



WORLD BIOGAS
ASSOCIATION

1ST INTERNATIONAL BIOGAS CONFERENCE

EUGENIDES FOUNDATION | ATHENS MARRIOTT HOTEL

www.wbac19.org

MAY 2019 **3-4**

ATHENS / GREECE

FINAL
PROGRAMME

ORGANIZING COMMITTEE
WORLD BIOGAS ASSOCIATION
ERA CONGRESSES & EVENTS



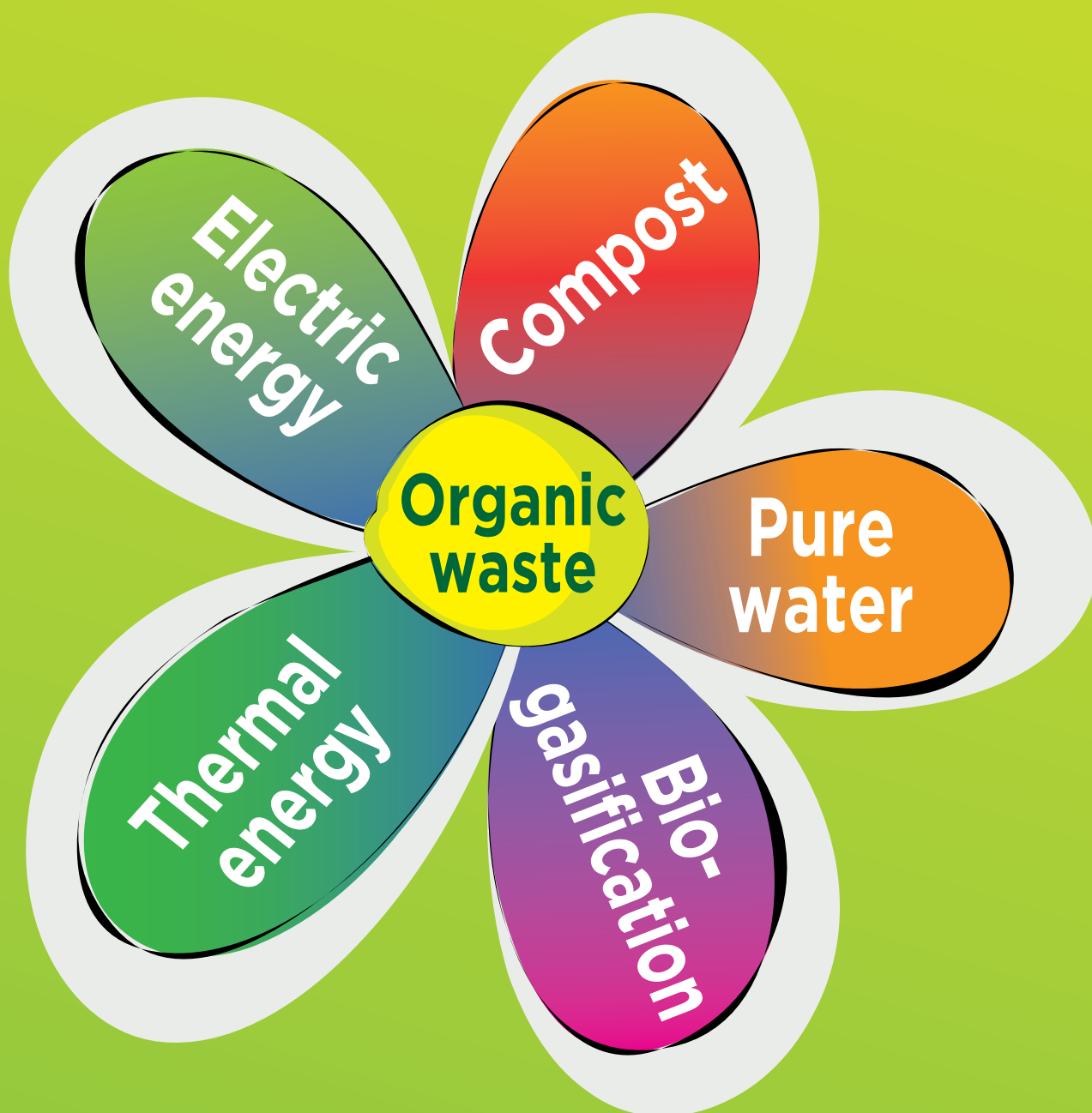


S.E.S.A.

SOCIETÀ ESTENSE SERVIZI AMBIENTALI S.p.A.

The organic material that enters the bio-digester undergoes a transformation process through fermentation which is called bio-gasification.

