



FINAL REPORT

KAZAKHSTAN ENERGY WEEK – 2023
XV KAZENERGY EURASIAN FORUM

 October 3-6, 2023

Astana at the EXPO
Congress Center



From October 3 to October 6, 2023, Kazakhstan Energy Week-2023 / XV KAZENERGY Eurasian Forum (hereinafter – Forum) was held in Astana at the EXPO Congress Center.

The event was organized by the KAZENERGY Association with the support of the Government of the Republic of Kazakhstan, while this year, along with traditional partners (the Ministry of Energy of the Republic of Kazakhstan and the Akimat of Astana), the Forum was supported organizationally and substantively for the first time by the Ministry of Foreign Affairs of the Republic of Kazakhstan (Investment Committee, embassies and consulates of the Republic of Kazakhstan abroad), Ministry of Ecology and Natural Resources of the Republic of Kazakhstan, Council of Foreign Investors under the President of the Republic of Kazakhstan, JSC NC «Kazakh Invest», AIFC, Astana Hub, etc.

The agenda of the anniversary Forum included the most pressing industry issues, incl. tasks set by the Head of State for the national industry, such as decarbonization, ensuring energy security, renewable energy sources, gasification, petrochemicals, and diversification of resource transportation. The Forum participants also discussed issues of ecology, investment in the country’s energy sector, new IT solutions, advanced technologies, education, etc.

The global discussion platform of the Energy Week and Forum brought together heads of international organizations, government agencies, oil and gas corporations, and leading Kazakh and foreign industry experts. More than 2,000 delegates took part in the Week and Forum, including 400 foreign participants from 32 countries. Within the framework of the Forum, 33 different sessions were held, at which 184 speakers spoke. Among the key events: Plenary meeting, SCO Energy Forum, Strategic sessions, thematic session of the Council of Foreign Investors under the President of the Republic of Kazakhstan, presentation of the National Energy Report 2023, session with the participation of the leadership of regional akimats, dedicated to investments in the energy infrastructure of the regions, the first competition of startups in the energy sector «KAZENERGY Start-Up Battle» and others.



MORE THAN

2000

DELEGATES TOOK PART IN THE WEEK AND FORUM

INCLUDING

400

FOREIGN PARTICIPANTS

FROM 32

COUNTRIES

WITHIN THE FRAMEWORK OF THE FORUM

33

DIFFERENT SESSIONS WERE HELD

AT WHICH



184

SPEAKERS SPOKE



FIRST DAY (03.10.2023)

Strategic session
“Eco-environment and energy:
vectors of partnership”



MAIN EVENTS ON THE AGENDA:

- ◆ Sub-forum event – VI Forum of the Women’s Energy Club KAZENERGY “EmpowerHER energy forum” (organizer – KAZENERGY);
- ◆ SCO expert meeting “Global diversification of supplies: partnership for stability” (organizer - Ministry of Energy of the Republic of Kazakhstan);
- ◆ Round table “Science and Energy: A Look into the Future” (organizers: KBTU, KAZENERGY);
- ◆ Strategic session “Eco-environment and energy: vectors of partnership” (organizers: MENR RK, KAZENERGY);
- ◆ Round table “Advanced processing and energy products of the future” (organizer - KAZENERGY);
- ◆ Panel session “Nuclear Agenda: environmental friendliness vs safety” (organizer – KAZENERGY);
- ◆ Round table “Energy Security of the CIS Countries” (organized by the Executive Committee of the CIS Electric Power Council, the Ministry of Energy of the Republic of Kazakhstan);
- ◆ Panel session “Digital power industry: the future that has come” (organizer – KAZENERGY);
- ◆ Round table “Hydrogen: oil of the 21st century?” (Organizer – UNECE).

SIGNIFICANT PRE-FORUM EVENTS:

October 3, 2023, President of the Republic of Kazakhstan Tokayev K.K. received the Chairman of the Board of Directors of CNPC, Mr. Dai Houliang (speaker of the plenary meeting of KEW-2023).

The prospects for further cooperation between Kazakhstan and CNPC in the oil and gas industry were discussed during the meeting. In particular, the Head of State drew the interlocutor’s attention to the importance of continuing work on the exploration and production of hydrocarbons and noted the special significance for Kazakhstan of the project to expand the production capacity of the Shymkent Refinery. In addition, issues of gas export to China and the construction project of a new line of the Beineu-Bozoy-Shymkent gas pipeline, as well as prospects for expanding the export of Kazakh oil to China, were discussed.

At the Government House, Prime Minister of the Republic of Kazakhstan Smailov A.A. and Director of the “integrated development of gas fields, exploration and production of oil and gas” Shell PLC., Ms. Zoe Yujnovich (speaker of the plenary session of KEW-2023) discussed issues of the ongoing development of the Kashagan and Karachaganak fields, the construction of new gas processing plants, compliance with environmental standards legislation of the Republic of Kazakhstan and many others. The Prime Minister of the Republic of Kazakhstan noted that the Government of the Republic of Kazakhstan highly values Shell’s contribution to the development of the oil and gas industry of the republic and is committed to strengthening long-term cooperation. In turn, Zoe Yujnovich confirmed Shell’s focus on further cooperation with Kazakhstan.

VI FORUM OF THE WOMEN’S ENERGY CLUB KAZENERGY “EMPOWERHER ENERGY FORUM”

The main themes of the Women’s Energy Forum’s anniversary Forum concern the role of women in driving and achieving social and environmental results, ensuring compliance with ESG principles in corporate governance, balancing personal brand and ESG standards at work and home, seeking diversity and inclusion in organizations (and achieving whether there is a real positive financial and social effect). Participants of the event discussed whether companies need to evaluate themselves as a gender-neutral organization, discussed which strategies have shown their effectiveness in reducing inequality, etc.

