28th September - 1st October 2021 Theoxenia Palace Hotel, Kifisia, Greece

AGENDA



"Looking ahead with optimism, beyond the Covid era"

ENERGY TRANSITION SYMPOSIUM

ORGANISED BY -



UNDER THE AUSPICES OF —









DAY 1 – Adonis Room Tuesday, September 28, 2021

09.25-09.30 **WELCOME ADDRESS**

Spiros Papaefthimiou, Chairman, Hellenic Association for Energy Economics (HAEE); Assoc. Professor in Energy Management Systems and Energy Efficiency Technologies, Technical University of Crete

09.30-10.15 OPENING KEYNOTE ADDRESS AND DISCUSSION

Kostas Skrekas, Minister of Environment and Energy, Hellenic Republic

Towards a Green Energy Transition in discussion with:

Andreas Shiamishis, CEO, Hellenic Petroleum S.A.

Moderator: Kostas Andriosopoulos, Professor of Energy Economics, Audencia Business School;

Chairman, Board of Energy Transition of HAEE; President, Energy Committee of AmCham

10.15-11.00 Greek Energy Market Developments

Peti Perka, Member of Parliament Florina; Deputy Head of Environment & Energy Sector,

SYRIZA

Giorgos Arvanitidis, Member of Parliament Thessaloniki B; Director of Environment and

Energy Sector, KIN.AL.

Moderator: Spiros Papaefthimiou, Chairman, Hellenic Association for Energy Economics (HAEE); Assoc.

Professor in Energy Management Systems and Energy Efficiency Technologies, Technical

University of Crete

11.00-11.15 *Coffee Break*

11.15-12.15 REGIONAL COUPLING: THE ROLE OF POWER EXCHANGES IN SE EUROPE

George Ioannou, CEO, Energy Exchange Group

Konstantin Konstantinov, CEO, Independent Bulgarian Energy Exchange (digital)

Miloš Mladenović, Managing Director, SEEPEX (digital)

Septimiu Rusu, Development Manager, Romanian Commodities Exchange (digital)

Moderator: Victor Grigorescu, Former Minister of Energy, Romania (digital)

12.15-13.15 **ENERGY TRANSITION AND SUSTAINABILITY CHALLENGES**

POWERED BY GAIA

Maria Christantoni, Sustainability Officer, Hellenic Republic Asset Development Fund Theodora Antonakaki, Director of Climate Change and Sustainability Centre, Bank of Greece (digital)

Pantelis Capros, Professor of Energy Finance, National Technical University of Athens (digital)

Edmond Airantzis, co-Founder, New Energy Partners

Haris Doukas, Associate Professor, School of Electrical and Computer Engineering, National



Technical University of Athens (NTUA); General Secretary, HELORS

Moderator: José Maillet, Head of Gaia, Audencia Business School (digital)

13.15-13.30 HAEE ANNUAL AWARD CEREMONY

13.30-15.00 Lunch

15.00-16.30 THE FUTURE OF THE GREEK RES MARKET

Yiannis Yiarentis, President and CEO, DAPEEP **Giorgos Filiopoulos**, CEO, Enterprise Greece (digital)

Panagiotis Doumas, Director and Member of the Executive Committee, Howden-Matrix

Loukas Lazarakis, General Manager, Head of Energy Unit, Intrakat

Grigoris Marinakis, General Manager, Voltalia Greece

Konstantinos Mavros, CEO, PPC Renewables

Moderator: Tasos Garis, Founder and Director, Garis Partners

16.30-17.00 ACCELERATING THE DECARBONIZATION OF EUROPEAN ISLANDS

Keynote Address:

Alexandra Sdoukou, General Secretary of Energy and Mineral Resources, Hellenic Republic

In discussion with:

Spiros Papaefthimiou, Chairman, Hellenic Association for Energy Economics (HAEE); Assoc. Professor in Energy Management Systems and Energy Efficiency Technologies, Technical University of Crete

17.00-18.00 ENERGY SECURITY ISSUES IN THE EASTERN MEDITERRANEAN

POWERED BY ATLANTIC COUNCIL

Keynote Address:

Geoffrey Pyatt, US Ambassador to the Hellenic Republic

Richard Morningstar, Founding Director and Chairman, Global Energy Center at the Atlantic Council; Former US Ambassador to the Rep. of Azerbaijan, Former US Ambassador to the EU (digital)

Samuel Furfari, Professor of the geopolitics of energy, Free University of Brussels **Aristofanis Stefatos**, CEO, Hellenic Hydrocarbon Resources Management S.A. **Lucian Pugliaresi**, President, Energy Policy Research Foundation (EPRINC)

Moderator: Nikos Tsafos, James R. Schlesinger Chair for Energy and Geopolitics, CSIS (digital)



DAY 2 – Adonis Room Wednesday, September 29, 2021

09.30-09.45 COMBATING CLIMATE CHANGE IN THE AGRICULTURAL SECTOR — EUROPEAN GREEN DEAL AND NATIONAL POLICIES

Keynote address:

Spilios Livanos, Minister of Rural Development and Food

09.45-10.30 RESPONDING TO CLIMATE CHANGE: THE ROLE OF LOCAL GOVERNMENT

Giorgos Patoulis, Governor of Attica Region

Konstantinos Gioutikas, Vice-Governor of Development and Environment, Central Macedonia

Region (digital)

Dimitris Papastergiou, President, Central Union of Municipalities in Greece (KEDE); Mayor of

Trikala Municipality, Hellenic Republic (digital)

Moderator: George Kremlis, Principal Advisor to the Greek Prime Minister on Energy, Climate and Circular

Economy Issues; President, International "Circular Clima Institute" of the European Public Law

Organization (digital)

10.30-10.50 THE TRANSFORMATION OF THE GREEK DISTRIBUTION SYSTEM OPERATOR

Anastasios Manos, CEO, Hellenic Electricity Distribution Network Operator

Moderator: Thodoris Panagoulis, Editor in Chief, energypress.gr

10.50-11.10 Coffee Break

11.10-12.00 **EU Green Deal and the Fit for 55 Package**

Keynote Address:

Enrique Rubio Viguera, Spanish Ambassador to the Hellenic Republic

Rabia Ferroukhi, Director, Knowledge, Policy and Finance Centre, IRENA (digital)

Andrew Scorer, Lead Freight Analyst, S&P Global Platts (digital)

Michael Schmela, Executive Advisor and Head of Market Intelligence, SolarPower Europe

(digital)

In discussion with:

Nektaria Karakatsani, Advisor to the Minister of Environment and Energy, Hellenic Republic

12.00-12.45 REGULATORY DEVELOPMENTS IN SUPPORT OF THE ENERGY TRANSITION

Athanasios Dagoumas, President, Hellenic Regulatory Authority for Energy **Andreas Poullikkas**, Chairman, Cyprus Energy Regulatory Authority

In discussion with:

Jean-Michel Glachant, Director, Florence School of Regulation; Holder of the Loyola de Palacio Chair (digital)



14.00-15.00 Addressing the Effects of Climate Change Globally

POWERED BY CIRCULAR CLIMA INSTITUTE - EPLO

Keynote address:

Konstantinos Aravossis, General Secretary of Natural Environment and Water, Ministry of Environment and Energy, Hellenic Republic

Ricardo Raineri, Professor at Pontificia Universidad Católica of Chile, Former Energy Minister of Chile; Member of the WG on Energy Transition, UN DESA (digital)

Anastasios Tosios, Deputy CEO, EYDAP

Agis Papadopoulos, Chairman of the Board, EYATH; Professor, Aristotle University of Thessaloniki

In discussion with:

George Kremlis, Principal Advisor to the Greek Prime Minister on Energy, Climate and Circular Economy Issues; President, International "Circular Clima Institute" of the European Public Law Organization (digital)

15.00-15.20 **EU ENERGY TAX REFORM**

Keynote address:

Gerassimos Thomas, Director General Taxation and Customs Union, European Commission (digital)

In discussion with:

Kyriaki Kosmidou, Professor in Banking Finance, Aristotle University of Thessaloniki; Vice-President, Hellenic Association for Energy Economics

15.20-15.50 *Coffee Break*

15.50-16.50 GREEK PRIVATIZATION SUCCESS STORIES

Giannis Klavdianos, CFO, Coordinating Director of Accounting & Finance (digital)

Harry Damaskos, Principal, European Bank for Reconstruction and Development (digital)

Despina Tomadaki, Senior Loan Officer, European Investment Bank

Moderator: **Thomas Lamnidis**, Managing Director, Lamnidis Law; Principal and Legal Advisor, Savvy Business sLTD

16.50-18.00 **DECARBONIZATION AND SMARTIFICATION OF ISLANDS**

POWERED BY IANOS PROJECT

Nuno Marinho, Head of RES Integration and Flexibilty, NEW R&D - Centre for New Energy Technologies, EDP – Energias de Portugal, Coordinator of IANOS project (digital)

Spyros Economou, President of the BoD, CRES

George Kavvouras, General Manager, Omexom/Vinci Energies Hellas

Vassilis Kalavrouziotis, Head of Software Development & Energy Management, Eunice Energy Group



Nikos Chatziargyriou, Professor, National Technical University of Athens; Past Chairman and CEO, HEDNO (digital)

Moderator: Pierre-Jean Cherret, VP New Business & Innovation, Items International (digital)

DAY 3 – Adonis Room Thursday, September 30, 2021

09.30-10.15 Energy Transition - A Key To Fostering Investments

Keynote address:

Adonis Georgiadis, Minister of Development and Investments, Hellenic Republic

Aristotelis Chantavas, Head of Europe Area, Enel Green Power; President, SolarPower Europe **Kostas Andriosopoulos**, Professor of Energy Economics, Audencia Business School; Chairman, Board of Energy Transition of HAEE; President, Energy Committee of AmCham

Moderator: Haris Floudopoulos, Journalist, capital.gr

10.15-11.15 INVESTMENTS IN THE GREEK NATURAL GAS SECTOR

Maria Rita Galli, CEO, Hellenic Gas Transmission System Operator S.A. Konstantinos Eleftheriadis, Partner, Energy Industry Leader, Deloitte Nikolaos Koutsogiannis, Advisor to the BoD, HENGAS S.A.

Moderator: Dimitris Pefanis, Director of Financial and Business Content, DPG Digital Media

11.15-11.30 STRATEGIC RELATIONSHIPS FOR CLIMATE ACTION AND ENERGY SECURITY IN THE EASTERN MEDITERRANEAN

David Livingston, Senior Advisor, US Department of State (digital)

In discussion with:

Kostas Andriosopoulos, Professor of Energy Economics, Audencia Business School; Chairman, Board of Energy Transition of HAEE; President, Energy Committee of AmCham

11.30-11.45 *Coffee Break*

11.45-13.00 Hydrogen and Renewable Gases: Challenges and Opportunities

Constantinos Papalucas, Energy Expert, Coordinator of the National Hydrogen Committee (digital)

George Kasapides, Regional Governor of Western Macedonia, Hellenic Republic (digital) **Matteo Mazzoni**, Head of Market Strategy, Snam, main Shareholder of Senfluga (digital) **Gulmira Rzayeva**, Research Associate, Oxford Institute for Energy Studies; Founder and Managing Director, Eurasia Analytics

Dimitrios Kardomateas, Representative of the Chairman of the JTDP Steering Committee



Moderator: Konstantinos Sfetsioris, Energy Specialist; Member of the National Hydrogen Energy

Committee

13.00-14.15 Lunch

14.15-15.45 **RECENT DEVELOPMENTS IN GAS MARKETS**

POWERED BY GLOBAL GAS CENTRE

Opening address:

René Bautz, Chairman, Global Gas Centre; CEO, Gaznat S.A.

