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**KAZAKHSTAN
ENERGY
WEEK**

XV

**KAZENERGY
EURASIAN
FORUM
ASTANA**

PROGRAM

KAZAKHSTAN ENERGY WEEK – 2023
XV KAZENERGY EURASIAN FORUM

 **October 3-6, 2023**

**Astana, EXPO Congress Center,
Heydar Aliyev St., 12**



FUELING PROGRESS

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FIRST DAY. October 3, Tue



Sub-forum event – VI Forum of the Women’s Energy Club KAZENERGY “Empower HER energy forum”

October 3, 10.00-13.30

Venue: Abai Hall

Organizers: KAZENERGY

Welcome address:

- ◆ Kenzhebek Ibrashev, General Director of the KAZENERGY Association
- ◆ Yerlan Akkenzhenov, Vice-Minister of Energy of the Republic of Kazakhstan
- ◆ Akhmadi Sarbassov, First Vice-Minister of Labor and Social Protection of the Republic of Kazakhstan
- ◆ Vyacheslav Dudnik, Vice-Minister of Health of the Republic of Kazakhstan
- ◆ Aizada Akkaisieyva, Deputy General Director of MAEK LLP

Keynote Speakers:

- ◆ Eimear P. Bonner, Vice President of Technology, Chevron
- ◆ Cecile Rolin, Managing Director of ExxonMobil Kazakhstan Inc
- ◆ Lyazzat Ramazanova, Deputy Chair of the National Commission for women and family and demographic policy under the President of the Republic of Kazakhstan
- ◆ Diana Aryssova, Deputy Chair of the Board of JSC NC KazMunayGas
- ◆ Kamshat Baizhanova, General Manager of the Human Resources Department of Tengizchevroil LLP
- ◆ Altynai Abdykerimova, President of the Association of Women in Energy of Kyrgyzstan
- ◆ Klara Pykhanova, Production Process Support Manager, Karachaganak Petroleum Operating
- ◆ Ainur Sospanova, member of the Board of Directors of the Qazaq Green RES Association
- ◆ Yerlik Karazhan, Director of ESGQ Rating Agency LLP

Moderators:

- ◆ Lyazzat Akhmurzina, Executive Director of the KAZENERGY Association
- ◆ Gulzada Shakulikova, Rector of Atyrau Oil and Gas University
- ◆ Rysty Tasmagambetova, Deputy Chair of the Board of Embamunaigas JSC

Key themes from this year’s Forum include the role of women in driving and achieving social and environmental performance, ensuring compliance with ESG principles in corporate governance, balancing personal branding with ESG standards at work and home, seeking diversity and inclusion in organizations (and whether real positive financial and social impact), whether companies need to evaluate themselves as a gender-neutral organization, what strategies are effective in reducing inequality, etc., we believe that these and other questions will help stimulate meaningful discussions and participants will receive valuable information from the speakers.

SCO expert meeting - Global diversification of supplies: partnership for stability, round table

October 3, 10.00-11.30

Venue: Al-Farabi Hall

Organizers: Ministry of Energy of the Republic of Kazakhstan

← CLOSED SESSION



Coffee break
October 3, 11.30-12.00
Organizer: KAZENERGY

Round table – Science and energy: a look into the future
October 3, 12.00-13.30

Venue: Al-Farabi Hall
Organizers: KBTU, KAZENERGY

Keynote Speakers:

- ◆ Ahmed-Zaki Darkhan, Chairman of the Science Committee of the Ministry of Education and Science of the Republic of Kazakhstan
- ◆ Mohammed Al Taani, Secretary General of the Commission on Arab Renewable Energy Countries (AREC)
- ◆ Maratbek Gabdullin, Rector of KBTU
- ◆ Gulzada Shakulikova, Rector of Atyrau Oil and Gas University
- ◆ Murat Syzdykov, Rector of Almaty University of Energy and Communications
- ◆ Sayabek Sakhiyev, General Director of the RSE Institute of Nuclear Physics
- ◆ Abdilda Shamenov, Chairman of the Board of Science Foundation JSC
- ◆ Yerzhan Kuldeyev, Vice-Rector for Corporate Development
- ◆ Askar Syzdykov, Director of the Institute of Geology and Oil and Gas Business named after K. Turysov, Academician of the International Academy of Informatization

Moderator: Abdulakhat Ismailov, Dean of the School of Energy and Oil and Gas Industry of KBTU

According to the State Program for the Development of Education and Science in the Republic of Kazakhstan for 2020-2025, the priorities of R&D, scientific, and interdisciplinary research should be based on the results of national research with a mandatory focus on market needs. The integration of Kazakh science, which has its own rich development experience, into the global scientific community allows us to synergize and profitably use the acquired knowledge in production processes. This is especially important for the energy industry, which is striving for modernization and digitalization.

The main priorities of scientific, technical, and innovative development of the economy of Kazakhstan are defined in strategic program documents. Thanks to the implementation of the national strategy “Kazakhstan-2050”, conditions are being created in the country for the transition from a raw materials economy to an economy with a high share of the production of highly processed products. The introduction of Industry 4.0 technologies makes it possible to launch and develop high-tech projects of the future. On behalf of the head of Kazakhstan, K-Zh. Tokayev, the government is preparing a legislative framework for the introduction of 5G technologies, smart cities, data centers, blockchains, digital assets, and digital financial instruments and services.

Lunch break
October 3, 13.30-14.30
Organizer: KAZENERGY



STRATEGIC SESSION – Eco-environment and energy: vectors of partnership

October 3, 14.30-15.30

Venue: Abai Hall

Organizers: MENR RK, KAZENERGY

Keynote Speakers:

- ◆ Yerlan Nysanbayev, Minister of Ecology and Natural Resources of the Republic of Kazakhstan
- ◆ Renat Bekturov, AIFC Governor
- ◆ Hiroshi Matsuda, Senior Vice President, Mitsubishi Heavy Industries
- ◆ Aidai Kurmanova, Head of the UN Subregional Office
- ◆ Environment for Central Asia
- ◆ Dulatbek Ikbayev, Managing Partner of McKinsey & Company in Central Asia

Moderator: Rustem Kabzhanov, General Director of the ECOJER Association

The policy of maintaining environmental balance is one of the key ones in Kazakhstan's strategy to achieve sustainable development, create a healthy society, invest in human capital, stimulate the development of innovative technologies, and ensure environmental protection. Kazakhstan is reforming its energy sector to diversify its energy mix to include more renewable energy sources in the form of wind, solar, and water. Although coal generation remains the main source of environmental pollution in the country, the transition to low-carbon, environmentally friendly technologies based on scientific solutions determines the further innovative development of the industry.

Today, energy companies in Kazakhstan are increasing funding for environmental projects, creating a favorable environmental environment in the regions where they operate. Kazakhstan is expanding its "green" leadership in the region, actively supporting international environmental initiatives of the EU and SCO countries, and participating in the creation of unique platforms for the exchange of technologies and best practices within the framework of BRICS environmental initiatives, increasing its competencies in this area.

