

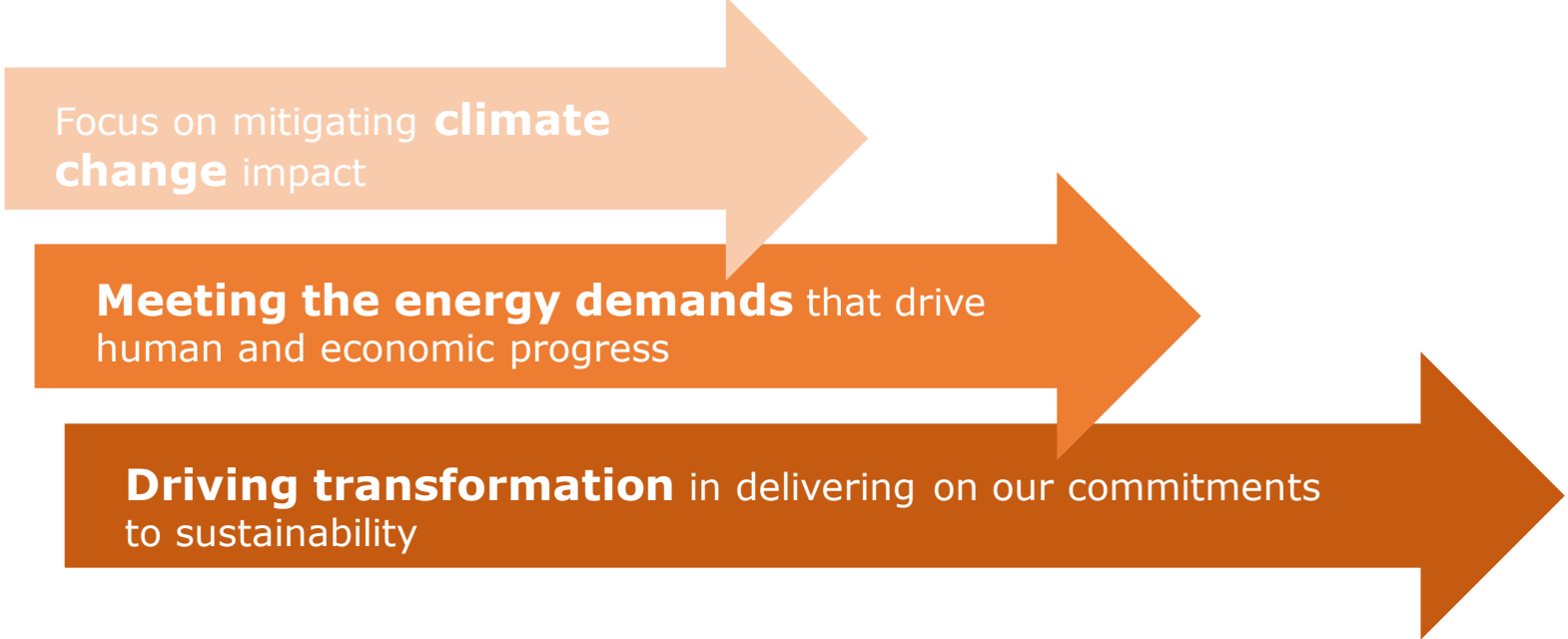


**rompetrol**

KazMunayGas  
International  
Group Member

# **Romp petrol 2022 Sustainability Report**

# 2022 Sustainability Report



10

10 years of sustainability reporting

CSRD  
EU Taxonomy

Extended reporting framework & standards

CO<sub>2</sub>

Comprehensive Decarbonization Strategy

# Sustainability Disclosure Guidelines Used in Reporting

## UN Groups



UN Global Compact

SUSTAINABLE DEVELOPMENT GOALS



## Policy Frameworks and Disclosure Norms



ipieca

## Regulations

### SFDR

**Sustainable Finance Disclosure Regulation**

*Mandated in EU, March 2021*

### CSRD

**Corporate Sustainability Reporting Directive**

*Mandated in April 2021*



*Mandatory starting Jan1, 2022*



**rompetrol**

KazMunayGas  
International  
Group Member

# Rompetro Decarbonization Strategy



Development and implementation of stricter carbon emission reduction legislation

→ **major impact on KMG I operations**

- Significant drop in free GHG allowances
- Higher prices for GHG certificates
- Higher costs for biofuel targets (RED II & RED III)
- Increased customer demand for decarbonization
- Lower demand for fossil fuels in the context of electric stimulation by 2035
- Harsher taxation of fossil fuels, especially following ETC implementation for road transportation