Symeon Kassianides, Founder, Chairman and CEO, Hyperion Systems Engineering Group;

Chairman, Natural Gas Public Company of Cyprus

Amir Foster, Executive Director, Association of Oil and Gas Exploration Industries in Israel

Thierry Bros, Vice President Research, Tellurian

Panayiotis Mitrou, Global Gas Segment Manager, Marine & Offshore, Lloyd's Register (digital)

Moderator: Naji Abi-Aad, Advisor, Global Gas Centre; Senior Consultant Gas Centre

15.45-16.15 *Coffee Break*

16.15-17.30 MONITORING METHANE FROM SPACE: TECHNOLOGY OVERVIEW AND IMPLICATIONS FOR

THE GAS MARKET

POWERED BY GLOBAL GAS CENTRE

Christian Lelong, Director of Natural Resources, Kayrros

Intervention by:

Maria Spyraki, Member of the European Parliament, Nea Dimokratia Party (digital)

Konstantin Romanov, Head of Division, Gazprom (digital)

Moderator: Eleni Charisi, Natural Gas Market Reporter, Argus Media

17.30-18.15 **ESG Criteria: The Future and Socially Responsible Investments**

Mamadou-Abou Sarr, President & Chief Executive Officer at V-Square Quantitative

Management (digital)

Antonis Mountouris, Group HSE & Sustainable Development Manager, HEL.PE. **Kostas Andriosopoulos**, Professor of Energy Economics, Audencia Business School; Chairman, Board of Energy Transition of HAEE; President, Energy Committee of AmCham

In discussion with:

Faidra Mavrogiorgi, Journalist and Owner ESG stories



DAY 4 – Adonis Room Friday, October 1, 2021

09.30-10.15 **GREEN INFRASTRUCTURE: THE PATH TO SUSTAINABLE GROWTH AND A CLIMATE-**NEUTRAL ECONOMY

Opening Keynote Address:

Kostas Ach. Karamanlis, Minister of Infrastructure and Transport, Hellenic Republic

Matthew Lodge, UK Ambassador to the Hellenic Republic

In discussion with:

Spiros Papaefthimiou, Chairman, Hellenic Association for Energy Economics (HAEE); Assoc. Professor in Energy Management Systems and Energy Efficiency Technologies, Technical University of Crete

10.15-11.15 **E-MOBILITY AT THE FOREFRONT OF GREEN DEVELOPMENT**

Kyriakos Kofinas, General Director of e-mobility, PPC (digital) **Elias Petris**, Strategy and Business Development Manager, NRG

Vasilis Georgiou, Managing Director, Protasis

Panagiotis Ekaterinidis, Marketing Manager, Citroen, DS Automobiles (digital)

Moderator: Thanos Zarogiannis, Electric Vehicles Charging Specialist, Advisor on Electromobility

11.15-11.45 *Coffee Break*

11.45-12.45 THE ROLE OF POWER PURCHASE AGREEMENTS IN THE TARGET MODEL

Athanasios Cholevas, Head Global Market Solutions, Corporate Transaction Banking, National Bank of Greece

Christos Georgopoulos, CEO, Inaccess

Guillaume Dupret, Energy Market Director, Akuo Energy **Vasilis Machias**, Country Manager Greece, Axpo Solutions **Tasos Athanasopoulos**, President and CEO, Enerdia S.A. (digital)

Moderator: Kostas Andriosopoulos, Professor of Energy Economics, Audencia Business School; Chairman,

Board of Energy Transition of HAEE; President, Energy Committee of AmCham

12.45-13.45 New Technologies and Innovation Advancements in the Energy Markets

POWERED BY ENERGY DELTA INSTITUTE

Marcel Kramer, Energy and Infrastructure Consultant; President, Energy Delta Institute (digital)

Spyros Kiartzis, Manager, New Technologies and Alternative Energy Sources, HEL.PE.

Maher Chebbo, Chair, European ETIP Digital Energy Group and Digital Batteries Task Force (digital)

Gianfranco Scalabrini, Partner, 3H Partners, Professor of Energy Markets, Luiss Guido Carli



Moderator: Miguel Palacios, Academic Dean Executive Education, ESCP Europe Business School (digital)

13.45-15.15 Lunch

15.15-16.00 SMALL SCALE RES AND OFF-SHORE WIND POTENTIAL FOR GREECE

Panagiotis Papastamatiou, Director, ENTEKA; CEO, Hellenic Wind Energy Association

Konstantinos Tomaras, General Director, Spyropoulos S.A.

Moderator: **Nikos Frydas**, Principal, Energy Advisory, Grant Thornton S.A.

16.00-17.15 ACCELERATING THE CLEAN ENERGY TRANSITION ON ISLANDS

POWERED BY NESOI EUROPEAN ISLANDS FACILITY

Andrea Martinez, Deputy Managing Director, Sinloc (digital)

Panagiotis Grammelis, Director of Research, Chemical Process and Energy Resources

Institute, Centre for Research and Technology Hellas

Vasilis Roussakis, Deputy Mayor of Economic Growth, Municipality of Chalki (digital)

Moderator: George Moutzorogeorgos, Energy Specialist, Advisor to the Secretary General of Energy and

Mineral Resources

17.15-18.15 THE ROLE OF GEOPOLITICS AND ENERGY TRANSITION IN SE EUROPE

POWERED BY EPRINC

Olga Khakova, Deputy Director for Flagship Convenings and Global Engagement, Global

Energy Center, Atlantic Council (digital)

Nicolò Sartori, Senior Researcher, Enel Foundation (digital)

Theodoros Tsakiris, Associate Professor of Geopolitics and Energy Policy, University of

Nicosia Business School (digital)

Moderator: Max Pyziur, Director - Downstream, Transportation Fuels, & Natural Gas Projects Energy

Policy Research Foundation, Inc. (EPRINC) (digital)

18.15-18.30 CLOSING REMARKS

Keynote Address:

James Smith, President, International Association for Energy Economics (IAEE); Editor, The

Energy Journal; Professor Emeritus, Southern Methodist University (digital)

In discussion with:

Spiros Papaefthimiou, Chairman, Hellenic Association for Energy Economics (HAEE); Assoc. Professor in Energy Management Systems and Energy Efficiency Technologies, Technical