The creation of an environmental rating in Kazakhstan with data on compliance with environmental requirements by energy enterprises could expand the boundaries of the eco-environment and strengthen the industry's contribution to environmental protection.

Round table – Deep processing and energy products of the future

October 3, 14.30-15.30

Venue: Al-Farabi Hall

Organizers: KAZENERGY

Keynote Speakers:

- ◆ Askhat Khassenov, Vice Minister of Energy of the Republic of Kazakhstan
- ◆ Daniyar Tiyessov, Chairman of the Board of KPI Inc. LLP

- ◆ Gabit Tolkimbayev, General Director of the Petroleum and Gas Chemical Association
- ◆ Viktor Parno, Vice President of Argus Media for Business Development in the CIS Countries

Moderator: Nurlan Zhumagulov, General Director of the Energy Monitor PF

The need to move away from a resource-based economic model to a high-tech one was first announced several decades ago. Since then, countries on all continents have laid the necessary foundation for the corresponding leap, with Western licensors and raw materials leaders acting as the drivers of development - the former, sharing technologies with developing partners, the latter, actively using them to develop their potential. The trends are such that products of advanced processing of coal, oil, and gas will be in high demand both within the countries that produce them and in foreign markets.

Understanding this, Kazakhstan has been developing high-value oil refining for several years and is also implementing expensive petrochemical projects with investments that will be effective and profitable in the future. The country is behind a large-scale modernization of oil refineries, and ahead is the launch of the largest enterprises for deep gas processing, the production of methanol, polyethylene, and butadiene, taking the republic to a new stage of economic growth.

Panel session – Digital power industry: the future that has arrived

October 3, 15.30-16.30

Venue: Abai Hall

Organizers: KAZENERGY

Keynote Speakers:

- ◆ Kairat Rakhimov, Chair of the Board of JSC KOREM
- ◆ Yerzhan Dzhanzakov, Managing Partner at Zeinet & SSE, President of FACEPLATE
- ◆ Andrey Beklemeshev, Regional Director of IDC in Central Asia, Azerbaijan, and Mongolia
- ◆ Elvira Konakhbayeva, Managing Director of KEGOC JSC
- ◆ Dias Assanov, General Director of Siemens Kazakhstan
- ◆ Alexey Anissimov, Director of the Digitalization Department of the Ministry of Energy of the Republic of Kazakhstan

Moderator: Marat Kalmenov, Head of the Business Development Service of KBTU

The electric power industry is developing in response to the challenges of the time, the requirements of consumers, and the industry. The International Energy Agency's forecast shows global demand growing by an average of 3% in 2023-2025, depending on the region. For example, China, which accounts for about 31% of global demand, will show growth of 5.2%, India - by 5.6%, Africa - by 4.1%, Europe - by 1.4%, and in the USA, demand will increase by 1.2% in 2024 and 1.3% in 2025 after falling to 0.6% in 2023.

The reliability of electricity transmission through networks will be supported by investments in the modernization of energy infrastructure. In this unique environment, transforming the electricity



infrastructure through the introduction of digital technologies and platform solutions to improve its efficiency and security will be of paramount importance.

In Kazakhstan, according to the forecast of the Ministry of Energy of the Republic of Kazakhstan, in the period 2023-2029, the volume of electricity used will grow annually by an average of 3%, and the balance will be negative with a deficit reaching 5.5 billion kWh in 2029, it is planned large-scale implementation of digital technologies and artificial intelligence of the future, which can radically improve the industry. The latest technological developments will ensure the transition to a new target market model, with the introduction of a digital platform that allows you to manage risks and monitor the technical condition of stations.

High-level round table of the Executive Committee of the CIS Electric Power Council Energy security of the CIS countries

October 3, 15.30-16.30

Venue: Al-Farabi Hall

Organizers: Ministry of Energy of the Republic of Kazakhstan

Keynote Speakers:

- ◆ Zhandos Nurmaganbetov, Vice Minister of Energy of the Republic of Kazakhstan
- ◆ Taalaibek Ibrayev, Minister of Energy of Kyrgyzstan
- ◆ Nikolay Shulginov, Minister of Energy of Russia
- ◆ Aziz Akhmedkhadzhayev, First Deputy Minister of Energy of Uzbekistan
- ◆ Olga Prudnikova, Deputy Minister of Energy of Belarus
- ◆ Sorboni Kholmukhammadzoda, Deputy Minister of Energy and Water Resources of Tajikistan
- ◆ Kairat Maksutov, Chairman of the Board of Samruk-Energy JSC

Moderator: Taras Kupchikov, Chairman of the Executive Committee of the CIS EPS

Solving the problem of ensuring energy security always has been the most key factor determining, consequently, the possibility of developing the economy of any state. Considering the changing market conditions, the restructuring of traditional energy routes and supply chains, with the continuing trend of decarbonization, the energy sector of the Eurasian space faces new challenges related to the need for a reliable and uninterrupted energy supply to the economy and population.

The current historical period has opened a window of opportunity to take active steps for further joint interaction and cooperation the existing technological and infrastructural connections of both the economies and energy systems of the CIS member states create conditions for the formation of additional competitive advantages of the economies of the states.

The entire world community is moving towards the implementation of new joint initiatives, which in the future will become the foundation that provides a new concept and approaches to energy security for future generations.



Coffee break
October 3, 16.30-17.00
Organizer: KAZENERGY

Panel session – Nuclear Agenda: Environmental Friendliness vs. Safet
October 3, 17.00-18.00

Venue: Abai Hall
Organizers: KAZATOMPROM

Keynote Speakers:

- ◆ Meirzhan Yussupov, Chairman of the Board of NAC Kazatomprom JSC
- ◆ Timur Zhantikin, General Director of Kazakhstan Nuclear Power JSC power stations»
- ◆ Khaled Toukan, Chairman of the Jordan Atomic Energy Commission,
- ◆ Member of the IAEA Standing Advisory Group on Nuclear Energy
- ◆ Matthias Braun, Executive Director NAGRA
- ◆ Vladimir Vityuk, Deputy General Director of the RSE National Nuclear
- ◆ Center of the Republic of Kazakhstan

Moderator: Lukas Aebi, Secretary General of the Swiss Nuclear Forum

Energy security issues are pushing many countries around the world, in addition to developing coal and gas generation, to also develop nuclear energy. This choice is supported by the low cost of electricity generated by nuclear power plants and the absence of emissions of harmful substances and greenhouse gases into the atmosphere - this is quite consistent with the climate agenda proclaimed by world leaders, aimed at protecting the planet from environmental disasters in the future. China alone intends to double its nuclear potential by 2035 through the construction of over 150 new reactors, surpassing the United States as the world's largest producer of nuclear energy. At the same time, other countries, such as Germany, against the backdrop of a pan-European energy crisis, April 2023 disconnected the last three operating nuclear power plants from the power grid - Isar-2, Neckarwestheim-2, and Emsland, simultaneously starting from last year's reactivation of coal power plants: in 2022, their share in the total generation volume of this country increased to 33% from 30.2% in 2021.