Key participants of the event:

- **Kenzhebek Ibrashev**, General Director of the KAZENERGY Association
- **Akmadi 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 Akkaisyeva**, Deputy General Director of MAEK LLP
- **Emer Bonner**, Vice President of Technology, Chevron (online)
- **Cecile Rolin**, Managing Director of ExxonMobil Kazakhstan inc.
- **Lazzat Ramazanova**, Deputy Chairman of the National Commission for Women’s Affairs and Family and Demographic Policy under the President of the Republic of Kazakhstan
- **Diana Arysova**, Deputy Chairman 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 Renewable Energy Association
- Yerlik Karazhan, Director of ESGQ Rating Agency LLP
- Lyazzat Akhmurzina, Executive Director of the KAZENERGY Association
- Gulzada Shakulikova, Rector of Atyrau Oil and Gas University
- Rysty Tasmagambetova, Deputy Chairman of the Board of Embamunaigas JSC

SCO EXPERT MEETING “GLOBAL DIVERSIFICATION OF SUPPLIES: PARTNERSHIP FOR STABILITY”

The meeting was held in a closed format, with the participation of experts from the participating countries and SCO observers.



ROUND TABLE “SCIENCE AND ENERGY: A LOOK INTO THE FUTURE”

The round table participants discussed how universities, in a dynamic world, are working to find solutions to modern energy challenges, what are the updated requirements for employee training, and in what direction will fundamental science develop in the future.



KBTU Rector Maratbek Gabdullin introduced the round table participants to the activities of one of the leading technical universities in Kazakhstan, recalled the holding of the 7th World Petroleum Council Youth Forum in 2022 together with the KAZENERGY Association, and also announced the creation of a Polytechnic Hub on September 18, 2023, under the auspices of this association universities in the energy sector. “The purpose of this hub is to provide a unique platform for improving educational programs to adequately respond to looming changes in the energy sector and equip students with the necessary knowledge to navigate it. Within the Hub, ESG goals for the energy transition will be achieved by updating educational programs and conducting guest lectures and events dedicated to achieving ESG goals,” said Rector Maratbek Gabdullin.

Key participants:

- **Asylkhan Bibosinov**, acting Chairman of the Science Committee of the Ministry of Education and Science of the Republic of Kazakhstan
- **Mohammed Al Taani**, Secretary General of the Arab Renewable Energy Commission (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 of Satbayev University
- **Askar Syzdykov**, Director of the Institute of Geology and Oil and Gas Business named after K. Turysov, Academician of the International Academy of Informatization
- **Abdulakhat Ismailov**, Dean of the School of Energy and Oil and Gas Industry of KBTU
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STRATEGIC SESSION “ECO-ENVIRONMENT AND ENERGY: VECTORS OF PARTNERSHIP”

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. The Republic is reforming its energy sector to diversify its energy mix to include more renewable energy sources in the form of wind, solar, and water. Even though 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.

Session participants noted that energy companies in Kazakhstan are increasing funding for environmental projects, creating a favorable environment in the regions of their presence. 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.

Minister of Ecology and Natural Resources of the Republic of Kazakhstan Yerlan Nysanbayev noted in his speech that “within the framework of environmental reform, the Ministry recognizes the importance of consolidating the efforts of the public, industry, and government bodies. The Ministry welcomes the decision of foreign partners to build new renewable energy capacities in Kazakhstan and the transfer of new knowledge on reducing emissions into the environment.” Minister Yerlan Nyssanbayev emphasized that environmental responsibility is becoming a key component of the business models of energy companies in Kazakhstan.

Key participants:

- **Yerlan Nyssanbayev**, Minister of Ecology and Natural Resources of the Republic of Kazakhstan
- **Renat Bekturov**, AIFC Governor
- **Hiroshi Matsuda**, Senior Vice President, Mitsubishi Heavy Industries
- **Dulatbek Ikbayev**, Managing Partner of McKinsey & Company in Central Asia
- **Rustem Kabzhanov**, General Director of the ECOJER Association

ROUND TABLE “ADVANCED PROCESSING AND ENERGY PRODUCTS OF THE FUTURE”

According to the round table participants, 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.

Key participants:

- **Askhat Khasenov**, Vice Minister of Energy of the Republic of Kazakhstan
- **Daniyar Tiesov**, 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
- **Nurlan Zhumagulov**, General Director of the Energy Monitor PF

PANEL SESSION “NUCLEAR AGENDA: ENVIRONMENTAL FRIENDLINESS VS SAFETY”

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 by building 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 Ems land, 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 important 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. Participants in the panel



session noted that there are all 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 its processing, and a scientific base.

Key participants:

- **Dastan Kosherbayev**, Chief Director for Commerce of NAC Kazatomprom JSC
- **Timur Zhantikin**, General Director of Kazakhstan Nuclear Power Plants JSC
- **Khaled Toukan**, Chairman of the Jordan Atomic Energy Commission, Member of the IAEA Standing Advisory Group on Nuclear Energy (online)
- **Matthias Braun**, Executive Director NAGRA
- **Vladimir Vityuk**, Deputy General Director of the RSE National Nuclear Center of the Republic of Kazakhstan
- **Lukas Eby**, Secretary General of the Swiss Nuclear Forum



ROUND TABLE «ENERGY SECURITY OF THE CIS COUNTRIES»

A reliable and stable energy supply is one of the most pressing and complex challenges faced by the international community of almost all countries of the world. The round table participants agreed that, considering the existing technological



and infrastructural connectivity of the energy systems of the CIS member states and the continuing trend of decarbonization, creating conditions for ensuring energy security is one of the main factors in the development of the economies of the Commonwealth states and strengthening their national security.

Particular attention was paid to the issues of forecasting energy balances, as well as the development of the system of interstate transmission lines of the CIS member states. The issue of harmonization of standards and management of the unified energy system was actively discussed.

The round table became a platform for discussing approaches, exchanging experiences, informing about new projects and directions in ensuring energy security in the Commonwealth and contributing to the creation of new scenarios for sustainable energy development of the Commonwealth states and the promotion of new legislative initiatives in this area.

Key participants:

- **Zhandos Nurmaganbetov**, Vice Minister of Energy of the Republic of Kazakhstan
- **Olga Prudnikova**, Deputy Minister of Energy of Belarus
- **Talaibek Baygaziev**, Deputy Minister of Energy of Kyrgyzstan (online)
- **Sorboni Kholmukhamadzoda**, Deputy Minister of Energy and Water Resources of Tajikistan
- **Azim Akhmedkhadjayev**, First Deputy Minister of Energy of Uzbekistan
- **Mikhail Myskin**, Director of the Economic Cooperation Department of the EEC
- **Kairat Maksutov**, Chairman of the Board of Samruk-Energy JSC
- **Taras Kupchikov**, Chairman of the Executive Committee of the CIS EPS





PANEL SESSION “DIGITAL POWER INDUSTRY: THE FUTURE THAT HAS COME”

Like many other industries, the electricity industry is becoming increasingly digitized. The most technologically advanced energy companies are introducing individual elements of digitalization in the process of updating production assets and because of changes in regulatory requirements, as in the case of installing automated monitoring systems.