## KMG I Decarbonization Strategy

limited options given current asset structure

## KMG I to become a diversified player in oil & gas distribution (5-15% diversification by 2030)

Maintain focus on oil & gas while gradually diversify portfolio, including 2<sup>nd</sup> generation biofuels, production & distribution of renewable electricity

## Priority projects

- Expansion of Rompetrol retail network
- Electrical vehicle charging in own network
- On-site generation
- Renewable energy production
- Biodiesel & bioethanol production

*Diversification through investments in prioritized opportunities will improve the resilience and long-term sustainability of the Group. This will lead to improved profitability and the ability to provide products and services with increased growth in the coming decades*

USD 600 million

# Group Carbon Footprint



included in CFP calculation  
for KMG International  
based on materiality  
  
not included

HFCs  
CH<sub>4</sub>  
N<sub>2</sub>O  
SF<sub>6</sub>  
PCF<sub>s</sub>  
CO<sub>2</sub>

**SCOPE 2**  
Upstream activities



purchased electricity, steam,  
heating & cooling, for own use

**SCOPE 3**  
Upstream activities



employee commuting



business travel



waste from operations



purchased goods & services



capital goods



fuel & energy activities



transport & distribution

**SCOPE 1**  
Reporting company



company facilities



company vehicles

**SCOPE 3**  
Downstream activities



transport & distribution



processing of sold products



use of sold products



end-of-life treatment of sold products



leased assets



franchises



investments

## GREENHOUSE GAS EMISSIONS

Tons CO<sub>2</sub> equivalent emissions in the value chain - FY 2022

SECTOR	SCOPE 1	SCOPE 2	SCOPE 3	TOTAL
Refining Industry	1,068,378	1,872	4,462,032	5,532,282
KMG I Services	4,501	469	3,491	8,461
Retail (warehouses, gas stations)	2,853	11,167	8,452,113	8,466,113
Biogenic uptake*	-311	-	-646,030	-646,341
<b>Grand Total Emissions</b>				<b>14,006,876</b>

\* Biogenic CO<sub>2</sub> is the carbon dioxide (CO<sub>2</sub>) resulting from the decomposition, digestion or combustion of biomass or biomass-derived products. Biogenic CO<sub>2</sub> is part of the "natural short carbon cycle". Assimilated by biomass through photosynthesis, atmospheric CO<sub>2</sub> is then returned, as biogenic CO<sub>2</sub>, to the atmosphere or to the soil, depending on the conversion type and final use of biomass. Fuel products from KMG I include biofuel in their composition, for which the biogenic uptake is accounted for separately in accordance with GHG Protocol guidance, which includes emission factors for biofuel and a net zero assumption over the lifecycle of biofuels.

# 2022 Overall Sustainability Performance



# Environment



Detailed reporting for all **Scope 1, Scope 2 & Scope 3** GHG emissions



**0 Scope 2 emissions** in the Refining BU



**96.25 Petromidia EII** compared to 102.80 in 2021



**23% renewable energy** from overall Petromidia energy consumption basket



**Stable waste recovery**  
92% of total waste recovered at Petromidia



**56% less generated waste** on the Petromidia platform



**No spills** in any BU operations



**5% less water withdrawn** at Rompetrol Downstream

## KMGI current & future projects with an environmental impact

- CHP (Cogeneration) construction with start-up scheduled in Q3 2023 ~ 70 Mwe
- CO2 recovery from the current Hydrogen Production Plant, 120 kt/year capacity
- Renewable energy generation - 100 MW solar PV and 100 MW wind
- Co-processing of vegetable oils to produce HVO
- Building a new bioethanol plant