From here the cooled down biogas goes to fuel some large co-generation systems that transform it into electric and thermal energy.



S.E.S.A.
SOCIETÀ ESTENSE SERVIZI AMBIENTALI S.p.A.

via Comuna, 5/b 35042 Este (Pd)
tel. 0429.612711 www.sesaeste.it

President's Welcome Note

MAY 3-4, 2019
ATHENS, GREECE



Welcome to Athens and the 1st WBA International Conference.

It is indeed a pleasure to be able to host you here in this beautiful historic city and with a programme that we hope will make the journey more than worthwhile.

Let me thank first of all the organisers at ERA Ltd for their hard work and the team at WBA for helping on the programme development. Then I want to thank the sponsors for their contributions which have helped make the event possible, and the authorities in Greece for supporting the event.

Indeed the patronage of the Hellenic Ministry of Environment & Energy, the Hellenic Ministry of Rural Development and Food as well as the City of Athens illustrates the interest here in Greece around the issues of biogas, renewable energy and sustainable development.

We are in a critical moment in history - with climate change intensifying day by day the urgency increases to decarbonise our economies and drastically reduce GHG emissions. The irony is that we have both the technologies and the international agreements to enable all this to happen, but we do not yet have the political will and the finances in the right place as enablers.

Biogas can provide the technological solutions to treat huge volumes of biodegradable wastes, taking them out of the environment and reducing pollution and GHG emissions, whilst producing renewable energy and nutrients for our rapidly deteriorating soils.

We have to be optimistic and believe that we are capable of solving what often seems to be an insurmountable contradiction between economic development and environmental protection - progress does not need to be detrimental to air, water, soil and biodiversity quality, it can go hand in hand. But there is no time to lose and this conference will show how our sector is taking up that challenge now around the world.

I am looking forward to our two days together and thank you for participating.

David Newman
President
World Biogas Association

Mayor's Interview



First of all, I would like to thank the World Biogas Association for the opportunity to host the 1st International Biogas Conference in Athens, Greece.

Two of the greatest issues our world faces today are waste management and nature conservation. The sustainability goals set by the United Nations, pave the way for the implementation of policies that will enable states and local governments to create better and healthier living conditions for their citizens and visitors. Waste management spreads to every sector of our everyday lives and constitutes one of the main challenges we are called to face upon. Biogas, undoubtedly, constitutes one of the most prominent solutions for waste management and forms a substantial part of the global energy mix. The Biogas industry is booming in Greece, nowadays, and for this purpose we believe that the conference constitutes an excellent opportunity to communicate with leading experts on the valorization and production of biogas and it provides an effective way to network and create synergies with new business and existing partners.

The greatest challenge that Athens faces is that waste management currently mainly relies on landfill disposal. In order to tackle the situation, the Municipal Authority has made it an absolute priority to lobby for the closure of illegal landfills, the treatment of hazardous waste, and the obligation to increase recycling rates. At the same time, it invests largely in building awareness campaigns for the public towards social responsibility and efficient waste management practices in households and public buildings. The city of Athens implements policies and programmes to bring about efficient waste management practices, job creation and increased revenue. We are currently investing in separate waste collection and recycling procedures through the adoption of smart waste solutions and through the creation of modern waste treatment infrastructures aiming to improve the city's overall waste management performance. New Investments are also under way to enable the city to improve the waste management infrastructures for biodegradable waste streams.

Currently around thirty biogas plants operate in Greece, out of which only a few are at the outskirts of the city of Athens. Biogas is mainly used to cover the heat demands of the plants. In the area of Athens considerable energy is produced due to the operation of the Municipal Wastewater Treatment Plant (MWTP) of Psytallia and the Sanitary landfill (SL) of Ano Liosia, which treat liquid and solid waste respectively.

In Greece, biogas derives mainly from landfills, wastewater treatment plants and a couple of industrial applications. Although Greece has a promising potential of organic waste and especially animal manure, currently there is no farm scale biogas plant. We do hope that the 1st International Biogas Conference will lay the foundation for big scale farm biogas plants investments.

Nevertheless, the city of Athens, through the Life+ programme entitled "Bio-waste", has already tested and implemented at a pilot scale the Anaerobic Digestion technology in compost to produce biogas and vehicles fuels.

