

Contribution of JSC NC “KazMunayGas” to achieving the UN Sustainable Development Goals

Contribution to the UN sustainable development goals



JSC NC KazMunayGas (KMG) strives to contribute to sustainable development by integrating the core principles of the United Nations, global trends, Kazakhstan’s development priorities, and universal values into its business strategy

The company adheres to all 17 UN Sustainable Development Goals (SGDs) and actively supports their implementation

Priority SDGs

Taking into account strategic priorities and key objectives, KMG focuses on contributing to the achievement of:

- 10 priority SDGs and
- 23 relevant targets





Good health and well-being

KMG's Key Initiatives

- “Trip Management” Project – implementation of a transport management system with a focus on traffic safety
- Employee Wellness Program (2024–2028) – health monitoring for employees with chronic conditions, preventive measures, innovative pre-shift health screenings, improved accessibility and quality of medical care
- Medical Insurance – regular medical checkups and employee vaccinations
- Implementation of a set of measures to control and reduce occupational health risks and prevent the negative impact of pollutants

SDG Targets

3.6. Reduce the number of deaths and injuries from road traffic accidents

3.8. Achieve universal health coverage, including access to quality essential health-care services and access to safe, effective, quality, and affordable essential medicines and vaccines

3.9. Substantially reduce the number of deaths and illnesses from hazardous chemicals and air, water, and soil pollution and contamination

KMG Results

- ✓ The “Trip Management” Project has been put into industrial operation. As part of the project, 120 employees of three oil service subsidiaries of the KMG Group of Companies - Oil Services Company LLP, Oil Construction Company LLP, and Oil Transport Corporation LLP - were trained in the Trip Management system
- ✓ 1 335 KMG subsidiary employees and 3 027 contractor employees completed the “Defensive Driving” training course
- ✓ 10 735 employees of KMG subsidiaries and 1 521 employees of contracting organizations participated in a practical demonstration of the use of seat belts
- ✓ In order to reduce the risk of fatal accidents at production facilities, 72,965 employees were trained in “First Aid and Defibrillator Use” in the first 10 months of 2025
- ✓ 100% of KMG employees were covered by a medical insurance program
- ✓ Annual production control is carried out by purchasing services at subsidiaries (drinking water, working area air, microclimate, etc.)



Gender quality

KMG's Key Initiatives

- Implementation of the Women's Empowerment Principles (WEPs), including a gender gap self-assessment and public disclosure of gender composition data
- Strict adherence to the labor legislation of Kazakhstan to prevent any form of discrimination
- JanAru Educational Program
- Increase the share of women in top management positions across KMG Group to 30% by 2030

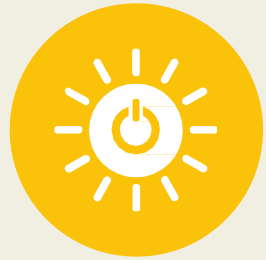
SDG Targets

5.1. Eliminate all forms of discrimination against all women and girls everywhere

5.5. Ensure women's full and effective participation and equal opportunities for leadership at all levels of decision-making in political, economic, and public life

KMG Results

- ✓ KMG has completed a WEPs self-assessment
- ✓ KMG's personnel policy is based on the principles of gender equality, diversity, inclusiveness, and non-discrimination in the field of labor rights. This includes equal conditions and opportunities for different social and age groups, regardless of gender, race, nationality, religion, age, and other characteristics, as well as the formation of teams that reflect diverse perspectives. One of the principles of the process of attracting and selecting candidates for vacant positions is the absence of discrimination and an open and respectful attitude towards all candidates
- ✓ In order to promote the professional and personal development of women, support gender policy, and as part of the Year of Working Professions, the JanAru educational program was held for women working in the oil and gas industry
- ✓ Women's representation on the KMG Board of Directors and Supervisory Boards reached 13,1% in 2025