**rompetrol**

KazMunayGas  
International  
Group Member

# People



**5,335**  
total headcount in 2022

**Generational**  
makeup of Rompetrol

**9%**  
Baby Boomers

**53%**  
Generation X

**33%**  
Generation Y

**5%**  
Generation Z



**63.51%**  
employees in Romania  
largest Group base of operations



**1,518**  
female employees



**3,817**  
male employees



**30%**  
female  
employees at  
Group level

**+ 2%**  
from previous year

**3**  
female BoD members

**200**  
different jobs



**USD 1.99 billion**  
taxes paid by the Group to  
the state budget

**13.41** average training hours  
per employee, from 6.68 in 2021



**7.55**  
Average training hrs.  
compared to 4.06 in 2021



**71,133.35**  
training hours were  
performed in 2022  
for all Group  
employees



**15.74**  
Average training hrs.  
compared to 7.7 in 2021

Ești student în an terminal  
sau masterand?  
Aplică pentru programul

**PREGĂTIT**  
PENTRU CARIERĂ



**21 years**  
internship program

**>1,500**  
program graduates

**>50%**  
graduates hired



# Safety



Zero fatalities



Zero motor vehicle safety incidents



Zero operational process safety events

**Behavior Based Surveillance (BBS)** program - ensures proper behavioral supervision and empowers employees to issue observations about any unsafe acts or unsafe conditions that they might observe

**Hazard Observation Cards (HOC)** program - early potential hazards identification and proper definition of mitigation and control measures

The nonconformities issued as a result of running the two programs are consolidated, reported and tracked for closure. Even more, the nonconformity closure rate has an annual

**target set at 92%**

0.26

**LTIR**

Lost Time Injury Rate

KPI reflects work-related accidents resulting in loss of working days, as well as fatalities and victims following catastrophic and major vehicle crashes



**11,527,772** workhours recorded in 2022, up by 5% from the previous reporting period



**260,951** hours of QHSE training, compared to 30,000 in 2021



**93%** Nonconformities closing rate  
5,375 NC issues/ 4,977 NC closed



**1,509** fire drills, compared to 1,300 in 2021



**>5,000** inspections and audits performed by relevant bodies



**rompetrol**

KazMunayGas  
International  
Group Member

# Community



EDUCATION AND GROWTH



ENVIRONMENTAL STEWARDSHIP



SPORTS & CULTURE



SOCIAL SUPPORT



HEALTH & MEDICAL RELIEF

**>USD 2.5 million contributions**

(financial, in-kind donations of goods, fuel, and public events fundraising) during 2021-2022



**NATIONAL BLOOD DRIVE**

**63,750 donors and over 25,000 liters of blood**

**> 1 million RON in vouchers offered by the company to blood donors to support the campaign**



**15 years** of partnership in support of Romanian health



**20 years** of partnership & support



**Long-term** partnership



**Driving** excellence in education



**Support** for the Romanian robotics team



**Community** of Rompetrol employees united in team spirit



- **9,500 children** and accompanying parents
- **>300 volunteers** enrolled in the project
- **2,000,000 km** covered (Romania, Moldova, Ukraine)



**460 runners**  
**3,938 km**  
**3,938 liters of fuel** donated to Soul Driver

**2022 "Best CSR Campaign in Social Media"**

# Market

5.15 MILLION  
TONS



Total raw materials  
purchased by  
Petromidia refinery

56 TANKER  
SHIPS



Crude unloaded  
at the MMT offshore  
SPM buoy

1.6 MILLION  
TONS



Total fuels  
transported  
by rail only

4.93 MILLION  
TONS



Total products sold  
by Petromidia across  
all sales divisions

300 THOUSAND  
TONS



Highest  
post-pandemic  
sales of Jet

250 THOUSAND  
TONS



Total volume of  
LPG sold in both  
retail & wholesale

42 THOUSAND  
TONS



Solvent sales



**748,000 members**

enrolled in the B2C loyalty program

**187,000 new members** only in 2022



**253,000 customer accounts** created in the mobile  
application by the end of 2022



**1,742 active products** available in 2022

➤ 227 local products = 13.03% of the total portfolio

**144 producers** contributing to these products

➤ 30 of them being local producers = 20.83% of total producers

# 2022 Detailed Sustainability Performance

# KMG International Companies



Sustainability action is defined and detailed in various strategies and policies developed and implemented at KMG level and within member companies according to their specific:

- Environmental Management program
- Waste Management program
- Investment program approved at company level (projects carried out mainly in the operational activity, which aim to reduce the impact on the environment and communities)



- **Decarbonization Strategy**
- **Climate-related risk assessment & mitigation plan**



- QHSE Policies
- Integrated QHSE Management System



- Advice & Grievance Mechanisms
- Anti-corruption & Anti-Bribery Policy
- Conflict of Interest Procedure
- Code of Ethics and Business Conduct
- Supplier Code of Conduct



The Code is mandatory for all Group employees as well as its internal advisers and collaborators, irrespective of their location, position, full-time or part-time work status.