University of Crete



Concurrent Sessions – Academic Paper Presentations

DAY 2 – Virtual Room Wednesday, September 29, 2021

18.00-19.30 Session Chair: Dimitra Koumparou

Climate Change Adaptation Measures and Strategies for Electric Grid Resilience Enhancement: Impact Assessment and Lessons Learnt from the Recent Extreme Weather Event "Medea"

Authors: Aikaterini Gkika, Efstratios Zacharis, Dimitrios Skikos, Dimitrios Lagos

Presenter: Aikaterini Gkika

Geothermal Hybrid. Energy Production Using Deep Drilling for Electricity and Green Hydrogen Production

Author: Achilles Kanellopoulos Presenter: Achilles Kanellopoulos

Assessment of an existing gas pipeline to be retrofitted to hydrogen transport – material evaluations

Authors: Alessandro Terenzi, Enrico Torselletti, Daniele Scarsciafratte, Domenico Tomassini

Presenter: Enriquo Torselleti

Accelerating the transformation of the Greek energy system through green hydrogen's penetration in the energy mix: A multicriteria-based power generation schedule

Authors: Diamantis Koutsandreas, Ioannis Pappis, Georgios Trachanas, Alexandros Nikas,

Haris Doukas

Presenter: Diamantis Koutsandreas

Culture and energy transition

Authors: D. Koumparou, E. Zervas

Presenter: Dimitra Koumparou



DAY 3 – Virtual Room

Thursday, September 30, 2021

18.15-19.45 **Session Chair: Filippos Ioannidis**

Comparative analysis between different approaches for calculating on-board passenger ship's emissions and fuel-energy consumption based on operational data

Authors: Emmanouil Doundoulakis, Spiros Papaefthimiou

Presenter: Emmanouil Doundoulakis

Environmental impact of new Directives, Regulations and Covid-19 restrictions in the shipping sector: the case study of passenger ferries and cruise vessels in the region of Crete

Authors: Emmanouil Doundoulakis, Ioannis Sitzimis

Presenter: Emmanouil Doundoulakis

Advanced control systems and sensors based on Internet of Things (IoT) technologies for smart greenhouses

Authors: Evangelos Ntousakis, Kostantinos Loukakis, Spiros Papaefthimiou

Presenter: Evangelos Ntousakis

Development of Intelligent and Energy-autonomous Greenhouse using innovative technologies to improve productivity and product quality (IEnGreen)

Authors: Kostantinos Loukakis, Vangelis Dimitriou, George Papadakis, Spiros Papaefthimiou, Manolis Souliotis

Presenter: Konstantinos Loukakis

Save Energy Checker Tool (SECT)

Authors: Maria Milousi, George Georgiadis, Dimitris Ziouzios, Andreas Koskeris, Manolis

Souliotis

Presenter: Maria Milousi

End of Symposium





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Founded in 1998, HELLENIC PETROLEUM is one of the leading energy groups in South East Europe, with activities and presence in six countries. Its shares are primarily listed on the Athens Exchange (ATHEX: ELPE) with a secondary listing on the London Stock exchange (LSE: HLPD), while its two bond issues are listed on the Luxemburg Stock Exchange.

Refining is the Group's core business, accounting for 75% of total assets, owning three of the four refineries in Greece, of total capacity of 340 kbpd, with a 65% share of the Greek wholesale oil products market.

The Group is the domestic ground fuels marketing leader, with a retail network of c.1,700 petrol stations throughout Greece as well as LPG, industrial, aviation and marine fuels and lubricants businesses. It also owns a network of over 300 petrol stations in Cyprus, Serbia, Bulgaria, Montenegro and FYROM.

The Group's E&P activities are focused in Greece in various offshore and onshore areas mainly in Western Greece and west of Crete. HELLENIC PETROLEUM is the sole petrochemicals producer in Greece with domestic market share exceeding 50% and exports c. 65% of sales. It is also active in the power sector through ELPEDISON, in renewables as well as in natural gas through 35% participation in DEPA Group.

E-mail: info@helpe.gr **Website:** www.helpe.gr



Howden Matrix is the largest insurance & reinsurance broker in Greece, with more than 750 Corporate, Industrial and Financial Lines clients and more than €16 million broking premium (2020). Our services include Specialty Lines, Advisory Services, Risk Management and Treaty & Facultative Reinsurance.

Founded in 2003, Howden Matrix became a Lloyd's broker in 2012 and in April 2020 joined the Howden Broking Group, the leading independent broker with \$10 billion broking premium and a business model that enables innovation and strong sustainable growth year on year.

We are an experienced and innovative broker with more than 95 in-house experts covering all fields of Corporate and Industrial insurance/reinsurance from our offices in Athens, Thessaloniki and Crete as well as a representative office in Ioannina (Western Greece).

Howden Matrix Group has established companies in Cyprus and South Africa, while through Howden One Network we reach clients in over 90 territories and more than 15,000 professionals operating under one set of standards.

Industries serviced

Construction & Infrastructure, Energy, Financial Institutions, Hospitals & Clinics, Manufacturing, Marine, Public Sector, Professional Services, Technology, Tourism & Entertainment, Aviation, Aquaculture, Motor Fleets, Insurance Companies, Auxiliary Funds.

What we offer

- Competitive premium options that are, as importantly, realistic to achieve in this current setting.
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- A global service team that comprises of key individuals both locally and internationally with an in-depth knowledge of your exposures and experience in the handling of specialty corporations of this nature. Unlike some of our competitors we are one company and one team, guaranteeing our placement strategy is based around your needs and nothing else.
- A comprehensive risk-engineering programme provided by our own in-house Risk Engineering Division, with engineers who have both expertise and market recognition.
- A claims team embedded alongside our broking division with recognised success in collecting claims.
- A broking partner who can offer the best of both worlds the creativity, flexibility and swift decision making of a boutique specialist insurance broker with the global leverage of a major international insurance corporation.



About Huawei

Founded in 1987, Huawei is a leading global provider of information and communications technology (ICT) infrastructure and smart devices. We have more than 197,000 employees, and we operate in more than 170 countries and regions, serving more than three billion people around the world.