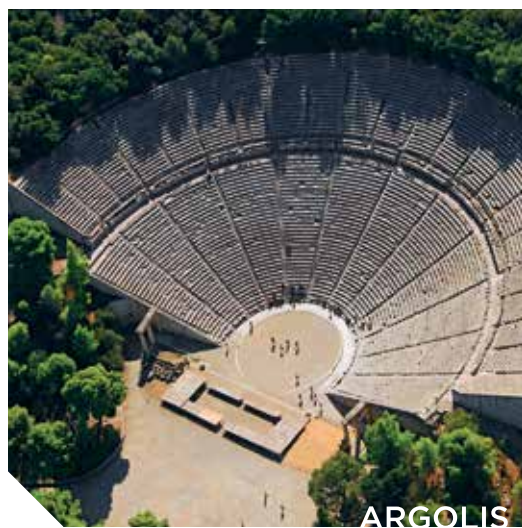
Therefore, there is sufficient background on utilizing biogas as a potential driver for the transition to circularity. Especially, we feel that if we focus on this sector we can further develop innovative strategies on how to extract value, create jobs and protect the environment.

I look forward to welcoming you to Athens.

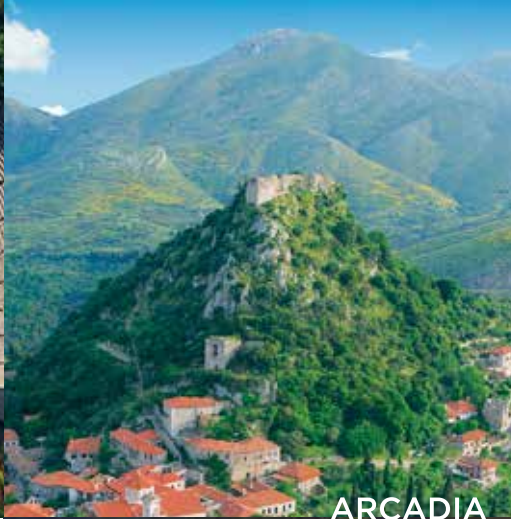
Georgios Kaminis
Mayor of Athens



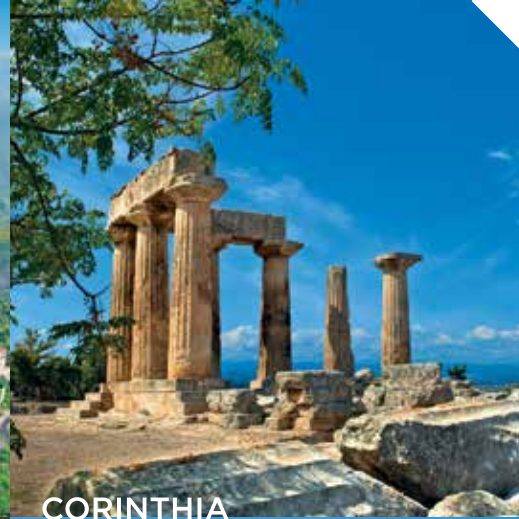
MYTHICAL PELOPONNESE



ARGOLIS



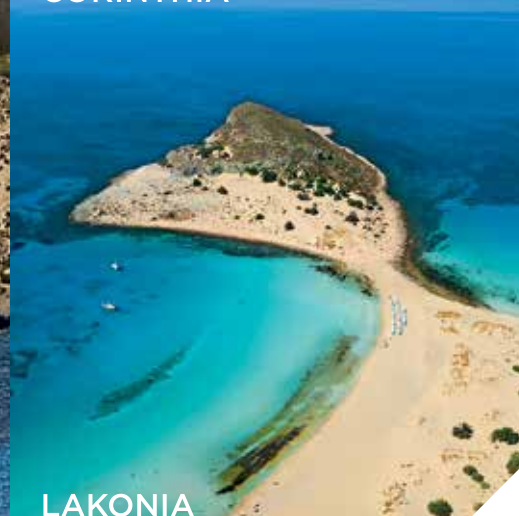
ARCADIA



CORINTHIA



MESSINIA



LAKONIA

Our aim is to
deliver a clean,
safe, prosperous
and healthy
destination for
travellers to visit
and citizens to live,
work and play!