According to the session participants, when compared with other industries in Kazakhstan, in which digitalization processes have radically affected business models and the emergence of new products as a result of the transition of various businesses to platform solutions (Fintech, Uber, etc.), in the electric power industry, digitalization is proceeding quite conservatively, and as a way to improve the efficiency of production processes in the following key areas:

- *operation and maintenance of assets;*
- *increasing energy efficiency;*
- *health, labor, safety, and environmental protection.*

At the same time, with the adoption of the environmental and climate agenda in Kazakhstan, the state tightened environmental requirements (deficit quotas for GHG emissions and the transition of BAT) and set a course for the widespread development of sustainable energy systems (RES, storage systems, electric mobility, charging stations, hydrogen energy), which begins seriously change the business environment, increasing non-production costs, especially in the electricity and capacity market.

Participants in the panel session discussed global trends and the digital future of the electric power industry, external framework conditions at the level of regulation and government support for the digital transformation of the electric power industry, internal perspectives at the market level and corporate development, digital solutions for current activities and new businesses.

Chairman of the Board of JSC “Kazakhstan Electric Energy and Capacity Market Operator” Kairat Rakhimov noted during the session: “Digitalization of the energy sector is critical to achieving zero emissions by 2060 and supporting an intelligent and flexible energy system.”

Key participants:

- **Kairat Rakhimov**, Chairman of the Board of JSC KOREM
- **Yerzhan Dzhanzakov**, Managing Partner at Zeinet & SSE, President of FACEPLATE
- **Elvira Konakhbayeva**, Managing Director of KEGOC JSC
- **Dias Asanov**, General Director of Siemens Kazakhstan
- **Alexey Anisimov**, Director of the Digitalization Department of the Ministry of Energy of the Republic of Kazakhstan
- **Marat Kalmenov**, Head of the Business Development Service of KBTU



ROUND TABLE “HYDROGEN: OIL OF THE 21ST CENTURY?”

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 Tokayev K.K. In Kazakhstan today, possibilities for the production and use of hydrogen are being studied - both “green” or climate-neutral, obtained by electrolysis of water, and “blue”, produced from natural gas and considered not entirely environmentally friendly due to the release of carbon dioxide into the atmosphere. For this purpose, the country has scientific potential and qualified specialists and attracts investments.

According to the round table participants, the planned construction of a center for the production and distribution of “green” hydrogen in the Mangystau region of Kazakhstan 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 session speakers are confident that 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.



Key participants:

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



SECOND DAY (04.10.2023)

MAIN EVENTS ON THE AGENDA:

- ◆ Plenary session, “The Energy of Opportunities: From Uncertainty to Sustainability”;
- ◆ SCO Energy Forum (organized by the Ministry of Energy of the Republic of Kazakhstan);
- ◆ Thematic session of the FII Working Group under the President of the Republic of Kazakhstan “Implementation of the Strategy for Achieving Carbon Neutrality by 2060” organized by the Association “Kazakhstan Council of Foreign Investors”.
- ◆ Round table “Transportation of hydrocarbons in a changing world” (organizer - KAZENERGY);
- ◆ Energy dialogue “Decarbonization vs hydrocarbons” (organizer – KAZENERGY);



Plenary session, “The Energy of Opportunities: From Uncertainty to Sustainability”

- ◆ Round table, “Alternative energy worlds: how to develop green GDP?” (organizer – KAZENERGY);
- ◆ Panel session “Gas industry – the driver of decarbonization, energy security, and economic growth” (organizers: KAZENERGY, QAZAQGAZ);
- ◆ Round table “The role of analytics in decision-making in the energy industry” (organizer – KAZENERGY).

The key events on October 4 were the Plenary session on the topic: “Energy of Opportunity: From Uncertainty to Sustainability” and the First SCO Energy Forum, which was organized by the Ministry of Energy of the Republic of Kazakhstan. The agenda of key events reflected the role of new energy in shaping a low-carbon, sustainable, and secure energy future.

For the first time at the Forum, a thematic session of the Council of Foreign Investors under the President of the Republic of Kazakhstan was held, dedicated to the implementation of the Strategy to achieve carbon neutrality in the country until 2060. As a result of the session, an agreement was reached on the regular participation of the FIC under the President of the Republic of Kazakhstan in the work of the KAZENERGY Eurasian Forum in the future.

Also on this day, Prime Minister of the Republic of Kazakhstan Smailov A.A. held a meeting with the Senior Vice President for Conventional and Heavy Oil Resources at ExxonMobil Upstream, Mr. John Whelan (speaker of the KEW-2023 plenary session). The parties discussed the implementation of projects for future expansion and wellhead pressure management at the Tengiz field, plans for the further development of the Kashagan field, issues of supplying liquefied petroleum gas to the domestic market, and the construction of a gas separation complex.



PLENARY SESSION “THE ENERGY OF OPPORTUNITY: FROM UNCERTAINTY TO SUSTAINABILITY”

Key participants:

- **Kanat Bozumbayev**, Advisor to the President of the Republic of Kazakhstan
- **Timur Kulibayev**, Chairman 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 Arab Renewable Energy Commission (AREC)
- **Sohail Khan**, Deputy Secretary General of the SCO
- **Angela Wilkinson**, General Secretary of the WEC (video message)
- **Nurlan Zhakupov**, Chairman of the Board of JSC “National Welfare Fund “Samruk-Kazyna”
- **Magzum Mirzagaliyev**, Chairman of the Board of JSC NC KazMunayGas
- **Dai Houliang**, Chairman 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
- **Sanzhar Zharkeshov**, Chairman of the Board of NC QazaqGaz JSC

Moderator: Ryan Chilcote, Bloomberg journalist, CNN

Opening the plenary session of the Forum, Minister of Energy of the Republic of Kazakhstan Satkaliyev A.M. welcomed the participants and guests of the event on behalf of the Government of the Republic of Kazakhstan, emphasizing that the Forum is “the largest event in the energy sector in the region, a platform for discussions on the main issues of energy security, decarbonization, carbon neutrality, as well as the well-being of citizens and sustainable development.” During his speech, he read out an address from the President of the Republic of Kazakhstan K.K. Tokayev to the participants of KEW-2023, in which the Head of State noted the special role of the fuel and energy complex in the progressive progress of our country, outlined the current climate and geopolitical challenges of the global industry, and also drew attention to pressing issues of the national industry such as the diversification of export routes, the creation high value-added clusters, implementation of the Strategy to achieve





carbon neutrality by 2060, etc. Welcoming remarks during the plenary session were also made by the Director General of the International Renewable Energy Agency (IRENA) Francesco La Camera, the Secretary General of the Arab Renewable Energy Commission (AREC) Mohammed Al Taani, the Deputy Secretary General of the SCO Sohail Khan, as well as the General WEC Secretary Angela Wilkinson in a video message.