Our vision and mission is to bring digital to every person, home and organization for a fully connected, intelligent world. To this end, we will drive ubiquitous connectivity and promote equal access to networks; bring cloud and artificial intelligence to all four corners of the earth to provide superior computing power where you need it, when you need it; build digital platforms to help all industries and organizations become more agile, efficient, and dynamic; redefine user experience with AI, making it more personalized for people in all aspects of their life, whether they're at home, in the office, or on the go.

About Huawei FusionSolar

Huawei offers leading Smart PV solutions harnessing more than 30 years of expertise in digital information technology. By integrating AI and Cloud, Huawei further incorporates many latest ICT technologies with PV for optimal power generation, thus making the solar power plant to be Highly Efficient, Safe & Reliable with Smart O&M and Grid Supporting capabilities and builds the foundation for solar to become the main energy source. For solar energy users, Huawei launched advanced solution for C&I and residential customers based on the 'Optimal Electricity Cost and Active Safety' concept. By improving the utilization of solar power, Huawei has helped to power millions of residents and hundreds of industries globally.

Huawei will continue to innovate and enable renewable energy to empower each individual, home, and organization.

For more information, please visit the official website of Huawei or the below links:

www.linkedin.com/company/Huawei

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Vinci – Energies

As a major player in a constantly changing world, VINCI Energies works at the crossroads of society's most important issues of today and tomorrow. Such as the growing demand for energy and transport, optimisation of industrial processes, improvement of energy performance, and changes in demand in the telecommunications sector, among others. In all of these areas, our business units know how to combine their different fields of expertise to provide solutions that meet market demands.

VINCI Energies delivers a customised solution for each individual project, from the smallest to the most complex, in order to meet our customers' challenges in terms of performance, reliability and safety in our four main areas of expertise: electricity, HVAC, mechanical engineering and information and communications technologies (ICT).

With their agile organizational structure, VINCI Energies business units work in the following four families of business activities throughout the life of the projects:

- Project design / Engineering
- Implementation / Integration
- Maintenance
- Operation / Facility management



Akuo Energy is a French multinational company, based in Paris, active in the renewable energy sector worldwide. It operates in 18 countries and has been present in Greece since 2018. Akuo Energy develops, manufactures and operates RES projects with major technologies such as wind, photovoltaic, hydroelectric as well as biomass projects. So far the company has invested more than € 2.5 billion in RES projects worldwide. Its potential includes 1.3GW projects under construction, financing and construction as well as 2.13GW projects under development. Akuo Energy's presence in Greece signals the company's strong interest in the entire Balkan region as it has already completed significant investments in the area.

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PPC is the leading Greek electric utility, with activities in electricity generation, distribution network operation and supply of electricity to end consumers.

It is the largest power generation company in Greece with a total capacity of 11 GW including thermal, hydro and RES power plants. It is the owner of the single electricity distribution network in Greece with a Regulated Asset Base of c. € 3 bn, which is being operated by its subsidiary HEDNO S.A., and the leading electricity supply provider in the country, servicing c. 6 m customers.

PPC is re-inventing itself in order to be aligned with the energy transition through the implementation of its strategic priorities by (i) proceeding to the decarbonization of its business through accelerated lignite phase out plan and a ramp-up of Renewables investments, (ii) focusing on digitalization and operational efficiency applying new technologies across all business activities and (iii) pursuing areas of additional growth through customer centricity undertaking at the same time a leading role in the development of e-mobility in Greece.

PPC was founded in 1950 and is listed on the Athens Stock Exchange since 2001.

PPC Group total annual revenues amount to c. € 4.6 bn and total assets to € 13.7 bn, having approximately 13.8k employees.



ENERDIA, as one of the leading technical companies in the Energy market, provides comprehensive and high quality services in Engineering, Procurement, Construction and Operation & Maintenance of RES Projects with emphasis on increasing the Return on Investment of our projects.

We are today the fastest growing company in Greek RES Market. With significant experience and a portfolio of EPC & O&M of PV stations, wind farms, and substations, we have built over 41MW in the last 5 years, while maintaining over 60MW of RES projects.

SILVER SPONSOR



Hellenic Energy Exchange S.A. (HEnEx) is part of the Energy Exchange Group (EnEx group) and was founded on 18 June 2018 as a spin-off from the electricity market branch of LAGIE S.A.. Building upon experience gained over more than a decade, HEnEx has been designated by the Greek Regulatory Authority for Energy as the Nominated Electricity Market Operator (NEMO) and is operating the Greek day-ahead market and has also been approved by the Hellenic Capital Market Commission as an administrator of the Energy Derivatives Market of Law 4425/2016. Currently, HEnEx is working the transformation of the model of the day-ahead market, on the creation of an intraday electricity market and of a gas market. HEnEx is also responsible for organising and operating Greek environmental markets. Its subsidiary, EnEx Clearing House S.A. (EnExClear), is providing clearing and settlement services for HEnEx's spot electricity markets and for the Balancing Market of the TSO (ADMIE).

HEnEx is committed to providing high quality, transparent, and non-discriminatory services to all market participants, working towards the EU's target model and coupling its market with neighbouring countries. To that end, HEnEx has become a full member of the Price Coupling of Regions initiative.»



HEDNO: Connecting every corner of Greece through energy

HEDNO was established in 2012 after the spin-off of the Distribution Segment of PPC S.A. Today it is a 100% subsidiary of PPC S.A., but organizationally and functionally independent Company.

Through the Medium and Low Voltage networks, HEDNO delivers electricity to 7.5 million customers, while the Company manages the High Voltage networks in Attiki and in the Non-Interconnected islands. In terms of number of customers served and the total length of the network lines, 240.000 km-nearly six times the earth's perimeter-HEDNO is one of the largest Distribution Companies in the EU.

HEDNO employs about 6,000 individuals, who are allocated throughout the country.

The fundamental task of HEDNO, is to ensure the efficient operation, maintenance and development of the country's distribution network, the management of the Non-Interconnected islands electricity systems and to provide non-discriminatory access to the Network, for all energy consumers, dispersed generators and electricity suppliers.