Nuclear energy is one of the most important segments of the economy of Kazakhstan because the country ranks first in the world in terms of natural uranium production, which reached 21.3 thousand tons in 2022. One of the prominent issues remains the increase in technological processing within the country, as well as increasing export potential. In December 2022, the first batch of fuel assemblies for Chinese nuclear power plants was delivered. Considering the unstable geopolitical situation in 2023, the issue of diversifying transport routes for the supply of uranium products is being considered. There are all the objective prerequisites for the construction of a nuclear power plant on the territory of Kazakhstan itself: uranium reserves, the most environmentally friendly mining methods in the world, technologies for processing it, and a scientific base.



UNECE Round Table – Hydrogen: Oil of the 21st Century?

October 3, 17.00-18.30

Venue: Al-Farabi Hall

Organizers: EЭК OOH

Keynote Speakers:

- ◆ Dmitry Maryassin, Deputy Executive Secretary of the UNECE (online)
- ◆ Nadejda Khamrakulova, UNECE Economic Affairs Officer
- ◆ Fuad Hasanov, Deputy Head of the Azerbaijan Renewable Energy Agency for Hydrogen and Green Technologies
- ◆ Alexander Bissikalo, Deputy Regional Director of Mitsubishi Heavy Industries
- ◆ Dina Azhgaliyeva, Researcher, ADB Institute
- ◆ Azizbek Yernazarov, Chief Specialist of the Agency for Innovative Development of Uzbekistan
- ◆ Saule Zholdayakova, Head of the Competence Center for Hydrogen Energy JSC KMG Engineering
- ◆ Nurbek Yessetov, Energy Advisor, Hydrogen Diplomacy Office, GIZ Kazakhstan
- ◆ Regis Conrad, Synfuels Americas (online)
- ◆ Madina Anet, Semurg Invest

Moderator: Branko Milicevic, UNECE Economic Affairs Officer

Today, hydrogen energy is receiving much attention in Europe and Asia. The International Renewable Energy Agency (IRENA) predicts that hydrogen could cover 12% of total global energy consumption by 2050. And it is precisely this that can replace such traditional types of fuel as oil, gas, and coal in the future. Finding its niche in this segment is the task of Kazakhstan, which is striving for decarbonization.

On behalf of the President of the Republic of Kazakhstan K-Zh. Tokayev, the republic is today studying the possibilities for the production and use of hydrogen - both “green” or climate-neutral, obtained by electrolysis of water, and “blue”, produced from natural gas and considered not entirely environmentally friendly. for the release of carbon dioxide into the atmosphere. For this purpose, the country has scientific potential and qualified specialists and attracts investments.

The planned construction in the Mangystau region of Kazakhstan of a center for the production and distribution of “green” hydrogen with the involvement of foreign investors with a capacity of 2 million tons per year will create a “hydrogen precedent” and open new opportunities for the domestic energy sector. The supply of Kazakhstani hydrogen not only to domestic but also to foreign markets, to Europe, will reveal the country’s energy potential in a new way.



SECOND DAY. October 4, wed

Пленарное заседание – Энергетика возможностей: от неопределенности к устойчивости
October 4, 10.00-11.30

Venue: Plenary Hall

Organizers: KAZENERGY

Keynote Speakers:

- ◆ Alikhan Smailov, Prime Minister of the Republic of Kazakhstan
- ◆ Timur Kulibayev, Chair of the KAZENERGY Association
- ◆ Almassadam Satkaliyev, Minister of Energy of the Republic of Kazakhstan
- ◆ Francesco La Camera, Director General of IRENA
- ◆ Mohammed Al Taani, Secretary General of the Commission on Arab Renewable Energy Countries (AREC)
- ◆ Sohail Khan, Deputy Secretary General of the SCO
- ◆ Angela Wilkinson, General Secretary of the WEC (video message)
- ◆ Nurlan Zhakupov, Chair of the Board of JSC “National Welfare Fund “Samruk-Kazyna”
- ◆ Magzum Mirzagaliyev, Chair of the Board of JSC NC KazMunayGas
- ◆ Dai Houliang, Chair of the Board of Directors of CNPC
- ◆ Zoe Yujnovich, Director of Exploration and Production, Shell
- ◆ John Whelan, Senior Vice President, Conventional and Heavy Oil Resources ExxonMobil Upstream

Moderator: Ryan Chilcote, Bloomberg journalist, CNN

The plenary session will be devoted to discussing key issues related to the development of the energy industry in conditions of uncertainty and the search for ways to achieve sustainable development. Participants will discuss changes in global energy, the challenges, and opportunities facing countries and global corporations, and will also present innovative approaches and solutions for creating a sustainable and efficient energy system.

The meeting will address issues of energy portfolio diversity, climate change, the development of renewable energy sources, improving energy efficiency, and cooperation between countries to achieve sustainable energy development.

Press conference

October 4, 11.30-12.00

Venue: Press Center

Organizers: KAZENERGY

Keynote Speakers:

- ◆ Jambulat Sarsenov, Vice-President of the World Petroleum Council
- ◆ Zhandos Nurmaganbetov, Vice Minister of Energy of the Republic of Kazakhstan
- ◆ Sohail Khan, Deputy Secretary General of the SCO
- ◆ Francesco La Camera, Director General of IRENA
- ◆ Mohammed Al Taani, Secretary General of the Commission on Arab Renewable Energy Countries (AREC)

Moderator: Marat Usmanov, Press Secretary of the KAZENERGY Association



ҚАЗАҚСТАННЫҢ БОЛАШАҒЫ ҮШІН





SCO Energy Forum
October 4, 12.00-13.30

Venue: Al-Farabi Hall

Organizers: Ministry of Energy of the Republic of Kazakhstan

Keynote Speakers:

- ◆ Almassadam Satkaliyev, Minister of Energy of the Republic of Kazakhstan
- ◆ Sohail Khan, Deputy Secretary General of the SCO
- ◆ Parviz Shahbazov, Minister of Energy of Azerbaijan
- ◆ Nikolay Shulginov, Minister of Energy of Russia
- ◆ U Ko Ko Lwin, Minister of Energy of the Republic of the Union of Myanmar
- ◆ Aziz Akhmedkhadjaev, First Deputy Minister of Energy of Uzbekistan
- ◆ Khan Salman Qayum, Deputy Minister of Energy of Pakistan
- ◆ Olga Prudnikova, Deputy Minister of Energy of Belarus
- ◆ Sorboni Kholmukhammadzoda, Deputy Minister of Energy and Water Resources Tajikistan

Moderator: Almassadam Satkaliyev, Minister of Energy of the Republic of Kazakhstan

The SCO Energy Forum will be devoted to a conceptual discussion of strategic approaches to the development of energy cooperation among the SCO member states, considering global challenges. It is planned to discuss several topical issues aimed at deepening energy cooperation - the oil and gas industry, electric power, alternative energy sources, nuclear energy, the coal industry, as well as energy saving and increasing energy efficiency..