IRENA Director-General Francesco La Camera said that the world needs to triple its renewable energy capacity by 2030 to limit global warming to 1.5 °C. He cited IRENA data that, thanks to new capacity commissioned since 2000; the electricity sector's fuel costs in 2022 were reduced by at least \$520 billion.

“Today, thanks to the development of technology, all RES sources are competitive compared to traditional ones. We are talking about wind and solar energy. And the price reduction is happening everywhere throughout the world”, La Camera said.

According to him, the world will need to commission an average of 1,000 GW of new electricity capacity based on renewable energy sources annually, which is more than three times the level of 2022.

He believes that three conditions are necessary to accelerate the energy transition. The first is the modernization of the energy infrastructure, which could accept renewable energy sources. Second, the regulatory framework should promote this area. Third, we need personnel who need to be trained, since renewable energy sources will provide millions of new jobs.

He noted that Kazakhstan's path in the energy transition is important for both the local and global communities. “Using the example of the Republic of Kazakhstan, it is important to show how oil countries are going through this energy transition,” said the Director General of IRENA.

WES Secretary General Angela Wilkinson, who spoke in a video message, also stated, “The energy transition to renewable energy sources, unfortunately, is proceeding very slowly.”

SCO Deputy Secretary-General Sohail Khan in his address introduced the participants to the main priorities of the SCO in this area: promoting “green” energy and intensifying mutually beneficial interaction in the field of renewable and alternative energy. He



noted the importance of coordinating approaches to developing energy cooperation in the SCO region, aimed at ensuring international, interregional, and national energy security, promoting modernization and innovative renewal of sectors of the fuel and energy complex.

The Secretary-General of the Arab Renewable Energy Commission, Mohammed Al Taani, emphasized “By 2030, the production of renewable energy in the world needs to be tripled, and Arab countries are ready to invest more than a trillion dollars in the green economy.”

The head of Samruk-Kazyna JSC Nurlan Zhakupov emphasized that the National Welfare Fund, within the framework of its national companies, discusses various aspects of energy security, and contributes to increasing the country’s generating capacity to 9 GW in cooperation with recognized industry leaders. In addition, N. Zhakupov noted that “on the one hand, Samruk-Kazyna JSC is pursuing the goal of achieving carbon neutrality, on the other hand, creating a favorable investment climate so that investors come to Kazakhstan and participate in the country’s oil and gas projects.”

“If we are talking about the energy transition, it does not mean that we need to completely forget about oil and gas and immediately switch to green energy because that would be utopian,” noted the head of JSC NC KazMunayGas Magzum Mirzagaliyev. He stressed that in any case, the energy transition does not mean that oil and gas will be forgotten.

“Oil and gas continue to be drivers for, for example, the production of fertilizers, which are required in significant quantities to continue to provide food for a growing world population. Therefore, if we speak today in the context of KMG, we understand that we must work in two directions: both in the traditional oil and gas sector and we must continue geological exploration,” emphasized Magzum Mirzagaliyev.





Chairperson of the Board of JSC NC QazaqGaz Sanzhar Zharkeshov noted in his speech that Kazakhstan has all the prerequisites to become a regional leader in the gas industry. These include resources and reserves, geographic location, ongoing pricing reforms, and years of experience in complex oil and gas projects.

In his speech, he noted that The projected gas reserves are 62 trillion cubic meters, while the approved and extracted volumes are 4 trillion cubic meters. This puts us in fifteenth place, but we have barely scratched the surface. If we manage to convert 62 trillion cubic meters into proven exploration, we can enter the top 10 countries. In addition, the head of the national gas company noted the important role of gas in the energy transition and global energy security.



SCO ENERGY FORUM

Speaking at the forum, the Minister of Energy of the Republic of Kazakhstan recalled that on the initiative of the President of the Republic of Kazakhstan Tokayev K.K. The “Strategy for the Development of Energy Cooperation of the Member States of the Shanghai Cooperation Organization until 2030” was developed. The document plans to expand the SCO agenda to the most promising areas for interaction in the energy sector in the medium term, which will consider modern realities.

In addition, the heads of energy departments discussed strategic approaches to the development of energy cooperation, promoting the development of new approaches and developing specific solutions aimed at ensuring the sustainability



and development of the energy sector of the SCO member states, observer states, and dialogue partner countries.

Several topical issues aimed at deepening energy cooperation were discussed - the oil and gas industry, electric power, alternative energy sources, nuclear energy, the coal industry, as well as energy saving and increasing energy efficiency.

Participants of the meeting:

- **Almassadam Satkaliyev**, Minister of Energy of the Republic of Kazakhstan
- **Sohail Khan**, Deputy Secretary General of the SCO
- **Nikolay Shulginov**, Minister of Energy of Russia
- **U Ko Ko Lwin**, Minister of Energy of Myanmar
- **Azim Akhmedkhadjaev**, First Deputy Minister of Energy of Uzbekistan
- **Parviz Shahbazov**, Minister of Energy of Azerbaijan (video message)
- **Khan Salman Qayum**, Deputy Minister of Energy of Pakistan
- **Olga Prudnikova**, Deputy Minister of Energy of Belarus
- **Sorboni Kholmukhamadzoda**, Deputy Minister of Energy and Water Resources of Tajikistan





THEMATIC SESSION OF THE FII WORKING GROUP UNDER THE PRESIDENT OF THE REPUBLIC OF KAZAKHSTAN “IMPLEMENTATION OF THE STRATEGY FOR ACHIEVING CARBON NEUTRALITY UNTIL 2060”

During the session, issues related to the implementation of the Strategy for Achieving Carbon Neutrality until 2060 were discussed. Participants of the event noted that the implementation of the Strategy is planned to be carried out in three main areas: decarbonization of emissions from the production and use of energy, decarbonization of emissions not related to the use of energy, and other comprehensive measures.



