II is an in-situ soil probe that measures 21 different soil parameters simultaneously, with digital output (SDI-12 or RS-485). The Hydra Probe instantly calculates soil moisture, conductivity, salinity, and temperature, as well as supplying voltage outputs for research applications. The Hydra Probe's compact, fully-potted design is ideal for installations in extreme conditions or where the probes will be left installed in the field for many years. The Hydra Probe performs well in high-saline soils, and comes with a five-year manufacturer warranty.

The Shark: The Shark is a low-cost wireless solution that converts your data logger or industrial equipment into a Bluetooth wireless-enabled communications instrument. The Shark can communicate data with any other Bluetooth device (such as a laptop computer) or with another Shark over a 100 meter (300 ft) range. The Shark can also facilitate direct serial communication between two pieces of equipment, and has been designed to act as a wireless replacement for RS-232 or RS-485 communication cables, easily enabling wireless communication between devices.



Shark

Crenatus Inc

USA, Booth No.: 2-L17

Energy & Environmental Intelligence Management Systems (EEIMS)

EEIMS offers comprehensive Energy and Environmental Intelligence (E+EI) management solutions by collecting observed data from multiple locations. Powered by solar PV, the collected data is transmitted to a central database via mobile phone / data networks for effective analysis and reporting.



Energy & Environmental Intelligence Management Systems (EEIMS)

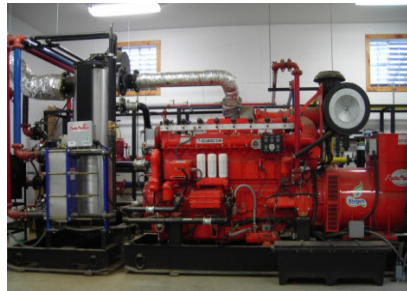
CRENATUS

RCM International LLC

USA, Booth No.: 2-J20

Biogas and Electricity - Digesters

RCM International will provide information about anaerobic digester systems and creating reusable energy.



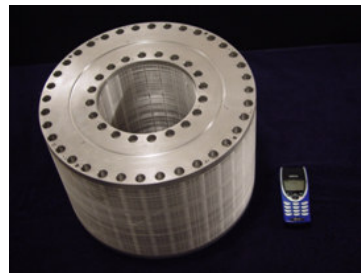
Zess Inc

USA, Booth No.: 2-K15

High Efficiency / High Temperature Micro-Channel Heat Exchangers

- Gas Combustion Turbines
- Hybrid Turbine-Battery Vehicles
- Industrial Process Heat Recovery
- Aerospace
- Thermo acoustics
- Intercoolers
- Fuel Cells

Highly effective heat exchangers are integral components in various energy saving systems. Counter flow, robust micro-channel heat exchangers by Zess Inc are manufacturerd of high temperature alloys and exceed 95% effectiveness.



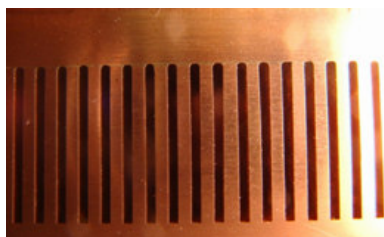
For exceptionally high temperature applications micro-cheannel heat exchanger components are fabricted entirely of high temperature material and diffusion bonded to allow for robust, long term use without fatigued faliture.

Advantages:

- Improves the thermodynamic efficiency of most systems.
- High rate of heat transfer translates into a smaller physical size.

Micro-Channel Heat Sinks

- CPU Cooling
- IGBT Cooling
- Electronics
- Batteries Electric Vehicles
- Air Cooled
- RoHs Compliant
- Diffusion Bonded Micro-Channels
- Channel Down to 50 Microns



Provided Thermal Management Systems for: IBM, Dell Sun Micro, Delphi, NREL

Applied Filter Technology

USA, Booth No.: 2-K12

SAGPack - Gas compression, moisture removal.
SulfrPack - Sulfr removal system
SAG - Siloxane, volatile organics

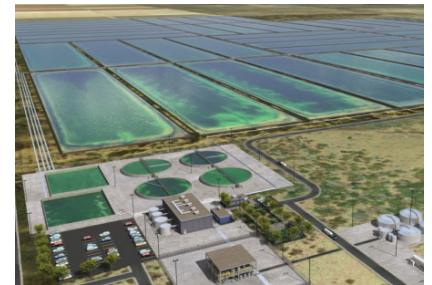


Harris Group Inc

USA, Booth No.: 2-K20

Consulting, process expertise and multi discipline engineering and design

Harris Group provides consulting, process expertise, and multidiscipline engineering and design. We help our customers select and implement capital and maintenance projects that improve their competitive positions.