Lunch break

October 4, 13.30-14.30

Organizer: KAZENERGY

Thematic session of the FIC Working Group under the President of the Republic of Kazakhstan

Implementation of the Strategy to achieve carbon neutrality by 2060

October 4, 14.30-15.30

Venue: Abai Hall

Organizers: Association «Kazakhstan Council of Foreign Investors»

Keynote Speakers:

- ◆ Almassadam Satkaliyev, Minister of Energy of the Republic of Kazakhstan
- ◆ Yerlan Nyssanbayev, Minister of Ecology and Natural Resources of the Republic of Kazakhstan
- ◆ Abzal Abdikarimov, Vice-Minister of National Economy of the Republic of Kazakhstan
- ◆ Giancarlo Ruiu, KPO General Director
- ◆ Frode Ljones, Head of TotalEnergies in Kazakhstan
- ◆ Zhanna Baidasheva, Director of the Association «Kazakhstan Council of Foreign investors»

Moderator: Zsuzsanna Hargitai, EBRD Managing Director for Central Asia

The Foreign Investors Council supports the country's decarbonization ambitions and believes it can play a key role in the country's energy transition and implementation of its strategy to achieve carbon neutrality on February 2, 2023.

The session will consider immediate, mid-term, and long-term measures of ministries to implement positive initiatives for the low-carbon development of Kazakhstan.

Round table – Hydrocarbon transportation in a changing world

October 4, 14.30-15.30

Venue: Al-Farabi Hall

Organizers: KAZENERGY

Keynote Speakers:

- ◆ Yerlan Akkenzhenov, Vice-Minister of Energy of the Republic of Kazakhstan
- ◆ Bulat Zakirov, Deputy Chairman of the Board of JSC NC KazMunayGas
- ◆ Parviz Shahbazov, Minister of Energy of Azerbaijan
- ◆ Aidar Orzhanov, General Director of Kazmortransflot LLP
- ◆ Kairegdy Kabyldin, Deputy General Director of CPC-K JSC
- ◆ Almas Ungarsynov, Deputy General Director of KazTransOil JSC
- ◆ Friedrich Portner, Commercial Director Abu Dhabi Ports Group

Moderator: Bulat Zakirov, Deputy Chair of the Board of JSC NC KazMunayGas

The round table will be devoted to discussing issues related to the transportation of hydrocarbon resources in the changing world energy market.

Roundtable participants will discuss Kazakhstan's role as an important player in the global energy market, transport routes, and export opportunities, as well as Kazakhstan's plans and strategies in the context of a changing global market.

The discussion will focus on international cooperation in the field of hydrocarbon transportation. Issues of cooperation between countries, the development of cross-border projects and partnerships, as well as the importance of dialogue and cooperation for the efficient transportation of hydrocarbons will be discussed.

Participants will also discuss environmental aspects of transportation, various transportation methods and technologies, problems related to infrastructure, safety, efficiency, and sustainability of transportation, as well as possible innovative solutions.

Energy Dialogue – Decarbonization vs. Hydrocarbons

October 4, 15.30-16.30

Venue: Abai Hall

Organizers: KAZENERGY

Keynote Speakers:

- ◆ Serikkali Brekeshev, Deputy Chair of the Board of NC KazMunayGas JSC
- ◆ Uzakbay Karabalin, Deputy Chair of the KAZENERGY Association
- ◆ Akbar Tulegenov, Deputy Chair of the Board of QazaqGaz JSC
- ◆ Marina Vespan, Managing Director of SLB Kazakhstan and Uzbekistan
- ◆ Konilkosh Suyessinov, Deputy General Director of Tengizchevroil LLP

Moderator: Farkhat Abytov, Executive Director of the KAZENERGY Association

Given climate change and the need to reduce greenhouse gas emissions, decarbonization has become a key priority for the energy industry and the global community. Decarbonization aims to reduce dependence on hydrocarbons, transition to clean energy sources, and create a sustainable and clean energy system.

On the other hand, modern geopolitical challenges create the preconditions for the preservation of hydrocarbons as an important source of energy and an integral part of the global economy. The use of hydrocarbons ensures energy security and the supply of necessary resources.

However, it is important to note that decarbonization versus hydrocarbons does not necessarily mean eliminating hydrocarbons from the energy mix. Rather, the goal is to find a balance between the use of hydrocarbons, reducing greenhouse gas emissions, and developing clean energy sources. This may include the development and application of technologies to reduce hydrocarbon emissions, such as carbon capture and storage (CCUS) or the use of hydrocarbons in more efficient and environmentally friendly processes.

Thus, the “decarbonization versus hydrocarbons” debate highlights the need to find solutions and trade-offs that will allow us to reduce greenhouse gas emissions and achieve a more sustainable energy system while minimizing negative impacts on the economy and society. The future of energy relates to completely new digital technologies, robotics, and artificial intelligence, which determines the emergence and development of “digital” demand. Digitalization is essential to solving today’s energy challenges and increasing efficiency in all aspects of the oil and gas sector and offers an endless array of new investment opportunities.

The session will also explore how oil and gas companies manage the development of their hydrocarbon projects in the era of decarbonization.

Round table – Alternative energy worlds: how to develop green GDP?

October 4, 15.30-16.30

Venue: Al-Farabi Hall

Organizers: KAZENERGY

Keynote Speakers:

- ◆ Zhandos Nurmaganbetov, Vice Minister of Energy of the Republic of Kazakhstan
- ◆ Francesco La Camera, Director General of IRENA
- ◆ Sorboni Kholmukhammadzoda, Deputy Minister of Energy and Water Resources Tajikistan

- ◆ Mohammed Al Taani, Secretary General of the Commission on
- ◆ Arab Renewable Energy Countries (AREC)
- ◆ Nurlan Kapenov, Chairman of the Board of Directors of the Renewable Energy Association “Qazaq Green»

Moderator: Ramazan Zhampiisov, Advisor to the Chair of the ECOJER Association

The essence of the new energy structure is not getting rid of hydrocarbon energy, but its gradual replacement with renewable energy sources that do not pollute the environment during operation. According to IRENA, at the end of 2022, the global generating capacity of renewable energy installations amounted to 3,372 GW, thanks to the growth of renewable energy sources by a record 295 GW or 9.6%. Of the total electricity capacity added last year, 83% came from renewable energy sources, which is an impressive figure.

In Kazakhstan, the current system of state support for the development of renewable energy sources considering the best world practices and with the support of the KAZENERGY association, has been enshrined in legislation since 2009. The close interaction of the KAZENERGY association with leading specialized international organizations contributes to a rapid increase in the share of renewable energy projects in the energy balance, considering the experience of world countries. The goals of the Concept of Kazakhstan’s transition to a green economy and the “Kazakhstan 2050 Strategy” are to bring the share of alternative and renewable energies in the country’s energy balance to 15% in 2030 and 50% in 2050. At the end of 2022, there were over 130 renewable energy facilities in the republic with an installed capacity of 2,400 MW, which generated 5.11 billion kWh or 4.53% of the total electricity production at the end of the year. To the twelve renewable energy facilities commissioned last year with a total capacity of 385 MW, another 15 facilities with a total capacity of 276 MW will be added this year. And clean energy production will reach 5%. To fulfill the instructions of the President of the Republic of Kazakhstan to achieve 15% renewable energy by 2030, it is planned to approve a 5-year schedule of renewable energy auctions, as well as the construction of new wind farms with energy storage systems (ESS) with large companies Masdar, Total, Acwa Power. In 2022, based on the results of the auctions, the historically minimum price for wind farms was obtained - 12.49 tenge per 1 kWh, which is close to the world record. Clean renewable energy will continue to be one of the country’s economic priorities. All this will be discussed during the “green” session of the forum.