SILVER SPONSOR



HENGAS is the newest player in the gas distribution market and comes with dynamics to open up new roads in energy and bring gas to the remote areas of Greek region. The main goal of HENGAS is to be a subversive, safe and reliable player in the gas market and therefore relies on the successful course of EDIL HELLAS, which during the years of crisis has achieved significant growth rates with increasing turnover and profitability, but also increasing its staff. HENGAS utilizes years of know-how in the implementation of successful gas infrastructure projects, enabling households to reduce their energy costs in a particularly difficult economic period and companies to ensure much lower operating costs and therefore to increase their competitiveness Having received from the Energy Regulatory Authority all the necessary authorization, HENGAS starts the construction of gas distribution networks within May 2021. The HENGAS networks will initially supply nine cities (Tripoli, Corinth, Megalopoli, Deskati, Polygyros, Polykastro, Skydra, Edessa and Naoussa), while the integration of other cities throughout Greece is included in its development planning.



Founded in 2011 with the Greek state as its sole shareholder, Hellenic Hydrocarbon Resources Management (HHRM SA) manages national interests regarding the exploration, research, and production of hydrocarbons. The company also works methodically to accelerate the development and monetization of Greece's upstream hydrocarbon industry, with a particular focus on natural gas, in view of the significant and positive impacts the industry could have on Greece's economic and social development.

The Greek government appointed a new Board of Directors and CEO to HHRM in the summer of 2020. As a result, the company's management consists of a distinguished team of cross-functional and cross-sectorial professionals with decades of private sector expertise in upstream oil and gas development, mid-stream/ pipeline developments, offshore health and safety, finance, and law with international experience in countries such as Norway, the United Kingdom, Cyprus, the Netherlands and, of course, Greece.

Driven by the belief that the world needs to urgently transition to a sustainable carbon-neutral economy, and bearing in mind the pivotal role of natural gas as a bridging fuel, HHRM's management established a new vision for the company focused on being an enabler of Greece's energy transition goals.

SILVER SPONSOR



Established in 1987, Intrakat is a key member of Intracom Holdings, a leading Group of multinational high-tech companies. The company is listed in the Athens Stock Exchange since 2001, ranks among the top 5 Greek constructions groups and delivers high end products in an integrated portfolio of activities, including Infrastructure Public Projects, PPPs – Concessions, RES – environmental & Real estate development.

Intrakat has international established operations in 6 countries of East and Southeast Europe and 35 years of accumulated experience with a successful presence in the constructions market and an extensive network of 9 entities (subsidiaries and branches).

https://www.intrakat.gr/en



National Bank of Greece was established in 1841 and today leads one of the largest financial groups in the country with a business presence in 8 countries. Apart from NBG, the Group runs 2 commercial banks and has a workforce of 9,566 employees.

It has a wide domestic distribution network of 418 units and 1,488 ATMs and also runs a network of 82 banking units abroad (data as of 30.06.2020).

The Bank's broad customer base, respected brand name, adequate liquidity, and strong market share in deposits reflect the long-standing relationship of trust it enjoys with its clientele.

NBG plays a leading part in the energy transformation of the country, by supporting major infrastructure projects and holding a significant share in the sector financing.

The Bank is a frontline player in Greece's drive for economic growth and development, and is committed to backing the country's potential as an energy hub for the European continent.

SILVER SPONSOR



PPC Renewables SA (PPCR), is a wholly-owned subsidiary of the Public Power Corporation SA (PPC) Greece's largest power generation company. In 2006, PPCR inherited all Renewable Energy Source (RES) relates activities (wind, small hydroelectric, solar and geothermal) from PPC, including all its technological innovation, know-how and expertise in the field of power generation.

PPCR is the only company in Greece active on all forms of Renewable Energy Sources, while targeting through a combination of organic growth and strategic partnerships o further expand its portfolio in innovative technologies such as storage, offshore wind farms and floating PVs.

The company owns 34 wind farms, 18 small hydro, 28 photovoltaic power plants and 1 hybrid power plant with a total installed capacity of ca. 207 MW and holds a significant position in the Greek renewable energy market aiming to be a driver in the transformation currently ongoing in the country. PPCR has also a RES target of 1.5GW by 2023 based on a portfolio at different development stages.

With sustainable development as our guideline, our philosophy is to create Shared Value by giving back to the local communities and the environment proactively beyond conventional obligations. Sustainable development and business planning in alignment pave the strategic path to our quest to lead the energy transformation in Greece.

Senfluga

SILVER SPONSOR



SPYROPOULOS SA is a commercial - engineering company that offers complete turn key solutions in renewable energy installations including all Development – Engineering – Procurement – Construction Services. The company was founded in 2004 as a construction company and has a portfolio of 35 MW installed PV plants, over 150MW under Development and is currently responsible for the electromechanical maintenance over 150 MW plants as well as for panel cleaning and weed management of over 500MW.

SPYROPOULOS SA has developed a unique technical branch network in Greece, operating six branches, one in Kato Achaia which is the headquarters of the company and five more, one in Thebes, one in Ioannina, Kalamata, Xanthi, Larissa, while there is provision for further expansion of the network to other key locations in Greece.

The company is also active in the fields of construction, renovations and maintenance of commercial and industrial buildings and also in the field of electro-mechanical installations and maintenance, covering the entire range of works needed to achieve the best result.



The Renewable Energy Sources Operator and Guarantees of Origin (DAPEEP S.A.) operates the RES and the High Efficiency Electricity and Heat Cogeneration (SITHYA) of the National Interconnected System, as well as the Guarantees of Origins for the energy produced by RES and SITHYA. DAPEEP is responsible for auctioning the pollution rights in Greece, while at the same time it operates as a Cumulative Representation Body of the Last Shelter (FOSETEK) of RES producers. DAPEEP is the successor of the Electricity Market Officer (LAGIE S.A.) and it is created to meet the modern challenges in the field of RES, while it is the largest shareholder in the Hellenic Energy Exchange (HEnEx) and the second largest seller after PPC S.A. Electricity Market operated by the HEnEx.