The Code also applies to the Board of Directors with respect to any activities they may engage on behalf of the Group.



KMG International, its subsidiaries and all suppliers operate in full compliance with all applicable national and international laws and regulations with respect to human rights, safe working conditions, promoting fair employment conditions, responsible management of environmental issues and high ethical standards.



To make sure all QHSE standards in place guarantee the health and safety of KMG International employees, suppliers and all other stakeholders involved in its operations, the Group constantly performs internal and external safety audits and inspections, both planned and impromptu, in order to identify weak points and improvement opportunities.



# Rompetro Rafinare

 **464.457.570**  
EBITDA USD

 **5.25** million tons/year  
Petromidia processed raw materials

 **1.7**  
EXPORTS Billion USD

 **85.55%**  
Yield white products

 more than **1.56**  
CONTRIBUTION TO ROMANIA'S BUDGET Billion USD

 **373** thousand tons/year  
Vega processed raw materials

	2019	2020	2021	2022
 Total feedstock, mt/days in operation	<b>17,344</b> tons/day	<b>15,211</b> tons/day	<b>16,300</b> tons/day	<b>15,409</b> tons/day
 Total feedstock, mt/year	<b>6,3</b> million tons/year	<b>4,8</b> million tons/year	<b>4,58</b> million tons/year	<b>5,26</b> million tons/year
 Produse albe, %wt	<b>86.1</b>	<b>85.93</b>	<b>86.12</b>	<b>85.55</b>
 Energy Intensity Index, %	<b>97.06</b>	<b>99.17</b>	<b>102.78</b>	<b>96.2</b>
 Mechanical Availability, %	<b>97.49</b>	<b>96.93</b>	<b>95.96</b>	<b>87</b>
 Technological loss, %	<b>0.8</b>	<b>0.89</b>	<b>0.82</b>	<b>0.80</b>
 Nelson Index, %	<b>9.98</b>	<b>10.062</b>	<b>9.81</b>	<b>9.57</b>

# Rompetro Rafinare



**3.38 BU Refining Energy**  
integrated energy performance of PEM Refinery, PP & Vega Refinery



**96.25 PEM EII**  
Actual Energy Consumption in GJ/day divided by Standard Energy in GJ/day multiplied by 100



**Lowest energy consumption in Vega in 5 years**  
2.34GJ/t of total throughput



**0 Scope 2 emissions**  
for both Petromidia & Vega refineries



**92%** of total waste on PEM platform sent for recovery



**1.108 employees**



842 male employees



266 female employees



**39.83 average hours of training** per employee  
**44,142 hours** of training provided to **685 employees**



**99.9% PEM** workforce and **100% Vega** workers subjected to mandatory annual medical check-up



**0 fatalities** recorded during the reporting period

**IKNOW**

Online application for QHSE annual employee training



**133,095 hours** QHSE training by PEM (contractors, subcontractors, rescuers, licensed issuers, annual retraining of own staff)  
**24,824 hours** of QHSE training by Vega Refinery



RRC delivers **only Euro 5 fuels** on the domestic market and a content of biofuel of minimum 8% in volume for gasoline and minimum 6,5% in volume for Diesel fuel

# Rompetro Well Services

**Rompetro Well Services (RWS)** is one of the leading companies on the specific market segment in Romania. RWS offers a wide range of specialized services for the oil and natural gas wells that include Cementing (50% of the company's turnover), Sand Control, Stimulation, Slickline, Nitrogen Services, Tubular Running and Tools Rental.

Over the last years, the Company provided its services to over 40 oil companies and drilling contractors in Romania, Eastern Europe, Kazakhstan, Iraq, Jordan and Turkey.