Coffee break

October 4, 16.30-17.00

Organizer: KAZENERGY

Panel session – The gas industry is a driver of decarbonization, energy security, and economic growth

October 4, 17.00-18.00

Venue: Abai Hall

Organizers: QAZAQGAZ, KAZENERGY

Keynote Speakers:

- ◆ Serikkali Brekeshev, Deputy Chairman of the Board of NC KazMunayGas JSC

- ◆ Meirbek Ikhsanov, First Deputy Chairman of the Board of QazaqGaz JSC
- ◆ Mustafid Gunawan, Director of the Oil and Gas Industry Development Program Indonesian Ministry of Energy
- ◆ Arfan Khan, Chief Executive Officer, Nostrum Oil&Gas

Moderator: Matthew Sagers, Vice President, S&P Global

The global natural gas market remained tight in 2022 as global demand fell by about 1.6%. According to the forecast of the International Energy Agency (IEA), in 2023, the demand for gas in the world will not change significantly, although its cost may resume growth due to energy shortages in Europe and the lifting of COVID restrictions in China that suppressed domestic consumption. Demand for gas, especially LNG, is expected to grow in the Asian region, which will support the status of supply negotiations.

Kazakhstan's priorities as a resource country are to saturate its domestic market with natural gas. In connection with the transfer of thermal power plants and some industrial enterprises from coal to gas, the launch of a gas chemical complex and against the backdrop of regional gasification and increased consumption, to avoid a general fuel shortage in the autumn-winter period of 2023-2024, the country may limit the export of natural gas. Successful gasification will be facilitated by the planned reversal of one of the lines of the Central Asia-Center (CAC) international gas pipeline system, which runs from Turkmenistan through Uzbekistan and Kazakhstan to Russia, as well as supplies of Russian gas. The updated General Scheme for gasification of the country until 2030 and large-scale plans for the opening of new petrochemical production facilities will determine the further development of the gas industry, including within the EAEU. Key issues are on the agenda for discussion among session participants.

Round table – The role of analytics in decision-making in the energy industry

October 4, 17.00-18.00

Venue: Al-Farabi Hall

Organizers: KAZENERGY

Keynote Speakers:

- ◆ Zhandos Shaimardanov, Chairman of the Agency for Strategic Planning and reforms of the Republic of Kazakhstan
- ◆ Polina Mirenkova, Project Director, S&P Global Commodity Insights
- ◆ Vlasios Voudoris, Chief Data Expert at Argus
- ◆ Kenzhebek Ibrashev, General Director of the KAZENERGY Association
- ◆ Olzhas Khudaybergenov, Senior Partner, Center for Strategic Initiatives

Moderator: Alikhan Baidusenov, Executive Director, Head of the KAZENERGY analytical center

**XV Eurasian Forum KAZENERGY Gala reception
(Hilton Astana Hotel, by invitation only)**



「 ВЗАИМНАЯ ВЫГОДА СОВМЕСТНОЕ РАЗВИТИЕ 」

КИТАЙСКАЯ НАЦИОНАЛЬНАЯ
НЕФТЕГАЗОВАЯ КОРПОРАЦИЯ МОЖЕТ СТАТЬ
ВАШИМ ДЕЛОВЫМ ПАРТНЕРОМ,
НА КОТОРОГО ВСЕГДА МОЖНО ПОЛОЖИТЬСЯ





THIRD DAY. October 5, Thu

Diplomatic breakfast of the Society of Honorary Consuls October 5, 08.30-09.45

Venue: Aspan Hall (3 floor)

Organizers: SHC

Keynote Speakers:

- ◆ Jambulat Sarsenov, Honorary Consul of Hungary in the Republic of Kazakhstan
- ◆ Baurzhan Akatayev, Director of the DCS of the Ministry of Foreign Affairs of the Republic of Kazakhstan
- ◆ Katie Leach, British Ambassador to the Republic of Kazakhstan
- ◆ Armen Gevondyan, Ambassador of Armenia to the Republic of Kazakhstan
- ◆ Temirlan Aimagambetov, Director of VHI KAZENERGY

Moderator: Denis van den Weij, Chairman of the Board of the Society of Honorary Consuls, Honorary Consul of Belgium in the Republic of Kazakhstan

Intellectual team competition “Student Energy Challenge” October 5, 09.00-18.00

Venue: Zhastan Hall (2 floor)

Organizers: KAZENERGY, SHELL

Competition jury:

- ◆ Aigul Barmenkulova, Head of Corporate Relations, Shell
- ◆ Ivo Verstralen, General Manager, Field Development, Shell
- ◆ Ainur Sospanova, Chairman of the Board of the QazaqGreen Association
- ◆ Rustem Kabzhanov, General Director of the Association of Legal Entities ECOJER
- ◆ Damir Narynbayev, Executive Director of the KAZENERGY Association

Moderators:

- ◆ Duysembayev M., Representative Shell Kazakhstan
 - ◆ Tolymbekova V., leading expert of the KAZENERGY Association
-

Presentation of the National Energy Report 2023 October 5, 10.00-11.00

Venue: Abai Hall

Organizers: KAZENERGY

Keynote Speakers:

- ◆ Daniel Yergin, Vice Chairman of S&P Global (video message)
- ◆ Matthew Sagers, Vice President, S&P Global
- ◆ Nabi Aitzhanov, Chairman of the Board of KEGOC JSC
- ◆ Konilkosh Suyessinov, Deputy General Director of Tengizchevroil LLP
- ◆ Katja de Vere Walker, Director, SEEPX



Moderator: Kenzhebek Ibrashev, General Director of the KAZENERGY Association

The National Energy Report (NER) is a comprehensive document containing information on the current state and prospects for the development of the energy industry in Kazakhstan and the world. To date, the KAZENERGY Association has prepared five NERs: in 2013, 2015, 2017, 2019 and 2021. The documents reflect KAZENERGY's strategic view on the sustainable development of the oil, gas, and energy industries of the Republic of Kazakhstan as a single system. The main expert in the process of working on the NER was S&P Global.

The NER became a significant event for the entire expert community of the country and provided guidelines for the further development of the energy industry of Kazakhstan in the context of global energy. The conclusions and recommendations developed on its basis turned out to be in demand in the process of making important and difficult decisions by the state and the business community.