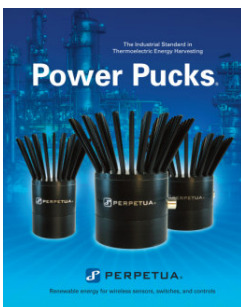


Perpetua Power Source Technologies Inc

USA, Booth No.: 2-K18

Renewable energy solutions for wireless sensors (Thermoelectric Technologies)

Power Puck®: Perpetua has developed the first full, “plug and play” renewable thermoelectric solutions that generate electricity from waste heat and has built a broad technology platform that can provide flexible solutions spanning a wide range of sensor applications. The Power Puck® is a fully integrated power source that incorporates renewable energy generation, energy storage, and power management electronics to deliver regulated energy just like a renewable battery that replenishes itself over time. Unlike other energy harvesters, there are no electrical design modifications necessary for use,, saving engineers years of design costs. Installing these innovative products is as easy as placing a magnet on a piece of metal – simply attach to a warm surface and plug into the wireless sensor node for years of renewable energy.



[The State of Oregon, Business Oregon](#)

USA, Booth No.: 2-K16

Environmental Technology, Energy Efficiency Products, Green Building Design

We are a government agency that assist Oregon companies to export: Environmental Technologies, energy efficiency products and green building design.

[Bay Area Center for International Trade Development Center](#)

USA, Booth No.: 2-J18

Products / Services Categories

Eco-friendly Product

Green Building Solutions & Services

Interested to meet with

Architect, Building, Design, Survey & Contractor

School / Institute

Transportation & Logistics

[SoloPower](#)

USA, Booth No.: 2-K11

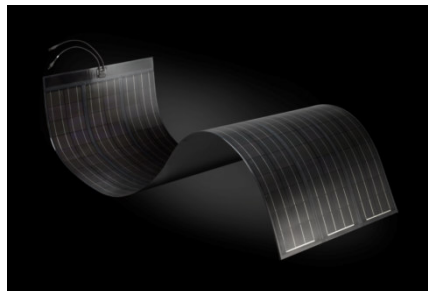
Products / Services Categories

Energy Efficiency & Energy

Green Building Solutions & Services

Product / Service Description

SFX1-I and SFX3-i



[Tesla Motors](#)

USA, Booth No.: 2-J11

TESLA ROAOSTER

Tesla's goal is to produce a full range of electric cars, from sports cars to mass-market vehicles – relentlessly driving down the cost of electric vehicles. It is currently the only U.S. automaker that builds and sells highway-capable EVs in serial production. Palo Alto, California-based Tesla designs and manufactures EVs and EV powertrain components. Tesla has delivered more than 1,800 Roadsters to customers in North America, Europe and the Asia Pacific Region. Model S, the first premium sedan to be built from the ground up as an electric vehicle, goes on the market in mid-2012.

[Met One Instruments](#)

USA, Booth No.: 2-K19

Environmental monitoring solutions: BAM-1020 and BT-637

Met One Instruments is the leading manufacturer of environmental monitoring equipment. Our product lines include ambient air quality, handheld air quality, meteorological and wind energy devices to precisely and accurately monitor environmental conditions.

BAM-1020 is the major product of our business, it's for outdoor air quality monitoring used mainly for Government Agencies or industry to measure PM10 and PM2.5. It is the world's first instrument to obtain U.S. EPA FEM designation for continuous PM2.5 monitoring, when configured with the specific setting and accessories. BT-637 is a particle counter for indoor use such as clean rooms or factories.

[Nowa Technology](#)

USA, Booth No.: 2-L13

Product / Service Description

Nowa Technology eliminates 100% of wastewater treatment sludge, leaving only oil and cellulose (which can be used to fuel the process). This affordable process eliminates the major environmental impact of current wastewater treatment sludge disposal methods and substantially reduces annual operating costs.

The patented Nowa One Process eliminates nearly 30% of the cost of wastewater sludge disposal (based on U.S. estimates). The process eliminates the need for sludge incineration, disposal in landfills or land application. This improves air quality where incineration is used; water quality in rivers, streams and in ground water where sludge is land applied. The process eliminates any need to dispose of sludge in scarce landfill space. The Nowa One Process is simple and efficient, it produces oil of 15-20% by weight with 17,000-18,000 BTU's per pound using a low-temperature, low-pressure proprietary process.