Affordable and clean energy

KMG's Key Initiatives

- Enhancing energy efficiency through equipment modernization and the implementation of automated metering systems
- Development of renewable energy sources: 1 GW wind power project with Total Eren and a 247 MW hybrid power plant with Eni
- Purchasing green electricity (target: 15% of total consumption by 2031)
- Development of sustainable aviation fuel (SAF) based on ethanol

SDG Targets

7.1. Ensure access to affordable, reliable, and modern energy services for all

7.b. Expand infrastructure and upgrade technology for supplying modern and sustainable energy services

KMG Results

- ✓ In 2025, it is planned to implement 95 measures, which will save 47.6 thousand tons of fuel and energy resources, which is equivalent to reducing GHG emissions by 92.4 thousand tons of CO₂
- ✓ In the first 9 months of 2025, 46 events were completed (39,010.7 tons of CO₂)
- ✓ In September 2025, as part of the implementation of the Hybrid Project in the Mangystau region, the construction of a 50 MW solar power plant was completed and put into operation
- ✓ The Mirny project in the Zhambyl region is currently undergoing detailed design (FEED)
- ✓ 10,000 I-REC green certificates purchased in 2025
- ✓ In September 2025, a Framework Agreement was signed with Lanzajet to proceed to the detailed design phase (FEED), during which all technical and economic solutions for the construction of the plant will be developed



Decent work and economic growth

KMG's Key Initiatives

- Youth engagement programs, graduate training and employment, preparation of specialized professionals, and internship opportunities
- Social support for employees through collective agreements (50+ types of benefits)
- Leadership and Employee Commitment Code – promoting adherence to industrial safety requirements
- “Qorgau” Safety Card – identification and prevention of unsafe working conditions

SDG Targets

- 8.5. Achieve full and productive employment and decent work for all women and men, including for young people and persons with disabilities, and equal pay for work of equal value
- 8.6. Substantially reduce the proportion of youth not in employment, education, or training
- 8.8. Protect labor rights and promote safe and secure working environments for all workers

KMG Results

- ✓ KMG provides employment for about 50,000 people, including 81% of men and 19% of women.
- ✓ Programs for the development of young professionals are being implemented:
 - "Zhas Maman" - a program for young specialists at Atyrau Refinery
 - Dual Training is a program that includes training, internships, and subsequent employment within KMG group
 - "Trainee" - training in key professions at the Atyrau Refinery
 - KMGE School - training program for specialized specialists at KMG Engineering LLP.
- ✓ The KMG Group of companies has 27 collective agreements providing for more than 70 types of social support
- ✓ In the KMG group of companies, the main focus is on the full implementation and use of “Qorgau” cards. In the first 10 months of 2025, 9,764 “Qorgau” cards were filled. The number of employees who have completed the annual training in safety management is 6,662 of subsidiaries and affiliates and 2,400 employees of contractor
- ✓ On January 25, 2025, the 11th Annual HSE Forum was held in Astana with the participation of the General Directors of the subsidiaries. The theme of the Forum was "Leadership in the Development of a Safety Culture." As part of the HSE Forum, a leadership training program was conducted on "Building Personal Responsibility" as part of the "Men Saqtanamyn" Initiative



Industry, Innovation and Infrastructure

KMG's Key Initiatives

- Development and implementation of the ABAI information system to centralize all production data of the KMG group and process it using artificial intelligence and machine learning
- As part of KMG's Low-Carbon Development Program until 2060, priority areas for improving energy efficiency have been identified:
 - optimization of energy management and creation of energy management services
 - implementation of automated accounting and management systems for fuel and energy resources
 - determining the applicability of breakthrough projects on the assets of specific subsidiaries
 - implementation of the best available techniques (BAT)
 - implementation of mechanical fund modernization, optimization, and modernization of transport equipment

SDG Targets

9.1. Develop quality, reliable, sustainable and resilient infrastructure, including regional and transborder infrastructure, to support economic development and human well-being, with a focus on affordable and equitable access for all