- Creation of modern, integrated facilities for treating and disposing solid waste
- Environmental sound management of industrial, medical and hazardous waste
- Construction of suitable transfer station networks and recycling centres
- Selective collection at source and further recycling of municipal waste
- Water treatment and sea or brackish water desalination
- Wastewater and sewage treatment
- Energy Recovery from organic waste

Programme

FRIDAY 3rd MAY

09:15-09:45 Welcome & Introduction to the Conference
David Newman, *President, World Biogas Association*

Keynote addresses

09:45-10:15 **Dr. Janez Potocnik**, *Co Chair of the International Resource Panel at the United Nations Environment Programme*

10:15-10:45 "Biomass in Greece"
Myrsini Christou, *Head of Biomass department, CRES – Center for Renewable Energy Sources and Saving*

10:45-11:05 *Coffee break, networking and exhibition*

11:05-11:35 "Anaerobic Digestion: a strategic process unit in integrated biorefineries"
Prof. Maria Loizidou, *National Technical University of Athens*

11:35-12:05 "How might changes in carbon pricing affect the economics of biogas plants"
Dr. Dominic Hogg, *Founder and Chairman of the British environmental consultancy Eunomia*

12:05-12:25 "Biogas, climate change, sustainable development"
David Newman, *President, World Biogas Association*

12:25 -12:45 *Questions and answers with the morning session speakers*

12:45-13:45 *Lunch break, networking and exhibition*

Session #1 | Experiences on Food Waste Management

13:45-14:05 "City of Oslo programmes for food waste collection and biogas production"
Marit Soleim, *Project Manager Waste-to-Energy agency (EGE), City of Oslo*

14:05-14:25 "The success of food waste collections and biogas production in the City of Milan"
Dr. Alberto Confalonieri, *Chair of the Technical Committee, CIC*

14:25-14:45 "Challenges and opportunities of waste management around the City of Athens"
George Broulias, *Vice – Mayor of the City of Athens for Waste Management*

14:45-15:05 "The framework legislation in Greece for the collection and treatment of animal by- products"
Maria Papadaki, *Acting Director of the Veterinary Public Health Directorate – General Directorate of Veterinary Services*

15:05-15:25 "ZERO WASTE Programme implemented to treat animal by-products and food waste in the first biogas plant built in the prefecture of Peloponnese"
Vasilis Lekaditis, *Chief Process Engineer, KAFSIS Bio*

15:25-15:40 *Questions and answers with the afternoon session speakers*

15:40-16:00 *Coffee break, networking and exhibition*

Programme

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FRIDAY 3rd MAY

Session #2 | Experiences from low to middle income countries

This session will look at how low to middle incomes countries are confronting the various challenges they face around energy independence, the management of biodegradable wastes, waste water treatment, and the financing of installations to handle the transformation to a low carbon economy.

16:00-16:15	"The use of biogas technology in Morocco for different sectors: energy potential and opportunities" Prof. Hassan El Bari , <i>President of Moroccan Association of Solid Waste</i>
16:15-16:35	"The New Biogas Paradigm in China" Chris Maloney , <i>Eisenmann Corporation</i>
16:35-16:55	"AD in Africa - a Kenyan experience" Dr. Mike Mason , <i>Chairman, Tropical Power</i>
16:55-17:15	"Utilization of biogas engines in Africa and India" Alex Marshall , <i>Clarke Energy</i>
17:15-17:35	"Case studies on multi purpose biogas re-use in various installations across the world" Sylvain Donnaz , <i>SUEZ France</i>
17:35-18:00	<i>Questions and answers with the speakers from Session #2</i>
20:00 -22:00	<i>WBA President's Dinner (*Invitation Only Event)</i>

SATURDAY 4th MAY

Session #3 | Operating Issues

This session will include speakers from companies that design, build and operate biogas plants and offers an exciting series of insights into the challenges they have faced and the opportunities they have found.

09:00-09:20	"Inspiring projects arise from reliable products" Hanna Richter , <i>Marketing Manager, Erich Stallkamp ESTA GmbH</i>
09:20-09:40	"Innovative and cost efficient digestate treatment for the production of solid fertilizer and irrigation water reuse" Dr.-Ing. A.Yfantis , <i>SYCHEM</i>
09:40-10:00	"Key issues for the successful exploitation of biogas derived by Municipal Solid Wastes (MSW)" Ioannis Boukis , <i>Director for Energy Projects, HELECTOR</i>
10:00-10:20	"Taking a plant from a concept to an industrial reality : Crossing the Valley of Death – Bridging the TRL Gap between Research, Innovation & Commercial Application" Thomas Minter , <i>Director, Malaby Biogas</i>
10:20-10:40	"A Bio-Carbon Future - Death and Resurrection of the AD Industry?" Dr. Mike Mason – <i>University of Oxford, UK and Chairman, Tropical Power Kenya</i>
10:40-11:00	<i>Questions and answers with the morning speakers</i>