At the same time, the need to develop a unique energy transition model for Kazakhstan, taking into account country specifics, was emphasized. The MNE, together with the Institute of Economic Research, initiated the development of a Roadmap for the implementation of the Strategy for Achieving Carbon Neutrality.

Participants in the panel session noted the importance of the measures taken by Kazakhstan as part of the transition to low-carbon development.

Representatives of the Council of Foreign Investors emphasized that the Council supports the country's desire for decarbonization and believes that it can play an important role in Kazakhstan's energy transition and the implementation of the Strategy to achieve carbon neutrality of February 2, 2023.

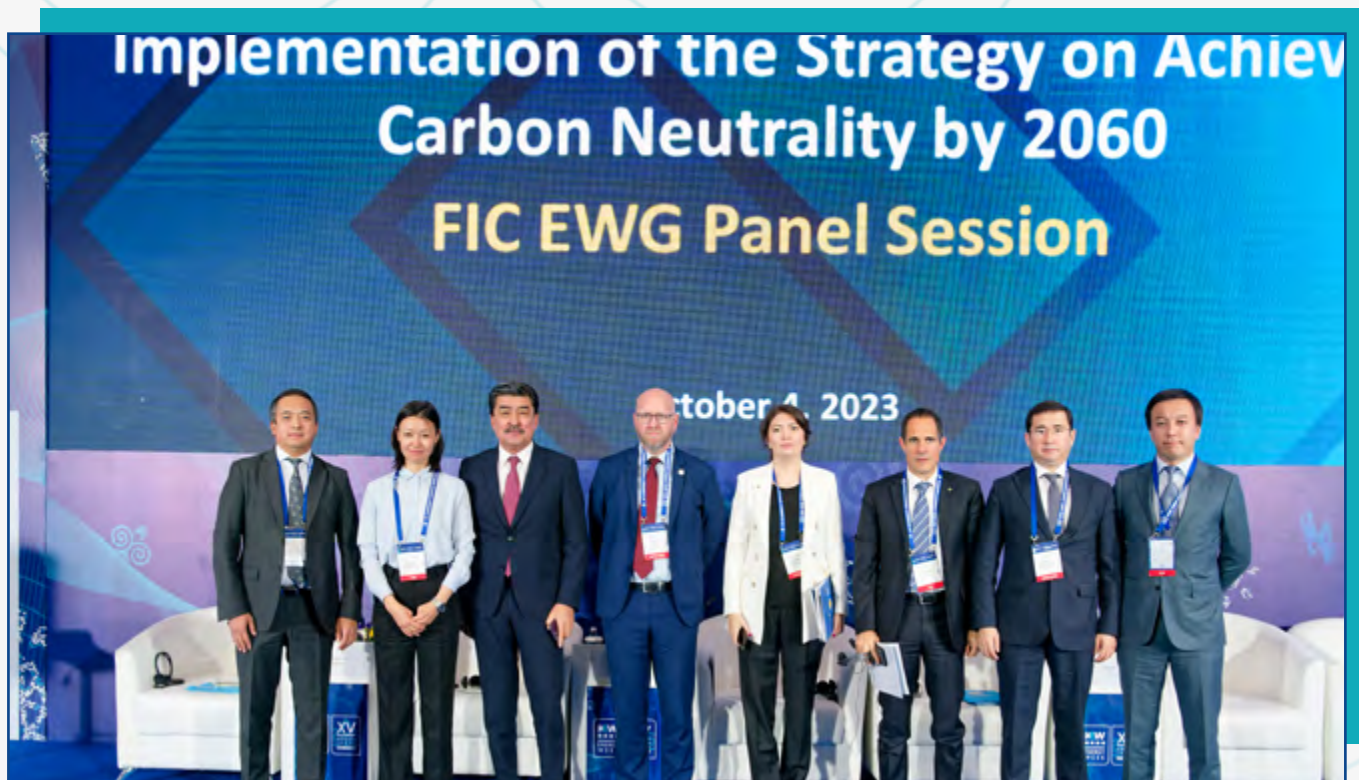
The session reviewed the immediate, midterm, and long-term measures of the Government of the Republic of Kazakhstan to implement positive initiatives for the low-carbon development of Kazakhstan.

Key participants:

- **Yerlan Nysanbayev**, Minister of Ecology and Natural Resources of the Republic of Kazakhstan
- **Zulfiya Suleimenova**, Advisor to the President of the Republic of Kazakhstan
- **Zhandos Nurmaganbetov**, Vice Minister of Energy of the Republic of Kazakhstan
- **Abzal Abdikarimov**, Vice Minister of National Economy of the Republic of Kazakhstan



- Giancarlo Ruiu, Managing Director of KRO
- Frode Ljones, Head of TotalEnergies in Kazakhstan
- Zhanna Baidasheva, Director of the Association “Kazakhstan Council of Foreign Investors”
- Yerlan Ramazanov, Deputy Director of the EBRD, Regional Head for Energy, Eurasia, Middle East and Africa



ROUND TABLE “TRANSPORTATION OF HYDROCARBONS IN A CHANGING WORLD”

The round table was dedicated to discussing issues related to the transportation of hydrocarbon resources in the changing world energy market.

Roundtable participants discussed Kazakhstan’s role as an important player in the global energy



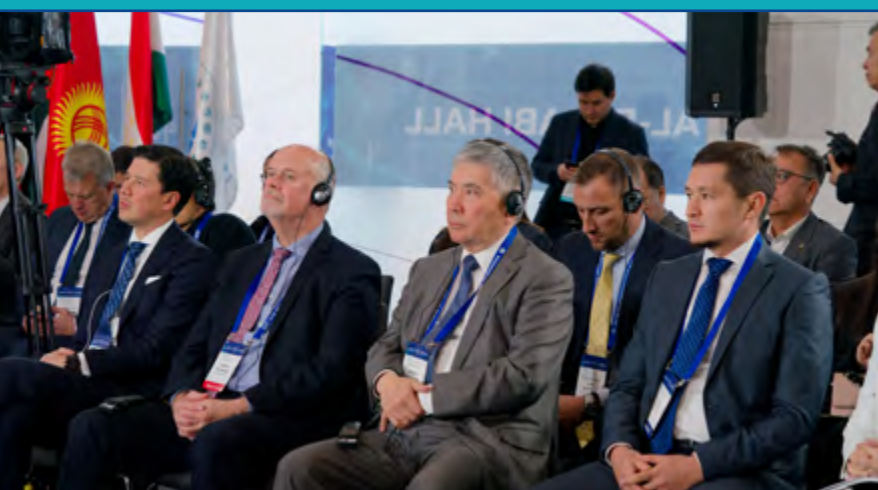


market, transport routes, and export opportunities, as well as Kazakhstan's plans and strategies in the context of a changing global market.