Coffee break

October 5, 11.00-11.30

Organizer: KAZENERGY

STRATEGIC SESSION – Kazakhstan – regional investment hub

October 5, 11.30-12.30

Venue: Abai Hall

Organizers: Kazakh Invest

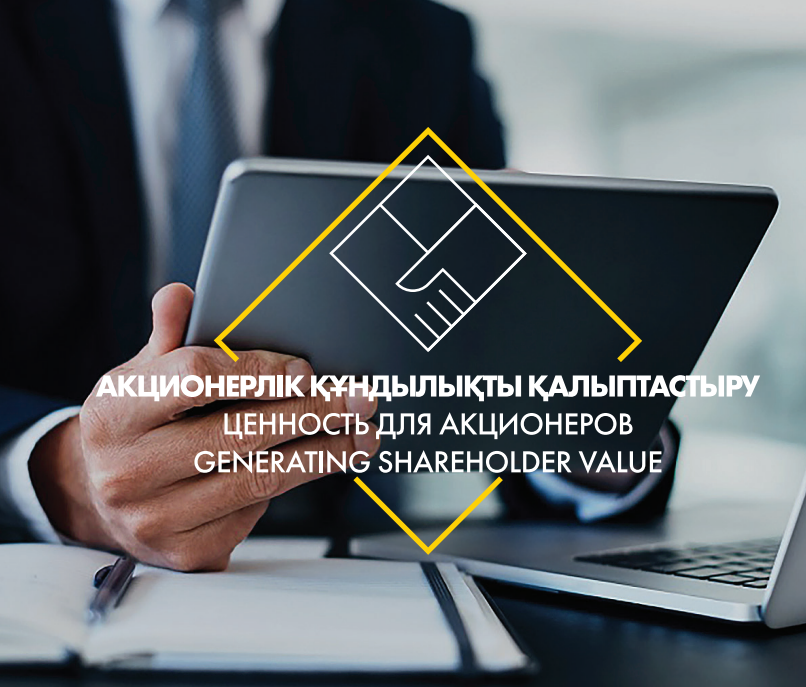
Keynote Speakers:

- ◆ Zsuzsanna Hargitai, EBRD Managing Director for Central Asia
- ◆ Nazira Nurbayeva, Deputy Minister of Foreign Affairs of the Republic of Kazakhstan
- ◆ Chairman of the Board of JSC NC Kazakh Invest
- ◆ Temirlan Mukhanbetzhanov, acting Chairman of the Board of JSC «AIFC Administration»
- ◆ Zhanna Baidasheva, Director of the Association “Kazakhstan Council of Foreign investors»
- ◆ Saltanat Satzhan, Managing Director for Development and Privatization of Samruk JSC Kazyna»

Moderator: Ardak Zebeshev, Chairman of the Investment Committee

Today, thanks to the favorable investment climate, the world's largest oil and gas corporations from Europe, the USA, Russia, China, and other countries operate in Kazakhstan. The strong and impressive growth of hydrocarbon production in Kazakhstan over many years is ensured by their stable investments in projects. During the years of independence, the volume of foreign direct investment in the industry exceeded \$200 billion, which contributed to the discovery of new fields, the launch of projects for deep processing of hydrocarbons, and the introduction of Kazakhstani raw materials to new export markets.

New growth strategies in the energy sector of Kazakhstan require an investment of about \$14 billion. Further investment growth will be ensured by a new improved model contract for



АКЦИОНЕРЛІК ҚҰНДЫЛЫҚТЫ ҚАЛЫПТАСТЫРУ
 ЦЕННОСТЬ ДЛЯ АКЦИОНЕРОВ
 GENERATING SHAREHOLDER VALUE



ҚОҒАМДЫ ҚУАТТАНДЫРУ
 ЭНЕРГИЯ ДЛЯ ОБЩЕСТВА
 POWERING LIVES



ТАЗА НӨЛДІК ШЫҒАРЫНДЫЛАРҒА ЖЕТУ
 ЧИСТЫЕ НУЛЕВЫЕ ВЫБРОСЫ
 ACHIEVING NET-ZERO EMISSIONS



ТАБИҒАТТЫ ҚОРҒАУ
 ЗАБОТА О ПРИРОДЕ
 RESPECTING NATURE

30 

Ж Ы Л ШЕЛЛ ҚАЗАҚСТАН
 1993-2023

ӨРКЕНДЕУ ЖОЛЫНДА БІРГЕМІЗ
 НА ПУТИ К ПРОГРЕССУ ВМЕСТЕ
 POWERING PROGRESS TOGETHER





subsoil users, providing for flexible preferences.

It is expected that in Tengiz the Future Expansion Project and the Wellhead Pressure Management Project with a total cost of \$46.7 billion will be completed in 2024. At Kashagan, the commissioning of new production facilities will increase oil production to 450 thousand barrels per day in 2025, up to 450 -500 thousand barrels per day in 2027, and up to 700 thousand barrels per day in 2031-2032. At Karachaganak, by 2025 and by 2028, as part of expansion projects, additional raw gas reinjection compressors will be operational for \$970 million and \$734.6 million, respectively. In addition, gas processing and petrochemical plants are being built in the country, making it possible to bring the Kazakh industry to a new modern stage of development.

Given that in the struggle for global investment, the speed of making investment decisions is of strategic importance, the government must be more flexible and more responsive to the needs and concerns of investors. How? – we'll talk about this during the investment session.

Panel session – Global energy security

October 5, 12.30-13.30

Venue: Abai Hall

Organizers: KAZENERGY

Keynote Speakers:

- ◆ Bolat Akchulakov, Advisor to the President of the Republic of Kazakhstan
- ◆ Kairat Sarybay, CICA Secretary General
- ◆ Aidos Sarym, Secretary of the Committee on International Affairs and Defense
- ◆ Mazhilis of the Parliament of the Republic of Kazakhstan
- ◆ Alibek Zhamauov, Vice Minister of Energy of the Republic of Kazakhstan
- ◆ Yerkin Tukumov, Director of Kazakhstan Institute For Strategic Studies Under The President Of The Republic Of Kazakhstan

Moderator: Chokan Laumullin, KBTU professor

This panel session will be devoted to discussing current issues and challenges related to ensuring global security in the energy industry. Session participants will discuss the impact of geopolitical factors on energy security and measures that can be taken to mitigate risks for the energy industry, including through energy independence and diversification of energy sources.

An important area of discussion will be measures to combat climate change, transition to sustainable energy sources, reducing greenhouse gas emissions, developing renewable energy sources, and energy efficiency.

Session participants will discuss the relationship between energy security and economic development, including an analysis of the impact of energy security on investment, energy trade, and economic stability.

The role of innovation and new technologies in increasing energy security will also be considered, including the development and implementation of new technologies to protect energy infrastructure, improve energy efficiency, and develop clean energy sources.