Programme

SATURDAY 4th MAY

11:00-11:20	<i>Coffee break, networking and exhibition</i>
11:20-11:40	<p>"How SESA operated one of the world's largest plants with over 530,000 tonnes of food and green waste digested and composted in 2018"</p> <p>Wilbert Smeets, <i>Technical Director, SESA Italy</i></p>
11:40—12:00	<p>"DMT specializing in waste water treatment (sludge reduction with increase of biogas production) and the desulphurization and contaminant removal from biogas"</p> <p>Harmen Dekker, <i>Manager Business Development, DMT the Netherlands</i></p>
12:00-12:20	<p>"The most advanced pre&post treatment technologies for the highest performance in anaerobic digestion with complex substrates"</p> <p>Riccardo Gelter Wondrich, <i>BTS Biogas</i></p>
12:20-12:40	<p>"The industrial processes through all stages of construction at the cogeneration plant: consulting, design, production, installation, commissioning and service"</p> <p>Vladimir Oprescu, <i>AB Energy</i></p>
12:40-13:00	<p>"The Greek Experience in the biogas field"</p> <p>Konstantinos Nikakis, <i>Tetoros Machinery S.A</i></p>
13:00-13:20	<p>"The Sebigas project development for the Greek Agroindustrial market"</p> <p>Dimitris Mirtsos, <i>Sebigas</i></p>
13:20-13:40	<i>Questions and answers with speakers from the second morning session</i>
13:40-14:30	<i>Lunch break, networking and exhibition</i>
Session #4 Research and Innovation- the new frontiers for biogas	
14:30-14:50	<p>"Waste to energy biogas project near Athens"</p> <p>Dr. Petrocheilos, <i>General Manager, KIEFER</i></p>
14:50-15:20	<p>"Research projects in which the NTUA is involved"</p> <p>Prof. Maria Loizidou, <i>National Technical University of Athens</i></p>
15:20-15:50	<p>"An urban biorefinery to convert organic waste into bio-based plastics: the H2020 Res Urbis project"</p> <p>Dr. Francesco Valentino, <i>University La Sapienza, Rome</i></p>
15:50-16:20	<p>"How a by-product from biogas such as CO₂ can be converted into valuable new materials such as biodegradable bioplastics"</p> <p>Dr. Fabiana Fantinel, <i>Managing Director, Innoexc GmbH Switzerland</i></p>
16:20-16:40	<i>Questions and answers with speakers from the afternoon session</i>
16:40-17:00	<i>Closing Remarks</i>
17:30-19:30	<p>Farewell Cocktail Reception @ the Exhibition Area <i>(*open to all delegates & accompanying persons)</i></p>

Site visits

MAY 3-4, 2019
ATHENS, GREECE



SUNDAY 5th MAY

Delegates are given the unique opportunity to explore local Biogas Plants in Athens on Sunday 5th May.

The Site visit includes the following:

- Hotel Pick-up service from the Athens Marriott Hotel, (Headquarter Hotel of the 1st International Biogas Conference)
- Tour around the facilities and Q&A Session
- Presentation of the Biogas Plants
- Coffee and Refreshments
- Lunch Box
- Return Service to the Athens Marriott Hotel

Duration: 3,5-4 hours

Departure: 09:30

Return: 13:30



BEAL S.A. – Leader in generating renewable electricity & saving CO2 emissions



BEAL S.A. is a landfill gas powered plant jointly developed by HELECTOR S.A. and Energy Developments Ltd (EDL). HELECTOR, a member of ELLAKTOR Group, is one of the leading waste management companies in Southern Europe and operates a similar plant in Thessaloniki (5 MWe in Tagarades landfill), while another one (3,52 MWe in Mavrorahi landfill) is currently being implemented. EDL, a member of CKI Group, is an Australian company with >1.000 MWe inst. power on landfill gas and mining gas. With an installed capacity of 24,2 MWe BEAL operates successfully since 2001 and is one of the largest landfill gas powered plants worldwide. In 2018, BEAL generated 170 GWhe of renewable electricity and its operation resulted in emission avoidance of approx. 144.000 tons CO2. BEAL is fueled by the biogas extracted from the Ano Liosia-Fyli Sanitary Landfill, the entire drilling network being designed, executed and daily operated by HELECTOR.



MEGABIOGAS is a biogas company which produces electricity and heat through the anaerobic digestion of animal and plant waste from methane combustion. Its production is sold to the Public Power Corporation S.A Hellas for the needs of power distribution. The site visit will guide through the operational processes of biogas production.

We recycle waste into new materials and energy



Recovery and Recycling Industry

Plastic - Fertilizers - Energy - Biomethane

Social Functions

MAY 3-4, 2019
ATHENS, GREECE



Friday, May 3rd - 20:00 hrs



WBA President's Dinner (* by invitation only)

The President's Dinner will take place at an exquisite location, the **PREMIERE Restaurant**, located on the top floor of the Athinaeum Intercontinental Hotel.