CONTRIBUTOR



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CONTRIBUTOR



Public Gas Distribution Networks S.A (DEDA) was founded in 2017 with the only shareholder being DEPA Infrastructure S.A. DEDA's mission is the construction, operation, and management of natural gas distribution networks in seven Regions of Greece. This unique infrastructure improves life quality and contributes to economic growth. DEDA is all about sustainability and local communities; this is why it constructs and operates networks according to strict safety protocols and best international practices.

Deloitte.

Deloitte Greece is a member of one of the world's largest professional services networks, Deloitte Touche Tohmatsu since 1975. With offices in Athens, Thessaloniki and Heraklion and over 1,700 professionals, we combine an unmatched breadth and depth of capabilities in audit and assurance, consulting, financial advisory, risk advisory, tax and legal.

Operating as a true multidisciplinary model we collaborate across businesses to solve the most challenging issues of our clients. We work with clients in every sector of the Greek economy to deliver innovative solutions using the latest tools and technologies.

Our people are unified by a collaborative culture guiding them to lead the profession, to serve with integrity, to take care of each other and to foster inclusion. They enjoy an environment of continuous learning and opportunities, and are dedicated to making a positive impact in their communities.

CONTRIBUTOR



DEPA Commercial is a modern and competitive company, with a substantial contribution to the growth of the Greek economy. The business plan it implements, integrates the ESG criteria, aiming at "green" entrepreneurship.

Via targeted investments, and the use of smart technologies, the company strives to meet the diverse needs of its customers by providing budget- and environmentally friendly natural gas for households, industrial consumers, generators as well as fuel for gas-powered vehicles through Fisikon.

DEPA Commercial, as the coordinator of the European co-financed projects Poseidon Med II and BLUE HUBS, introduces the maritime transport of the Eastern Mediterranean into the LNG era.

The company participates in the new Alexandroupolis LNG Terminal, a crucial project for the security of LNG supply in SE Europe, and in the Greek-Bulgarian gas pipeline IGB.

DEPA Commercial is entering the new era of "clean" energy, by investing in RES and other alternative fuel with a neutral environmental footprint, such as hydrogen and biomethane.

CONTRIBUTOR



δesfa is responsible for the operation, management, utilization and development of the Greek Natural Gas System and its interconnections, in a technically sound and economically efficient way, in order to best serve its Users with safety, reliability and adequacy.

Possessing extensive experience and a highly skilled workforce, δ esfa, whose shareholders are, from 2018, 34% the Greek State and 66% Senfluga SA (joint company of Snam, Enagás, Fluxys and Damco), contributes decisively to the security of supply and the diversification of supply sources of Greece and the wider region, while facilitating the development of competition in the Greek energy market. On the way to a cleaner and more sustainable energy future, δ esfa is transformed, with the vision of its further consolidation as a reliable partner in the framework of the ongoing international energy projects in Southeast Europe and beyond. At the same time, δ esfa implements a series of significant investments for the upgrade, expansion and interconnection of the National Natural Gas System, with a key role for the smooth energy transition of Greece and the goal of its emergence as an international energy hub.

On a consistent basis, δ esfa also implements activities aimed at strengthening its positive social and environmental footprint, consistent in its vision to be a model of business excellence and corporate responsibility in every aspect of its operation.



EDA THESSALONIKI -THESSALIA S.A. was established in 2017 and operates as the Natural Gas Distribution Network Operator in the geographical areas of the Regional Unit of Thessaloniki and the Region of Thessaly, as specified in the Natural Gas Distribution (Gov. Gaz. B' 5922/31.12.2018) and the Natural Gas Distribution Network Operation Licenses (Gov. Gaz. B' 5916/31.12.2018), provided for by applicable Law.

The Company operates in full compliance with the legal and regulatory framework, accomplishing all its duties by focusing on Operational Independence. Its duties indicatively include safeguarding the reliability of natural gas infrastructure, ensuring a technically impeccable and efficient network and complying with the technical specifications as well as operation and maintenance requirements, thus achieving high performance goals in the distribution activity.

CONTRIBUTOR



Enel Green Power is the global Enel's Group brand that manages more than 1,200 power plants on five continents and is present with assets in operation or under construction in 21 countries and development activities in a further 6 countries. It has around 50 GW of installed renewable capacity generated from a mix of resources, including wind, solar, hydroelectric and geothermal. Enel Green Power is playing a fundamental role in the energy transition, as it is one of the world's leading renewable energy companies. Its goal is to accompany the planet into a new era in which everyone has access to sustainable, decarbonized energy. Enel Green Power is present in Greece since 2008 operating 59 plants with 482 MW of installed wind capacity, hydro and solar power. The company incorporates in its strategy and business practices the principles of sustainable development and corporate social responsibility, placing the outmost emphasis on safety at work, as well as contributing to the well-being of its employees and the neighboring local communities. With its international experience, it also develops custom projects to offer companies the best solutions when it comes to energy generated by renewable sources. Clean energy and sustainable projects, competitive costs and tailor-made solutions are the main benefits of the Power Purchase Agreement (PPA), tools capable of building strong, long-lasting partnerships with business and industrial clients.

CONTRIBUTOR



Our existence lays in the scope of being able to offer the opportunity to every citizen to become an independent & autonomous energy "NetProsumer" – a producer & consumer of clean energy, ultimately obtaining total smart energy management & control.

- We are the first Greek Energy Group, to invest in, generate & allocate electricity EXCLUSIVELY from Renewable Energy Sources
- We participate in the front line of the Greek and world green economy
- We implement private investments
- We develop strong national & international technological alliances and partnerships
- We are at the forefront of major energy technological developments and advancements
- We develop innovative and integrated solutions for the production and utilisation of renewables
- We support a wide range of green activities and operate across a wide spectrum of renewable and sustainable projects with energy efficiency stretching along the value chain

As pioneers in clean energy and with a significant position on the international energy map, we make a dynamic contribution in shaping the industry, making solar and wind energy accessible worldwide.



EYDAP S.A. is the leading company in the water supply, sewerage and wastewater treatment sector in Greece, covering the needs of more than 40% of the total population of the country. EYDAP supplies Attica with drinking water, the quality of which is ranked among the best in Europe.

EYDAP was founded in 1980 and in January 2000, the Company was listed on the Main Market of the Athens Stock Exchange.