Round table – Energy and life: energy efficiency and energy saving

October 5, 12.30-13.30

Venue: Al-Farabi Hall

Organizers: German agency DENA, KAZENERGY

Keynote Speakers:

- ◆ Baurzhan Smagulov, Secretary of the Committee on Ecology and Natural Resources
- ◆ Management of the Mazhilis of the Parliament of the Republic of Kazakhstan
- ◆ Tolegen Omarbekov, Director of the Institute for Electric Power Industry Development and energy saving
- ◆ Aliya Shalabekova, Director of the Department of JSC NC KazMunayGas
- ◆ Michael Müller, Head of Energy Efficiency at DENA
- ◆ Maurits Becker, representative of Green Navigation (online)
- ◆ Evelina Bauer, German energy efficiency company (online)

Moderator: Damir Narynbayev, Executive Director of the KAZENERGY Association

Energy efficiency has been the main trend of the world economy in recent years, including all aspects of technological development, modernization, and diversification of the economy, as well as the growth of competitiveness and efficiency of the economy. This is the basis for creating smart cities.

Kazakhstan also sets ambitious goals for modernizing the economy and increasing energy efficiency. According to government plans, the energy intensity of GDP should decrease by 25% by 2025 and by 50% by 2050. For this, all necessary conditions have been created in the republic: the Law on Energy Saving and the State Program “Energy Saving 2020” have been adopted, and the National Institute for the Development of Energy Saving has been determined, based on the experience of Japan, the State Energy Register has been created, the subjects of which have achieved savings amounting to over 200 billion tenge, a new market has been formed energy audit, estimated at 2 billion tenge annually, the market for energy services is developing and an Energy Efficiency Map has been developed, within the framework of which 149 projects are being implemented, and cooperation has been established with international partners - the World Bank, the UN Development Program, the European Bank for Reconstruction and Development, the German Energy Agency and others.

Lunch break

October 5, 13.30-14.30

Organizer: KAZENERGY

ADB Thematic Session – Energy Transition Framework

October 5, 14.30-18.00

Venue: Abai Hall

Organizers: Asian Development Bank

Keynote Speakers:

- ◆ Zhaslan Kassenov, Director of the Renewables energy of the Ministry of Energy of the Republic of Kazakhstan
- ◆ Seungju Baek, Deputy Dean, ADB Institute
- ◆ Nariman Mannapbekov, Director of ADB in Kazakhstan
- ◆ Ainur Sospanova, Chairman of the Board of the Renewable Energy Association “Qazaq Green”
- ◆ Pramudya, Deputy Director of the Indonesian Ministry of Energy and Mineral Resources
- ◆ Kuanysh Beisengazin, Deputy Chairman of the Board of the Institute of Economic Research of the Ministry of National Economy of the Republic of Kazakhstan
- ◆ Zhannat Salimova Tekai
- ◆ George Moles-Van der Gaag, Senior Manager, Energy Transition, Carbon Trust (online)
- ◆ Andrew Jeffries, ADB Director for Energy Transition (online)
- ◆ Edo Mahendra, Representative, Ministry of Maritime, and Investment Affairs Indonesia
- ◆ Bekzhan Mukatov, National Energy Consultant, ADB

Moderators:

- ◆ 1st section - Dina Azhgalieva, Researcher, ADB Institute
- ◆ 2nd section - Akbar Riznaldi, Researcher ADB Institute
- ◆ 3rd section - Marat Kalmenov, Head of the Business Development Service of KBTU

The session will discuss the results of the Energy Transition Mechanism (ETM) of the Asian Development Bank (ADB) in Southeast Asia and the prospects for the development of such an instrument in Kazakhstan.

Round table – Investments in regional energy

October 5, 14.30-15.30

Venue: Al-Farabi Hall

Organizers: KAZENERGY

Keynote Speakers:

- ◆ Aidos Daribayev, Director of the Electric Power Industry Development Department
- ◆ Ministry of Energy of the Republic of Kazakhstan
- ◆ Dyusenbay Turganov, Deputy of the Mazhilis of the Parliament of the Republic of Kazakhstan
- ◆ Zhumabay Karagaev, First Deputy Akim of Mangistau region
- ◆ Mavr Abdullin, Deputy Akim of Aktobe region
- ◆ Kairat Nurtayev, Deputy Akim of Atyrau region
- ◆ Bakytzhan Bayakhmetov, Deputy Akim of East Kazakhstan region



- ◆ Kaliyar Aitmukhambetov, Deputy Akim of West Kazakhstan region
- ◆ Aydin Beksoltan, Technical Director of Kazakhstan Utility Systems LLP
- ◆ Ansar Aidarov, Chief Investment Officer of Samruk-Energy JSC

Moderator: Zhakyp Khairushev, Director of the Department of Energy and Housing and Public Utilities, NCE «Atameken»

The format of this session will be held for the first time in the countries of Central Asia and the Caspian region and will allow each region of the country on a single platform to expand the boundaries of the investment dialogue, to reveal additional potential for attracting new investors interested in financing energy projects in various regions.

Each region will be able to offer investors to participate in the modernization of the network of thermal power plant complexes. Depending on the geographical location and level of development of industrial facilities, projects in the electric power industry, modern coal generation, and the nuclear industry may be relevant.

EITI Conference

October 5, 15.30-16.30

Venue: Al-Farabi Hall

Organizers: Ministry of Industry and Construction of the Republic of Kazakhstan

Keynote Speakers:

- ◆ Kanat Sharlapaev, Minister of Industry and Construction of the Republic of Kazakhstan
- ◆ Sergey Ponomarev, Deputy of the Mazhilis of the Parliament of the Republic of Kazakhstan
- ◆ Banu Nurgazieva, President of the Civil Alliance of the Republic of Kazakhstan
- ◆ Danila Bekturganov, Director of the Civil Expertise Foundation
- ◆ Maxim Kononov, Deputy Executive Director of the Republican Legal Entity Association of Mining and Metallurgical Enterprises»
- ◆ Temirlan Aimagambetov, Director of VHI of the KAZENERGY Association

Moderator: Iran Sherkhan, Vice Minister of Industry and Construction of the Republic of Kazakhstan

A round table on the International Extractive Industries Transparency Initiative (EITI) will be organized with the participation of representatives of the Government of the Republic of Kazakhstan, deputies of the Parliament of the Republic of Kazakhstan, local administrative bodies, the International Secretariat, and the EITI Board, the AGMP Association, large companies in the field of subsoil use, the non-governmental sector, international organizations, observers and other interested parties.

The implementation of the EITI has a positive impact on the image of Kazakhstan, the investment attractiveness of the energy industry, and many areas of the economy, and becomes an example for other projects implemented in the country.

Coffee break

October 5, 16.30-17.00

Organizer: KAZENERGY



Karachaganak



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КАРАЧАГАНАК ПЕТРОЛИУМ ОПЕРЕЙТИНГ Б.В. (КПО)

Карачаганак сегодня – это стабильный уровень производства и крупные инвестиции в инновационные технологии, местное содержание, социальную инфраструктуру, безопасность и окружающую среду.

Выполняя свои производственные обязательства и являясь социально-ответственной организацией, КПО ведет работу, направленную на получение максимальных социально-экономических выгод для местного населения.

Вклад компании в развитие Казахстана был отмечен многочисленными наградами на Национальном конкурсе «Парыз», в том числе Гран-при 2021 года.