The city's top restaurant with sweeping views of the Acropolis, Première gazes out onto the city of Athens from its lofty rooftop perch, with exquisite flavors and one-of-a-kind service. Award-winning for its imaginative French-influenced cuisine created from the freshest ingredients the Mediterranean has to offer, and complete with an impressive wine selection coming from both domestic and

international vineyards, the Première has a deserved place among the capital's best restaurants.

The President's Dinner is by invitation only!

Sponsored by the City of Athens and the City of Athens Convention & Visitors Bureau

Dress Code: Business Chic

*Invitation strictly personal

*Transfers will be provided to and from the Athens Marriott hotel



Saturday, May 4th - 17:30 hrs



Farewell Cocktail

(* open to all delegates and accompanying persons)

Eugenides Foundation

What a better way to wrap up a two day engaging, fully educational and inspiring international biogas conference than to network and exchange ideas with industry peers over a glass of wine and local delicacies. The Farewell cocktail will take place at the Foyer of the Eugenides Planetarium, the exhibition area of the International Biogas Conference.

Dress Code: Business Casual

Exhibitors



ENCO

ENCO Ltd designs, supplies and services sampling and monitoring systems for the waste management sector, industrial emissions and general environmental applications. Systems include biogas / landfill gas/ syngas composition & flow monitors, flue gas analysers and monitors, radiation protection monitors, gas detection systems, dust, ambient air and noise/vibration monitoring. With headquarters in Athens (GR) and offices in Thessaloniki and Nicosia (CY), we serve since 1991 the South-Eastern Europe region and the Middle East. MRU GmbH manufactures Emission and Gas Monitoring Systems such as a portable and stationary Flue gas - Biogas - Syngas analyzers for use all around the world. MRU employs more than 100 professionals in the German facility, 2.500m² in size and equipped with most modern manufacturing systems. Continuous innovation, highly skilled and motivated employees and top management are the source of success for MRU, now exporting to more than 70 countries worldwide.



HELECTOR

THE LARGEST GREEK COMPANY IN WASTE MANAGEMENT

HELECTOR is one of the leading companies with expertise in the field of waste management and energy production in South East Europe. With vertically integrated operation, the company is active in all aspects of the Design, Construction and Operation of modern waste treatment plants, in alternative fuel production and in biomass exploitation. With business activities in 7 countries, HELECTOR is the only Greek company that owns and applies state-of-the-art technologies. Through its German subsidiaries, it operates across the spectrum of biological waste management and partners with other European companies in modern waste management systems. Moreover, HELECTOR has significant expertise in the exploitation of Biogas that is produced in sanitary landfills, as well as wide experience in the Design, Construction and Operation of Power Plants, such as the 30MW Sanitary Landfill of Ano Liosia-Fyli, one of the largest worldwide. HELECTOR also participates in recycling and source separating applications.



KAFFSIS Bio - Industries S.A.

Committed to remaining at the forefront of waste management solutions in order to provide its clients with the most extensive range of services possible, KAFFSIS is leading the way in producing a real and positive impact for our environment, whilst providing immediate and long term solutions for both private and public organizations of all sizes. Our rate of growth speaks for itself and indicates that our services could not have arrived at a more crucial time. Thanks to our unique waste processing plants, we transform garbage into biofuels, biogas and cleaner alternative fuels. These can be used as a sustainable power source or can serve to produce other forms of energy, such as electricity. Our specialized equipment allows us to clean your water, soil or air as well as make your industrial equipment and commercial spaces cleaner, safer and more energy efficient.



APROVIS

Founded in 2000, APROVIS has pursued a strategy of continuous development to meet the requirements of our customers as an owner-managed and medium-sized specialist business. With export business accounting for more than 50% of turnover, we have incorporated the knowledge acquired from a wide range of markets into our business.



SEBIGAS

SEBIGAS is an Italian company specialized in the design and construction of biogas plants, converting organic substrates (farm and agricultural by-products, industrial waste and OFMSW) into biogas, for the production of electrical and thermal energy or biomethane. SEBIGAS operates as EPC contractor and Technology Provider offering customized plants to fit customer requirements achieving the highest performance possible. It is proved that SEBIGAS plants, over 80 plants in operation or under construction, ranging from 100kWe to 3MWe, guarantee 98% availability at the maximum power. SebiBio, Sebigas internal biological laboratory, can support customers from initial substrate analysis, achieving the correct plant diet for any available substrate. Since 2013 SEBIGAS operates in Thailand with SEBIGAS-UAC Co.Ltd and in Brazil since 2014 with SEBIGAS DO BRASIL Ltda. SEBIGAS, established in 2008, as part of Maccaferri Industrial Group, is growing in many other countries across Far East and North-America.