RWS Operating Bases in Europe & Central Asia are permanently staffed with high experienced personnel, trained by European specialists



Integrated management system according to ISO 9001, ISO 14001 and OHSAS 18001 requirements for quality assurance, environmental protection and HSE



 **3,6**  
EBITDA Million RON

 **52.8**  
TURNOVER Million RON

 **14.9**  
CONTRIBUTION TO ROMANIA'S BUDGET Million RON

# Rompetrol Well Services



**137 employees**



115 male employees



22 female employees



**9.13 average hours of training**

per employee

**1,252 hours** of training provided to  
**129 employees**



**Occupational health and safety trainings** are provided on a regular basis, in compliance with the applicable legislation:

- Legal requirements training (monthly)
- Professional training matrix
- Other professional trainings for job development (forklift drivers, professional drivers, IWCF, Bosiet, etc.) Annual training plan
- Road safety trainings

To improve the company's health and safety performance, specific measures were applied in 2022:

- HSE mailbox and weekly HSE reporting
- HSE management meeting
- Safety audits
- BBS
- Internal audits plan
- Incident investigation according to Romanian law
- JSA and Risk assessment for all operations
- Mandatory trainings
- Professional trainings

As part of its QHSE management system, the company provides road safety awareness campaigns, fleet GPS monitoring and defensive driving programs to ensure transport safety (indicators are reported in weekly management meetings)



# Rominserv

Part of KMG International Group, **Rominserv** is the first Romanian company integrating industrial maintenance services industrial project management, and technical & technology development services and offers customers a financially and operationally valid alternative to the traditional internal management system for the execution/maintenance of upgrading and development investment projects.



**543** employees



**158 USD million** average turnover



**Over 1 USD billion** projects managed



**96.93%** mechanical availability in PEM Refinery



## Solution provider

Brain power, a team of experts and the best project strategies.



## Turn Key Contractor

Oil investment projects through specialized Management services, EPC or EPCM.



## Maintenance Contractor

Plant maintenance, turnarounds & shutdowns, revamps & technological upgrades





# Rominserv



**100% recycled throughput materials** used to manufacture primary products and services



Rominserv reduced its SCOPE 1 emissions by **52%** compared to the previous reporting period



**32.1 tons of non-hazardous waste recycled**

The company has an external recovery service contract, with the condition of recovering at least 60% of the total amount of packaging placed on the market (from own imports and products)



**No spills**

Recorded during the reporting period



**No grievances**

Received from the local communities during the reporting period



Rominserv operations are certified according to the **ISO14001** environmental management standard

Subcontractors must comply with all Rominserv environmental protection requirements

Rominserv has contracts in place with external prevention and protection services for the implementation of HSE requirements, like **SEVESO III** and firefighting system assessments.

There is also a program to verify compliance with HSE requirements by Management, Operational Departments and QHSE.

The occupational health and safety management system covers all **1,200 Rominserv external employees**



**543 employees**



443 male employees



100 female employees



**9.01 average hours of training** per employee  
**4,913 hours** of training provided to **482 employees**



**100% of the staff** benefits from regular medical check-ups



**6,576 QHSE training hours** for contractors, subcontractors, rescuers, licensed issuers, annual retraining of own staff

# Rompetrol Energy

**Rompetrol Energy** was established to implement the Cogeneration project on the Petromidia platform.

The current field of activity is the production and distribution of thermal energy, demineralized water and the distribution of electricity.

After the completion and commissioning of the cogeneration plant, the production and sale of electricity will be added to the field of activity of the company.

To bring its contribution to a low carbon economy, Rompetrol Energy focuses its activity on climate-risk mitigating actions which look to:

- Reduce energy consumption (electric power, fuel, water, compressed air);
- Reduce the temperature of discharge waste gases from 175°C to 95°C operating in normal conditions by implementing the CoGen Power Plant project;
- Eliminate fuel oil consumption in normal operation after the new plant commissioning;
- Reduce refinery gas consumption from 100% (2021) to max 25 % after new unit commissioning;
- Natural gas will be considered as main fuel for the plant with min 75% of total consumption;
- On-line monitoring of steam boiler efficiency;
- Full integration with refinery in term of steam source production by maximization of production in the cogeneration plant.