Japanese ROTOBO Association Seminar on Carbon Neutrality and Green Transformation

October 5, 17.00-18.00

Venue: Al-Farabi Hall

Organizers: Japan ROTOBO Association

Keynote Speakers:

- ◆ Arman Kashkinbekov, Chairman of the Board of JSC National Center State Scientific and Technical Expertise»
- ◆ Ramazan Zhampiisov, Advisor to the Chairman of the ECOJER Association
- ◆ Masashi Watanabe, Director of the Office for Russia, Central Asia and the Caucasus
- ◆ Trade Policy Bureau of the Ministry of Economy, Trade and Industry of Japan
- ◆ Yasushi Kakitsuka, General Director of Mitsubishi Heavy Industries Russia LLP
- ◆ Motoko Daimon, President of Kawasaki Heavy Industries Russia LLP

Moderator: Miki Wajima, Vice-General Director of Research Institute ROTOBO

The seminar will examine Japan's experience in carbon neutrality and green transformation

FOURTH DAY. October 6, Fri

KAZENERGY Start-Up Battle

October 6, 09.00-10.30

Venue: Abai Hall

Organizers: KAZENERGY

Keynote Speakers:

- ◆ Kenzhebek Ibrashev, General Director of the KAZENERGY Association
- ◆ Marina Vespan, Managing Director of SLB Kazakhstan and Uzbekistan
- ◆ Magzhan Madiyev, General Director of Astana Hub

Moderator: Lyazzat Akhmurzina, Executive Director of the KAZENERGY Association

The competition is held to popularize and support the development of new technologies in the energy sector among the country's talented and progressive youth with the participation and support of specialized technical universities (KBTU, Atyrau Oil and Gas University).

GR forum State and Business: Partnership for Effective Interaction

October 6, 09.00-10.30

Venue: Al-Farabi Hall

Organizers: GR Hub



Keynote Speakers:

- ◆ Mira Kuderinova, Managing Director of Kolesa Group,
- ◆ Advisor to the Chairman of the Digital Kazakhstan Association
- ◆ Anar Makasheva, President of the Kazakhstan Automobile Union
- ◆ Kazbek Kuzhimov, Director of the consulting company KK Regulatory Consulting
- ◆ Yerlik Karazhan, Director of the ESGQ Rating Agency
- ◆ Sayat Boranbekov, President of the PetroMining Association
- ◆ Ayazhan Uteuova, Member of the Public Council of Astana,
- ◆ Head of the Association for Relations between Business, Society and Government
- ◆ Telman Shuriyev, CEO of Green Mind

Moderator: Aizhan Khamitova, Head of GR Hub, Director of Business Development of the ESGQ rating agency

GR Forum is held by a community of professionals from various sectors of the economy, industry associations, educational institutions, and quasi-public sector companies engaged in strategic communications, interaction with government authorities, local executive bodies, Parliament, and other key stakeholders of their companies (GR HUB).

The meeting of business representatives, GR experts, and government authorities will be held in the Open Microphone format.

The purpose of the meeting is to discuss recommendations and joint strategies in the field of interaction between business and government authorities to improve cooperation and trust between the parties, to promote sustainable economic growth of the country.

Coffee break

October 6, 10.30-11.00

Organizer: KAZENERGY

STRATEGIC SESSION – Green finance: ahead of its time

October 6, 11.00-12.00

Venue: Abai Hall

Organizers: AIFC

Keynote Speakers:

- ◆ Ma Jun, Chair of the China Green Finance Committee (video message)
- ◆ Mayra Karassayeva, Lead Banker at the EBRD in Kazakhstan
- ◆ Botagoz Abisheva, Deputy Chair of the Board of the Development Bank of Kazakhstan
- ◆ Dina Zhanadil, Managing Director of the Development Bank of Kazakhstan
- ◆ Azamat Tuleubay, Managing Director of the Eurasian Development Bank

Moderator: Daniyar Kelbetov, Managing Director of the AIFC

In 2022, by decree of the President of the Republic of Kazakhstan Kassym-Jomart Tokayev, the Strategy for achieving carbon neutrality until 2060 was approved, aimed at decarbonizing the economy and introducing low-carbon technologies. Achieving carbon neutrality goals requires the creation of a green investment market. According to calculations by the Ministry of National Economy of the

Republic of Kazakhstan, it is estimated at \$647.5 billion over the next 40 years. About 96.5% of the total funding is expected from the private sector. Budget funds will support the formation of a regulatory framework and financial infrastructure.

Today, the country already has a basic legislative and regulatory framework for the development of the green finance market. The concept of “taxonomy of green projects” to be financed through “green” bonds and loans has been introduced. Tools are available to encourage the environmental performance of enterprises. To assist potential issuers and investors from Kazakhstan and Central Asia in issuing green bonds, the Green Finance Center of the Astana International Financial Center (AIFC) was created. Its importance is increasing due to plans for the European Union to introduce a Carbon Border Adjustment Mechanism (CBAM) in 2026. The Damu Fund, which issued its debut green bonds three years ago, has become an example for other investors in promoting green finance in the country.

What the AIFC can offer to potential issuers and what ways of integration into international markets are being considered by Kazakhstan to mobilize sustainable investments in the economy will be discussed by the participants of the strategic session.

Round table – Artificial intelligence in the energy sector

October 6, 12.30-13.30

Venue: Al-Farabi Hall

Organizers: KAZENERGY

Keynote Speakers:

- ◆ Adilkhan Kopabayev, Chairman of the Board of the Situational Analytical Center fuel and energy complex of the Republic of Kazakhstan
- ◆ Tanat Uskembayev, Managing Director of Astana Hub
- ◆ Frank-Alexandre Salleban-Besson, Director of the startup DataThings
- ◆ Marat Kuatov, Digital Champion TCO

Moderator: Yerzhan Dzhanzakov, Managing Partner at Zeinet&SSE,
President of FACEPLATE

Artificial intelligence (AI) has become a powerful tool in various industries, and its potential in sustainable energy solutions is no exception. With climate change and the need for clean, renewable energy, AI offers a new era of problem-solving that could revolutionize how these pressing issues are approached.

AI has the potential to disrupt the field of sustainable energy solutions. By optimizing energy consumption, facilitating the integration of renewable energy sources, improving energy storage systems, and enabling the development of innovative solutions, AI can help combat the challenges of climate change and transition to a cleaner, more sustainable future. As we enter this new era of problem-solving, the intersection of AI and environmental engineering holds great promise for creating a greener, more efficient world.

30 жыл сенімді серіктестік



Қазақстанның энергетикалық жобаларын жүзеге асыру мақсатында «ЭксонМобил» компаниясы осымен отыз жыл бойы өз ресурстарымен және тәжірибесімен бөлісіп келеді.

Компания жұмыс жасап жатқан өңірлеріне инвестиция бөлу арқылы жергілікті тұрғындарына жаңа мүмкіншіліктерге жол ашып, өңірлердің экономикалық өркендеуіне ықпал етуде.



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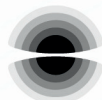
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