Exhibitors

MAY 3-4, 2019
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AEBE

A.E.I.M.A. SA handles:

- The supply, installation and maintenance of CHP Units designed and manufactured by the German Company **CATERPILLAR ENERGY SOLUTIONS GmbH**.
- The sales and service of industrial and marine diesel engine, as the official dealer in Greece for the German manufacturer **DEUTZ AG**.
- The assembly, sales and distribution in the Greek Market of DEUTZ continuous or emergency diesel generator sets with power output of 10-600KVA.
- The sales and service of marine diesel engines as the official dealer for **MITSUBISHI TURBOCHARGER AND ENGINE BV**.



WBA

The World Biogas Association is the global trade association for the biogas, landfill gas and anaerobic digestion (AD) sectors, dedicated to facilitating the adoption of biogas globally. We believe that the global adoption of biogas technologies is a multi-faceted opportunity to produce clean, renewable energy while resolving global issues related to development, public health and economic growth. We seek to represent all organisations working in the biogas industry at the international level across the world, including; national associations, biogas operators and developers, equipment providers, water companies, the agricultural sector, waste companies, and academic & research institutions.



Region of Peloponnese

The Region of Peloponnese is one of the thirteen Regions of Greece and has a total area of about 15,490 square kilometers. The main industry sectors of the region are Agriculture, Forestry & Fishing (9.8 % of total VGA of the Region), Energy Water Supply & Waste Management (7.3%), Manufacturing (13.4), Tourism (19.7). Peloponnese Region has based its economy on its two major agricultural products: raisin and oil. The cultivation of raisin, the famous currant — known as the “golden gold” during the 19th century—amounted to 70% of the total value of its exports. The production of cereals, wine, figs, olives, rice and cotton is quite common in the areas of Peloponnese. The orange groves of Laconia, along with the ones in Argolida and Corinthia, are the largest in Greece. Messinia and Laconia are famous for their extra virgin olive oil considered to be one of the best in the world. Tobacco is cultivated, similar to other agricultural products, such as vegetables and legumes. Environmental protection and transition to an environmental friendly economy” (ERDF 22%) is one of the main priorities of the Region for 2014-2020.



KIEFER

KIEFER TEK LTD is a Greek construction company with a high level of expertise and significant experience in the field of Renewable Energy. Our company undertakes projects as EPC Contractor, providing integrated solutions for the development, design, equipment supply, construction and maintenance of energy systems and primary sector systems like greenhouses and livestock farms. The main objective of its foundation is the construction and operation of RES power plants.

Our qualified personnel has an extensive experience in power stations. Its strategic priority is to implement optimal solutions and cutting-edge technology to the stations construction, combining the lowest possible investment cost with the maximum effective lifetime of a plant. KIEFER TEK LTD is been active in this field since 2014, having in its potential projects of a total power of more than 100 MW. It is one of the most successful and well-organized Greek companies in the booming energy sector, both in Greece and in Southeast Europe. It is already active also in other countries such as Cyprus, Bulgaria and Romania.



WORLD BIOGAS
ASSOCIATION

Making biogas happen



Membership

“

By coming together as an industry, we can drive the change needed to make anaerobic digestion and biogas thrive. Our mission is clear: to raise global awareness of biogas technologies and encourage their uptake as solutions to the challenges of our times.

”

**David Newman, President
World Biogas Association**

worldbiogasassociation.org

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MAY 3-4, 2019
ATHENS, GREECE



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Speakers

MAY 3-4, 2019
ATHENS, GREECE



The 1st International Biogas Conference Organizing Committee welcomes a faculty of acclaimed speakers.



Dr. Janez Potočnik, Co-Chair of International Resource Panel hosted by United Nations Environment Programme. Chairman of The Forum for the Future of Agriculture and the RISE Foundation and a Member of the European Policy Centre's Advisory Council.



Harmen Dekker, Manager Business Development, DMT the Netherlands, he is responsible for the worldwide market with prime focus on the biomethane market.



Sylvain Donnaz, Strategic Development of Suez International as Global Market Leader for Waste Water and Biosolids infrastructure.



Thomas Minter, Director of Malaby Biogas, owner & operator of Bore Hill Farm Biodigester in Wiltshire.