EYDAP, in the field of water supply services, serves approximately 4,400,000 citizens, while in the field of sewerage services, serves approximately 3,500,000 citizens. The Company is constantly investing in new technologies, as well as in new activities in and out of its competence area.

Always focused on the customer and the uninterrupted supply of clean drinking water, but also the protection of the environment, it places special emphasis on its strategy, which incorporates the principles of sustainable development for the benefit of the Company, its shareholders and the society.

EYDAP is the first public company to include in the Sustainable Development Report 2020, the SASB Standards for the water sector, while at the same time it has been included in the ESG index of the Athens Stock Exchange.

CONTRIBUTOR



Established in 2000, with a focus on digital infrastructure management, Inaccess specializes in monitoring and control systems. The company designs and develops state-of-the-art products and solutions for the centralized management, control, and optimization of geographically distributed, large-scale critical assets (Solar, Wind, Batteries, Microgrids, and Telecoms) that provide its customers with invaluable access to data and information, enabling them to maximize the viability and effectiveness of their investments, by offering real-time secure collection and recording of statistical data as well as smart controls and smooth grid integration, customization of SCADA systems, remote plant supervision, control room services, system migration, and retrofits. Today, Inaccess systems manage more than 24GW of PV generation across 2,500 solar plants worldwide. With headquarters in London, UK with US operations in Vermont, regional offices in Europe, India, Australia, Japan, and its R&D center in Greece is one of the leading vendors of converged infrastructure monitoring platforms worldwide.

CONTRIBUTOR



We are innovators building a sustainable world. Invenergy and its affiliated companies develop, own, and operate large-scale sustainable energy generation and storage facilities in the Americas, Europe and Asia. Invenergy's home office is located in Chicago, and it has regional development offices in the United States, Canada, Mexico, Colombia, Japan, Poland, Spain and Scotland. Invenergy has successfully developed more than 29,000 megawatts of projects that are in operation, construction or contracted, including wind, solar, and natural gas power generation facilities as well as advanced energy storage projects.

For more information, please visit www.invenergy.com



New Energy Partners (NEP) is a specialist alternative asset manager based in Athens, Greece, registered with the Hellenic Capital Markets Commission.

NEP manages New Energy Capital (NEC), a private closed end fund established under Greek law, under the investor friendly and tax efficient Private Equity Mutual Fund legal structure (AKES).

NEC is backed by the Hellenic Development Bank of Investments (HBDI), under its Debt Fund Facility, as well as by blue-chip private investors consisting of corporates, institutional investors, family offices and the Principals of NEP.

NEP's partners combine a unique blend of long-term experience in Energy, Private Equity and Project Financing. They have purpose built New Energy Capital to offer the opportunity to diverse investors to benefit from the Energy Transition transformation currently under way in Europe and Greece in particular, both through NEC and through co-investments. Investing through NEC removes from investors the need to build up specialized know how, while giving access to three alternative investment strategies.

CONTRIBUTOR



NRG SUPPLY AND TRADING S.A. is an integrated energy supplier that offers energy solutions to domestic, commercial, and industrial customers, while creating economic and social value with consistency and responsibility. The main objective of nrg is to always provide a wide range of integrated and high-quality services to the end consumer.

NRG SUPPLY AND TRADING S.A. has become one of the leading energy traders in the region of Southeast Europe. The company's primary goal is to be ahead of its time, while remaining abreast of the international developments. Having been certified with ISO 9001, is keeping up with the latest developments in the energy market and constantly enhancing the quality of its services, developing high-specification services at the most competitive prices.

nrg started its activity on the energy market in 2012. Today, it is one of the most specialized Electricity Trading companies in the wider Southeast European region and is already one of the leading energy companies in Greece.

CONTRIBUTOR



PROTASIS Engineering & Consulting S.A., headquartered in Athens / Greece, with a registered company in Dubai / UAE under the name PROTASIS GULF ENGINEERING DMCC, was established in 2002 by experienced engineers in operating the Greek Electricity High Voltage Transmission System of Public Power Corporation (PPC). Since then, PROTASIS has been delivering expert Consulting Services and specialized Systems' Solutions for the safe, reliable and efficient operation of Electrical Energy Networks and Installations.

Specifically, PROTASIS acts as a Power Systems' Consultant and as a Systems' Integrator for Protection, Control, Monitoring (PCM), SCADA, Substation Automation (SAS), Power Management (PMS) and Smart Metering (Head-End/AMR/AMI/MDM) Systems on Power Generation and Supply Networks in different business segments.



Fysiko Aerio the Hellenic Energy Company is the energy provider with a legacy of more than 160 years.

It is the oldest gas supply company in Greece and since 2018 the company is also active at the electricity market, providing full natural gas and electric power energy services.

Investing on and utilizing modern technologies, the company is continuously upgrading the customer experience with the ultimate goal to provide a unique ecosystem through services and smart solutions for domestic and business use. Fysiko Aerio counts more than 500 selling points across Greece and 420,000 households, 9,000 business customers, 200 industrial customers and is constantly creating innovative and personalized services by responding to its customers current needs.

CONTRIBUTOR



Established in 2007, as a 100% subsidiary of the French Multinational Group VOLTALIA SA, VOLTALIA Greece is a power producer and service provider in renewable electricity production.

VOLTALIA Greece undertakes the Licensing Process as well as the Engineering, Procurement, and Construction (EPC) of Turnkey PV Projects.

Strong from its experience in the management of Solar PV Plants, acting as a power producer firstly, the Company provides Operations and Maintenance (O&M) services to third parties' PV Plants in Greece, while offering a wide range of state-of-theart and innovative services and solutions adapted to the requirements of each client, independently of the type of construction or the capacity of each Project undertaken.

Furthermore, by combining its highly experienced and adequately trained personnel with its in depth understanding of the specialized needs and clear determination of all critical parameters linked to each investment separately, VOLTALIA Greece ensures the optimal effectiveness and performance of the while providing effective solutions for the improvement and potential Upgrade of existing Solar PV Plants by means of Repowering or Retrofitting services.

ENERGY TRANSITION SYMPOSIUM

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