- ~80 MW of electricity - of which approximately 60-70 MW to fully cover the platform's electricity needs
  - up to 180 tons / hour, technological steam
  - the need for hot water for the Năvodari heating system - up to 20 MWt / hour.The surplus electricity will be delivered to Group companies through the national energy system



**rompetrol**

KazMunayGas  
International  
Group Member

# Romp petrol Energy



**929,483 GJ- total energy consumption, compared to 954,537.9 GJ in 2021**  
non-renewable and renewable fuel used within the organization, electricity, heating, cooling & steam purchased for consumption and sold, self-generated electricity, heating, cooling and steam not used & fuel consumption from company cars



**Energy Intensity - 1.292 GJ per unit produced**  
'absolute energy consumption' divided by the 'production volume'

In 2022, Rompetrol Energy continued the implementation of its program to reduce energy consumption by switching the illumination system from gas to led technology. One hundred 160W light sources were replaced with 30 W(50pcs) and 20 W(50pcs)



**1,426 ML – total water consumption**



**127,803 tons – total waste recovery**



**143,768.57 tons CO2e** total SCOPE 1 emissions  
SCOPE 2 emissions of Rompetrol Energy in 2022 represented 1,872.35 to CO2e, with 3112811 kw/h delivered from green energy suppliers (Hidroelectrica – 1774264 kw/h and Midia Green Energy – 1338547 kw/h). In 2021, SCOPE 2 emissions represented 2,226.994 to CO2e

**No spills and no grievances from the local communities**



**157 employees**



122 male employees



35 female employees



**100% of the staff** benefits from regular medical check-ups



**3,012 QHSE training hours** for contractors, subcontractors, rescuers, licensed issuers, annual retraining of own staff



OHS management system covers all **2,953 Rompetrol Energy external employees**

RPE integrated management system includes :

- Safety Audit – workplace behavior audit, developed in an intranet app
- HOC – Hazard Observation Card – developed in Microsoft Forms
- BBS Work – Behavior Base Survey for workplace on KMG platform
- BBS Drive – Behavior Base Survey for driving on KMG platform