The discussion was also devoted to 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 effective transportation of hydrocarbons.

Roundtable participants discussed environmental aspects of transportation, various transportation methods and technologies, challenges related to infrastructure, safety, efficiency, and sustainability of transportation, as well as possible innovative solutions.

Deputy Chairman of the Board of JSC NC KazMunayGas Bulat Zakirov noted in his opening remarks that “the stability of export systems is important both for the economy of Kazakhstan and for the entire oil market. KazMunayGas pays special attention to ensuring reliable and cost-effective transportation of oil both to the domestic market and for export.”



Deputy General Director of CPC-K JSC Kaigeldy Kabyldin informed the roundtable participants about the consistent and systematic work of the international consortium team to develop and improve the reliability of the Tengiz-Novorossiysk oil transport route. According to him, “In 2023, CPC for the first time achieved a mechanical pumping capacity of up to 83 million tons of oil per year.”



Key participants:

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

ENERGY DIALOGUE “DECARBONIZATION VS HYDROCARBONS”

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.

Session participants noted that the opposition to “decarbonization versus hydrocarbons” does not necessarily mean the exclusion of hydrocarbons from the energy balance. According to speakers, 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 session also addressed the question of how oil and gas companies manage the development of their hydrocarbon projects in the era of decarbonization.

Key participants:

- **Uzakbay Karabalin**, Deputy Chairman of the KAZENERGY Association
- **Akbar Tulegenov**, Deputy Chairman of the Board of QazaqGaz JSC
- **Marina Vespan**, Managing Director of SLB Kazakhstan and Uzbekistan
- **Konilkosh Suesinov**, Deputy General Director of Tengizchevroil LLP
- **Aliya Shalabekova**, Director of the Department of JSC NC KazMunayGas
- **Farkhat Abytov**, Executive Director of the KAZENERGY Association



ROUND TABLE “ALTERNATIVE ENERGY WORLDS: HOW TO DEVELOP GREEN GDP?”

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 the Director General of IRENA, at the end of 2022, the global generating capacity of renewable energy installations amounted to 3372 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.

The round table participants noted that in Kazakhstan the current system of state support for the development of renewable energy sources, developed considering the best global practices and with the support of the KAZENERGY Association, has been enshrined in legislation since 2009. Close interaction between KAZENERGY and 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 country 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 12 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.

In addition, 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. During the round table, participants emphasized that clean renewable energy will remain an economic priority in Kazakhstan and the world.

Key participants:

- **Zhandos Nurmaganbetov**, Vice Minister of Energy of the Republic of Kazakhstan
- **Francesco La Camera**, Director General of IRENA
- **Mohammed Al Taani**, Secretary General of the Arab Renewable Energy Commission (AREC)
- **Nurlan Kapenov**, Chairman of the Board of Directors of the Renewable Energy Association “Qazaq Green”
- **Ramazan Zhampiisov**, Advisor to the Chairman of the ECOJER Association



PANEL SESSION “THE GAS INDUSTRY IS A DRIVER OF DECARBONIZATION, ENERGY SECURITY, AND ECONOMIC GROWTH”

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.

First Deputy Chairman of the Board of QazaqGaz JSC Meirbek Ikhsanov emphasized, “The gas industry plays an important role in energy security, ensuring the well-being of citizens and the development of the country’s economy.”

Key participants:

- **Matthew Sagers**, Vice President, S&P Global
- **Meirbek Ikhsanov**, First Deputy Chairman of the Board of QazaqGaz JSC
- **Mustafid Gunawan**, Director, Oil and Gas Development Program, Ministry of Energy, Indonesia
- **Arfan Khan**, Chief Executive Officer, Nostrum Oil&Gas
- **Bakhytzhhan Yeszhanov**, Head of the Gas Production Department of NC KazMunayGas JSC

ROUND TABLE “THE ROLE OF ANALYTICS IN DECISION MAKING IN THE ENERGY INDUSTRY”

For the first time, issues related to the role of analytics in decision-making in the industry were discussed within the framework of Kazakhstan Energy Week / KAZENERGY Eurasian Forums. The round table participants discussed the value of “open data”, what stage of development Kazakhstan is at in terms of the development of industry analytics, and methods for assessing the investment attractiveness of the oil and gas industry in Kazakhstan.



When discussing the need to attract local partners for foreign analytical giants, the National Energy Report 2023, incl. the role of S&P Global in its formation, as well as the history of the creation of the Kazakh grade of oil KEBCO and the role of Argus Media in this.

Key participants:

- **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
- **Gulmira Karaulova**, Director of the Department of Statistics of Services and Energy, Bureau of National Statistics, Agency for Strategic Development and Reforms of the Republic of Kazakhstan
- **Alikhan Baidusenov**, Executive Director, Head of the KAZENERGY Analytical Center

THIRD DAY (05.10.2023)

MAIN EVENTS ON THE AGENDA:

- ◆ Diplomatic breakfast of the Society of Honorary Consuls;
- ◆ Presentation of the National Energy Report 2023 (organizer – KAZENERGY);
- ◆ Strategic session “Kazakhstan – a regional investment hub” (organizers: Ministry of Foreign Affairs of the Republic of Kazakhstan, JSC NC Kazakh Invest);





- ◆ Panel session “Global Energy Security” (organizer – KAZENERGY);
- ◆ Round table “Energy and life: energy efficiency and energy saving” (organizers – German agency DENA, KAZENERGY);
- ◆ ADB thematic session “Energy Transition Mechanism”
- ◆ Round table “Investments in regional energy” (organizer – KAZENERGY);
- ◆ Seminar of the Japanese ROTOBO Association on carbon neutrality and green transformation.