Alex Marshall has the lead international role for Clarke Energy for marketing and compliance.



Prof. Maria Loizidou, Professor at the National Technical University of Athens in the School of Chemical Engineering and Head of the Unit of Environmental Science & Technology.



Alberto Confalonieri, Senior staff member of the Italian Composting and Biogas Association and chair of its Technical Committee. He takes part to several working groups of the European Compost Network.



David Newman, President of the World Biogas Association, co-author of the report Global Food Waste Management, an Implementation Guide for Cities, published in May 2018 by the WBA with C40 Cities Climate Leadership Group



Konstantinos Nikakis, Tetoros Machinery SA, company that is member of the group that constructed and operated 18 units and their extensions throughout Greece.



Christopher D. Maloney, Global Head, Organics Diversion Eisenmann Corporation and currently serves as Global Head of the Organics Diversion Group for Eisenmann Corporation.



Marit Soleim, Project Manager, City of Oslo, Waste-to-Energy agency (EGE). The Waste to Energy agency runs two optical waste sorting plants, a waste incineration plant and a biogas production facility where biogas is produced from household food waste.



Francesco Valentino, Assistant Professor at the Department of Chemistry of "La Sapienza" University of Rome. He is involved in four RIA-IA European H2020 projects.

Speakers



Myrsini Christou, Director of the Centre for Renewable Energy Sources and Saving, Ministry of Climate Change and Environment as leader of the Biomass department.



Ioannis Boukis, Director for Energy Projects, HELECTOR, and member of the BoD at BEAL S.A. one of the largest landfill gas fueled power plants worldwide.



George Broulias, City of Athens Vice – Mayor for Waste Management, delegated with the exercise of the responsibilities of the Directorate of Cleanliness, Recycling and Mechanical Equipment Maintenance.



Prof. Dr. Hassan El Bari, President of the Moroccan Association of Solid Waste (AMADES-Morocco) since 2005. He is Master Degree Coordinator Waste Management and Recovery.



Dr. Dominic Hogg, founder and Chairman of the British environmental consultancy Eunomia, applying technical and economic analysis to major environmental problems, mainly in respect of waste, resources, and the circular economy, but also, in respect of air quality, natural environment, marine issues, and climate change.



Chris Petrocheilos, General Manager KIEFER, a Greek Company with more than 10MW build and under construction biogas plants in Greece.



Vladimir Oprescu, AB Energy- a company based in Italy, with international operations. It carries out industrial processes through all stages of construction at the cogeneration plant: consulting, design, production, installation, commissioning and service.



Dimitris Mirtsos, SEBIGAS, an Italian company specialized in the design and construction of biogas plants, converting organic substrates into biogas, for the production of electrical and thermal energy or biomethane.



Hanna Richter, Stallkamp.de, is a German company constructing strong components for biogas plants, specialized in design, manufacture and assembly of high-quality stainless steel products.



Mr. Lekaditis Vasileios, KAFSIS S.A, Chief Process Engineer at the Storage- Intermediate Handling and Pretreatment Facility of ABP & Organic Waste of the company, in the Industrial Park of Markopoulo Attica.



Wilbert Smeets, Technical Director of SESA SpA, Italy, an Italian Company which runs one of the largest and most innovative waste treatment facilities.



Panagiota Papadaki, Ministry of Rural Development and Food -Head of the Slaughterhouse Department and from November 2018 Acting Director of the Veterinary Public Health Directorate – General Directorate of Veterinary Services.



Dr. Fabiana Fantinel, Managing Director at CO2BioClean GmbH, a Bioetch start-up, with the mission to turn industrial CO2 emissions into biobased and biodegradable natural polymers and at InnoEXC GmbH a management consulting boutique focused on Innovation Excellence for institutional clients and for start-ups.



Riccardo Geffer Wondrich, International Sales Manager at BTS Biogas, a leading Italian company that designs, produces, installs, manages and maintains biogas plants, with 200 plants built across Europe, Japan and South America.



water & waste

more than news



Our company A.Z.SUSTAINABLE MEDIA SERVICES L.T.D provides a range of specialized products and services in the field of communication for issues of Environmental Management and Energy Management.

It is a useful "tool" for the promotion of businesses operating in these fields. We provide information on current news, scientific developments, new products, technologies and applications that improve environmental and energy management services.

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Email: info@water-waste.com



BIOMETHANE

CLEAN ENERGY
FROM ORGANIC WASTE

**WASTE TO
ENERGY**

**WASTE TO
FUEL**



#UNMONDOMIGLIORE