9.4. Upgrade infrastructure and retrofit industries to make them sustainable, with increased resource-use efficiency and greater adoption of clean and environmentally sound technologies and industrial processes

KMG Results

- ✓ The Water Injection Management module is being replicated for OMG field
- ✓ Work is underway to develop, test, and implement the Flood Management module for KOA and test the Digital Rating of New Wells module for MMG (Zhetybai field)
- ✓ The business architecture of the ABAI information system modules is being revised in order to optimize the user experience and scalability
- ✓ The main measures to improve energy saving and energy efficiency at the KMG Group of Companies include modernization and replacement of technological furnaces and boilers, installation of variable frequency drives on pumps (VFD), thermal integration of technological flows, modernization of the lighting system, etc



Sustainable cities and communities

KMG's Key Initiatives

- Participation in the “Taza Kazakhstan” initiative to improve environmental conditions
- Creation of a “green belt” through landscaping and tree planting projects
- Implementation of Best Available Techniques (BAT) to reduce environmental impacts step-by-step
- Development of a pollutant emission reduction program
- Implementation of the World Bank’s “Zero Routine Flaring by 2030” Initiative
- Development of “green” offices and separate waste collection systems

SDG Targets

11.6. Reduce the adverse per capita environmental impact of cities, including by paying special attention to air quality and municipal and other waste management

KMG Results

- ✓ Participation in the “Taza Kazakhstan” campaign: 277 clean-up events with more than 9,000 participants, and about 5,800 bags of waste were collected
- ✓ Since 2021, approximately 300,000 trees have been planted across the KMG Group of Companies. In total, 109,000 trees are planned to be planted in 2025
- ✓ 150,000 pine seedlings were planted in the Kostanay region as part of the reforestation project supported by KMG
- ✓ Automated emission monitoring systems (AEM) have been implemented in 5 subsidiaries (MMG, KOA, Atyrau Refinery, Pavlodar Oil Chemical Refinery, and PKOP), and emission data is transmitted to the authorized body online
- ✓ Since 2017, the volume of flaring of raw gas has been reduced by 89% in the group of producing subsidiaries of KMG as a result of the implementation of measures to install complex gas processing facilities in the Atyrau and Aktobe regions
- ✓ As part of the "green office" project, a vending machine for plastic bottles and aluminum cans has been installed in the KMG building. Eco-bins for separate waste collection have been installed, the number of indoor plants has been increased, and bike parking facilities have been actively used in the KMG CC and implemented in many KMG subsidiaries. As of now, since the installation of the vending machine in the KMG building (since 2023), 71,062 aluminum cans and plastic bottles have been collected



Responsible consumption and production

KMG`s Key Initiatives

- Historical oil waste disposal program
- “Tazalyk” project at Atyrau Refinery for wastewater treatment
- Implementation of a waste management standard
- Water resource management program

SDG Targets

12.4. Achieve environmentally sound management of chemicals and all wastes throughout their life cycle in accordance with agreed international frameworks and significantly reduce their release into the air, water, and soil to minimize their adverse impacts on human health and the environment

12.5. By 2030, substantially reduce waste generation through prevention, reduction, recycling, and reuse

12.6. Encourage companies, especially large and transnational companies, to adopt sustainable practices and integrate sustainability information into their reporting cycle

KMG Results

- ✓ In total, the KMG Group has disposed of 4,461 thousand tons of oil waste
- ✓ Work is underway to dispose of approximately 194,000 tons of historical oil waste in the OMG and MMG
- ✓ “Tazalyk”: The 2nd stage of the "Reconstruction of Mechanical Treatment Facilities (Closed-Type MTFs)" project has been completed
- ✓ In 2025, the waste management standard was implemented in the KMG subsidiaries
- ✓ A draft water management program has been developed