PRESENTATION OF THE NATIONAL ENERGY REPORT 2023

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 NEDs: 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 NED was S&P Global.

The NED 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.



General Director of the KAZENERGY Association Kenzhebek Ibrashev noted, “In this, the sixth National Energy Report, we are for the first time trying to present the concept of the country’s energy security. It also examines the issues of the energy transition how it will affect the development strategy of Kazakhstan, and what measures need to be taken to balance economic growth with the global climate agenda in mind. I am confident that the conclusions drawn in the report will be useful for the development of the industry.”

“The issue of energy security is perhaps the most important in the 2023 report since it is most relevant for Kazakhstan. The energy transition requires “grounding”, and pragmatism, including the establishment of adequate reasonable prices for energy resources, and this implies public support and the elimination of economic inequality. Through this prism, the Kazakh economy is developing, which relies on hydrocarbons and thus depends on the global oil and gas market,” said S&P Global Vice Chairman and Pulitzer Prize winner Daniel Yergin in his video message.

“The energy sector and the oil and gas industry, including, will most likely remain a key driver of economic growth in Kazakhstan until 2050. Revenue from the export of hydrocarbons and other energy resources will contribute to diversification initiatives and support the country during the transition to a low-carbon economy in the future,” the expert noted.

S&P Global Vice President Matthew Sager named two tools that will accelerate the energy transition in Kazakhstan - improving the emissions trading system and introducing the best available technologies. At the same time, he believes that even when Kazakhstan reaches a large share of renewable energy sources by 2050, oil will still play an important role in its economy.

In turn, SEEPX Director Katya de Vere Walker spoke about the state and prospects



for the development of the country's coal industry and electric power industry.

Key participants:

- Daniel Yergin, Vice Chairman of S&P Global (video message)
- Kenzhebek Ibrashev, General Director of the KAZENERGY Association
- Matthew Sagers, Vice President, S&P Global
- Konilkosh Suesinov, Deputy General Director of Tengizchevroil LLP
- Katja de Vere Walker, Director SEEPX
- Darkhan Akhmetov, Director of the Department of Market Analysis and Legislative Initiatives of KEGOC JSC





STRATEGIC SESSION “KAZAKHSTAN – A REGIONAL INVESTMENT HUB”

The session participants conducted a strategic analysis of the strengths and weaknesses of the country’s investment policy and tried to answer the question of whether Kazakhstan is a regional investment hub.

The speakers noted that 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 subsoil users, providing for flexible preferences.

During the discussions, the speakers concluded that the Government of the country should respond more flexibly and quickly to the requests and problems of investors - in the struggle for global investment, the speed of making investment decisions is of strategic importance.

Key participants:

- **Temirlan Mukhanbetzhanov**, acting Chairman of the Board of JSC «AIFC Administration»
- **Marat Yelibayev**, Deputy Chairman of the Board of the Development Bank of Kazakhstan
- **Azamat Kozhanov**, Managing Director of NC Kazakh Invest JSC
- **Amir Tusupov**, Director for Investment and Development of Samruk-Kazyna JSC
- **Alikhan Baidusenov**, Executive Director, Head of the KAZENERGY Analytical Center

PANEL SESSION “GLOBAL ENERGY SECURITY”

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

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

Session participants discussed 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, including the development and implementation of new technologies to protect energy infrastructure, improve energy efficiency, and develop clean energy sources.

Advisor to the President of the Republic of Kazakhstan Bolat Akchulakov and Vice Minister of Energy of the Republic of Kazakhstan Alibek Zhamauov in their speeches noted the work of the KAZENERGY Association in developing the concept of the Energy Security Strategy of the Republic of Kazakhstan, emphasizing the timeliness and importance of this work.

Key participants:

- **Bolat Akchulakov**, Advisor to the President of the Republic of Kazakhstan
- **Kairat Sarybay**, CICA Secretary General
- **Alibek Zhamauov**, Vice Minister of Energy of the Republic of Kazakhstan
- **Nurlan Sakuov**, Deputy Director of KazISS
- **Chokan Laumulin**, Professor KBTU, Vice-Chairman of the Bureau of the UNECE Committee on Sustainable Energy

ROUND TABLE “ENERGY AND LIFE: ENERGY EFFICIENCY AND ENERGY SAVING”

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.



Key participants:

- **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 Development of Electric Power Industry and Energy Saving
- **Aliya Shalabekova**, Director of the Department of JSC NC KazMunayGas
- **Michael Müller**, Head of Energy Efficiency at DENA
- **Maurits Becker**, Green Navigation Representative (online)
- **Ole Langenbach**, Representative Wasserverbund Niederrhein GmbH (online)
- **Damir Narynbayev**, Executive Director of the KAZENERGY Association

THEMATIC SESSION OF THE ASIAN DEVELOPMENT BANK “MECHANISM FOR ENERGY TRANSITION”

The session discussed 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..

Key participants:

- **Zhaslan Kasenov**, Director of the Renewable Energy Department 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 Ministry of Energy and Mineral Resources of Indonesia
- **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 of the Ministry of Maritime and Investment Affairs of Indonesia
- **Bekzhan Mukatov**, National Energy Consultant, ADB
- **Dina Azhgaliyeva**, Researcher, ADB Institute
- **Akbar Riznaldi**, Researcher ADB Institute
- **Marat Kalmenov**, Head of the Business Development Service of KBTU



ROUND TABLE «INVESTMENTS IN REGIONAL ENERGY»

The format of this session was used for the first time within the framework of KAZAKHSTAN ENERGY WEEK-2023 among the countries of Central Asia and the Caspian region and allowed almost every region of Kazakhstan 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, and also revealed problematic issues in the field of the state mechanism for attracting investments and implementing investment projects of strategic infrastructure.



Each region was 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 were considered.

Key participants:

- **Aidos Daribayev**, Director of the Electric Power Industry Development

- Department of the Ministry of Energy of the Republic of Kazakhstan
- **Dyusenbay Turganov**, Deputy of the Mazhilis of the Parliament of the Republic of Kazakhstan
- **Zhumabay Karagayev**, First Deputy Akim of Mangistau region
- **Kairat Nurtayev**, Deputy Akim of Atyrau region
- **Bakytzhan Bayakhmetov**, Deputy Akim of East Kazakhstan region
- **Tlepbergen Kayupov**, Deputy Akim of West Kazakhstan region
- **Aydin Beksoltan**, Technical Director of Kazakhstan Utility Systems LLP
- **Ansar Aidarov**, Chief Investment Officer of Samruk-Energy JSC
- **Zhakyp Khairushev**, Director of the Department of Energy and Housing and Public Utilities, NPP «Atameken»
-



SEMINAR OF THE JAPANESE ROTOBO ASSOCIATION ON CARBON NEUTRALITY AND GREEN TRANSFORMATION

The KAZENERGY Association traditionally attracts international partners and major global industry associations to its industry events. This year, the Japanese ROTOBO Association was no exception. The seminar presented Japan's experience in carbon neutrality and green transformation.

Key participants:

- **Arman Kashkinbekov**, Chairman of the Board of JSC National Center for State Scientific and Technical Expertise
- **Masashi Watanabe**, Director, Office for Russia, Central Asia and the Caucasus, Bureau of Trade Policy, 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
- **Ramazan Zhampiisov**, Advisor to the Chairman of the ECOJER Association
- **Miki Wajima**, Vice-General Director of Research Institute ROTOBO

FOURTH DAY (06.10.2023)

MAIN EVENTS ON THE AGENDA:

- ◆ Start-up competition “KAZENERGY Start-Up Battle” (organizer – KAZENERGY);
- ◆ GR forum “Government and business: partnership for effective interaction” (organizer – GR Hub);
- ◆ Round table, “Artificial Intelligence in Energy” (organizer – KAZENERGY).





START-UP COMPETITION “KAZENERGY START-UP BATTLE”

The competition was held on the initiative of the KAZENERGY Association for the first time, 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).

The competition was held in three categories: “Best Startup in the energy sector”, “Best Startup in the Oil and gas industry” and “Best Startup in the Field of energy efficiency”.

54 applications were submitted to participate in the competition, of which the Organizing Committee selected 25 applications that met the selection criteria. In the final, 9 works of finalists were presented - three in each category.

Based on the results of the competition, the winners were:

In the category “Best Innovative Startup in the Energy Industry” - the “Smart Tree” project, author of the project Nuredinov Yerzhan.

In the category “Best Startup in the Oil and Gas Industry” - the project “Data Diode for Cybersecurity in the Energy Industry”, author of the project Zhanibek Yeskendir. In the category “Best Startup in the Field of Energy Efficiency” - the project



“System for forecasting electricity generation from renewable energy stations Intech-Forecast”, author of the project Kasymkhanov Shyndaulet.

Jury composition:

- **Uzakbay Karabalin**, Deputy Chairman of the KAZENERGY Association
- **Marina Vespan**, Managing Director of SLB Kazakhstan and Uzbekistan
- **Tanat Uskembayev**, Managing Director of Astana Hub
- **Marat Kuatov**, Digital Champion TCO
- **Elena Arkhangel'skaya**, Head of Department of the Ministry of Energy of the Republic of Kazakhstan

Welcome words:

- **Kenzhebek Ibrashev**, General Director of the KAZENERGY Association
- **Marina Vespan**, Managing Director of SLB Kazakhstan and Uzbekistan
- **Tanat Uskembayev**, Managing Director of Astana Hub

Moderator: **Lyazzat Akhmurzina**, Executive Director of the KAZENERGY Association

GR FORUM “GOVERNMENT AND BUSINESS: PARTNERSHIP FOR EFFECTIVE INTERACTION”

GR Forum was organized 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 was held in the Open Microphone format.

The purpose of the meeting was 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.

Key participants:

- **Aizhan Khamitova**, Head of GR Hub, Director of Business Development of the ESGQ rating agency
- **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 State
- **Telman Shuriyev**, CEO of Green Mind



ROUND TABLE “ARTIFICIAL INTELLIGENCE IN ENERGY”

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.



According to roundtable participants, AI has the potential to revolutionize 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.



Key participants:

- **Adilkhan Kopabayev**, Chairman of the Board of the Situational Analytical Center of the 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 Kumatov**, Digital Champion TCO
- **Yerzhan Dzhanzakov**, Managing Partner at Zeinet & SSE, President of FACEPLATE

INTERACTION WITH THE MEDIA

Domestic and foreign media participated in the coverage of the Forum; 220 journalists from 35 media outlets received accreditation. As a result, 112 materials were published, incl. articles and video stories.

On October 4, 2023, following the results of the plenary meeting of the Forum, a press conference “Kazakhstan Energy Week: A Time of Decisions and Achievements” was held in the press center of the EXPO Congress Center.

The press conference was attended by:

- **Francesco La Camera**, Director General of IRENA (International Renewable Energy Agency);



- **Sohail Khan**, Deputy Secretary General of the SCO;
- **Dzhambulat Sarsenov**, Vice President of WPC Energy (World Petroleum Council);
- **Mohammed Al Taani**, Secretary General of AREC (Arab Renewable Energy Commission).

During the press conference, representatives of Kazakh and foreign media accredited at the forum took the opportunity and ask the speakers a few questions. A journalist from The Astana Times asked Mr. La Camera's opinion about the prospects for cooperation between the International Renewable Energy Agency (IRENA) he heads and the Republic of Kazakhstan, including considering the achievement of our country's obligations to reduce greenhouse gas emissions.

Journalist LS Akparat asked the Vice-President of the World Petroleum Council, Dzhambulat Sarsenov, about the results of the World Petroleum Congress that took place a month ago in Canada (Calgary), and how the Council experts perceived the initiatives put forward by the Kazakh side regarding





the creation of a global hub of polytechnic universities in oil and gas specialties. Secretary General of the Arab Renewable Energy Commission Al Taani, in response to a question from a journalist from the Newsroom portal, spoke in detail about the work being carried out in Arab states to introduce renewable energy sources, and financial and technological investments in this relevant and in-demand area. Deputy Secretary General of the SCO Sohail Khan took with interest and answered in detail the question of how the Organization received the proposal put forward last summer at the online summit of the leaders of the SCO member states by the President of the Republic of Kazakhstan K. Tokayev. Initiative to agree on a joint SCO energy strategy.

According to Mr. Khan, Kazakhstan already in August 2023 submitted a draft energy strategy to the SCO experts for consideration, which received a highly positive assessment, and in the coming 2024, it is planned to make the necessary changes and additions to the draft document, after which it will be presented to the countries for consideration. To the participants.



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