Climate action

KMG's Key Initiatives

- Implementation of internal carbon pricing
- Participation in the Carbon Disclosure Project and disclosure of climate risks per TCFD
- Methane emissions management in cooperation with Carbon Limits, IFC, and Tetra Tech Inc
- Forest-climate offset project in partnership with Chevron in Pavlodar Region
- Participant in UNEP OGMP 2.0 methane initiative
- Signatory to the Oil and Gas; Decarbonization Charter

SDG Targets

13.2. Integrate climate change measures into national policies, strategies, and planning

13.3. Improve education, awareness-raising, and human and institutional capacity on climate change mitigation, adaptation, impact reduction, and early warning

KMG Results

- ✓ An action plan for the implementation of the Low-Carbon Development Program until 2060 has been approved
- ✓ As part of the implementation of the green hydrogen production pilot project, solar panels have been installed to supply energy to the KMG Engineering LLP laboratory building. The project is expected to deliver a hydrogen electrolyzer in November 2025. A feasibility study has been completed for the production of blue hydrogen and its derivatives
- ✓ On the forestry and climate change project: a positive conclusion of the state expert review has been received
- ✓ Training/seminars on methane emissions management were held with the subsidiaries
- ✓ Methane emissions reports (at level 3) and the OGMP 2.0 Implementation Plan have been submitted
- ✓ Corporate standard for managing methane emissions in the KMG group of companies has been developed



Life on land

KMG's Key Initiatives

- Construction of a desalination plant in Kenderli with a capacity of 50,000 m³ of water per day
- Land rehabilitation initiatives
- Execution of the “Tazalyk” environmental project aimed at improving environmental conditions
- Development of a biodiversity conservation program and cooperation with environmental organizations
- Implementation of the mitigation hierarchy: avoidance, minimization, restoration, and offsetting of environmental impacts

SDG Targets

15.3. Combat desertification, restore degraded land and soil, including land affected by desertification, drought, and floods, and strive to achieve a land degradation-neutral world

15.5. Take urgent and significant action to reduce the degradation of natural habitats, halt the loss of biodiversity, and ensure the conservation and protection of threatened species

KMG Results

- ✓ The Kenderli desalination plant was commissioned in October 2025. The facility is planned to be handed over to the local executive body
- ✓ Work is underway to restore contaminated land and reduce pollutant discharges
- ✓ As part of reforestation, 150,000 pine seedlings were planted in burned areas in the Kostanay region
- ✓ The project of reconstruction of drainage channels and reclamation of the Atyrau refinery's evaporation fields is being implemented
- ✓ A biodiversity conservation program has been developed
- ✓ The principles of the hierarchy of measures to reduce environmental impact are reflected in KMG's Environmental Policy



Partnership for the goals

KMG's Key Initiatives

- Disclosure of tax reports in line with GRI standards and the OECD Action 13 Country-by-Country initiative
- Strengthening transparency in corporate governance
- Participation in international initiatives on sustainable development, environmental protection, and emissions reduction

SDG Targets

17.1. Strengthen domestic resource mobilization, including through international support to developing countries, to improve domestic capacity for tax and other revenue collection

17.16. Enhance the Global Partnership for Sustainable Development, complemented by multi-stakeholder partnerships that mobilize and share knowledge, expertise, technology, and financial resources to support the achievement of the Sustainable Development Goals in all countries, particularly developing countries

17.17. Encourage and promote effective public, public-private, and civil society partnerships, building on the experience and resourcing strategies of partnerships

KMG Results

- ✓ KMG annually discloses information on taxes and government payments, adhering to leading transparency standards
- ✓ The Company actively collaborates with international agencies and intergovernmental organizations in implementing sustainable development projects
- ✓ The company is a member of international initiatives such as IOGP (International Association of Oil and Gas Producers), CDP (Carbon Disclosure Project), World Bank Zero Routine Flaring, GRI (Global Reporting Initiative), and OGMP (Oil and Gas Methane Partnership)