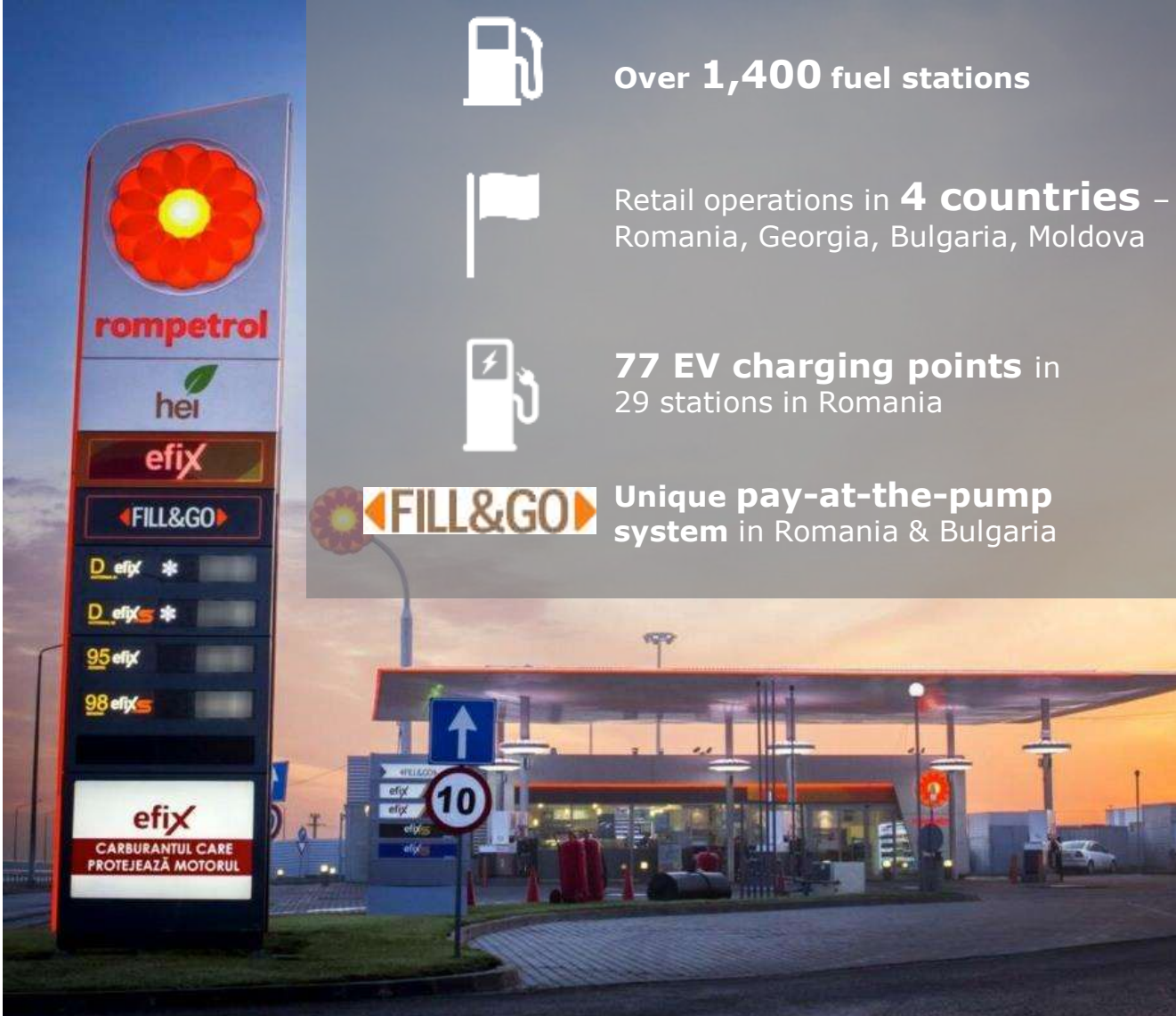
# Rompetrol Downstream & Rompetrol Gas


Part of the Rompetrol Retail BU, **Rompetrol Downstream (DWS)** operates according to its Integrated Management System, being certified for the ISO 22000 and 50001 and ISO 9001, 14001, 45001 standards.


The Group's Retail unit has dedicated Environmental Management, Energy Efficiency and Waste Management programs implemented, which are updated annually or when needed (should any legislative requirements change).


The development strategy of Rompetrol Downstream and Rompetrol Gas for the upcoming period targets the sustainable development of activities and the acquisition of environmentally friendly technologies and equipment:


- Implementation of photovoltaic panels in gas stations
- Extension of electrical charging network
- Maintenance of the internal light open/light close program
- Continued development of LED light installment into totems and canopies
- Selective collection of waste packing at national level
- VOC equipment replacement and additional technological equipment for storage in DWS depots



 Over **1,400** fuel stations

 Retail operations in **4 countries** – Romania, Georgia, Bulgaria, Moldova

 **77 EV charging points** in 29 stations in Romania

 **Unique pay-at-the-pump system** in Romania & Bulgaria



# Rompetro Downstream

## ROMPETROL DOWNSTREAM

Energy consumption inside the organization		2022	2021	2020
Fleet fuel (liters)	Gasoline (sponsorship)	50,350.66	38,435.42	35,749.17
	Gasoline (sponsorship)	105,868.16	150,386.87	239,225.48
	Gasoline (Downstream fleet)	383,114.5	182,904.4	170,020.49
	Total (liters)	631,289.67	301,044.81	472,401
	Total (MWh)	5,618	2,679	4,204
Electricity (MWh)		29,678.86	29,951	27,430.75
Fuel for thermal power plant* (MWh)		581	879.57	766
<b>Total (MWh)</b>		<b>35,878</b>	<b>33,510</b>	<b>32,401</b>

\* Including LPG (Craiova warehouse) and natural gases (3 stations and 2 warehouses)

1 liter gasoline/diesel = 8.9 kWh

1 kg gas CT = 13.6 kWh

Energy consumption outside the organization		2022	2021	2020
Trucks fuel consumption with transportation between depots and warehouses	Diesel (liters)	3,840,064	3,858,881	3,204,983
	Diesel (MWh)	34,176	34,344	28,524

1 liter gasoline/diesel = 8.9 kWh

### Energy efficiency measures applied in 2022 (including repairs and modernization or retrofitting actions)

	Commissioning date	ROI (yrs)	Cost of investment (th. RON)	Energy savings (MWh/yr)	Energy savings (toe/yr)	Cost savings (th. RON/yr)	Specific energy saving cost (RON/MWh)
Continuation of the program to replace lighting elements with more efficient ones in 19 stations	2022	1	197	205	17.63	205	960.97
Electricity consumption reduction by replacement of outdated equipment in kitchens with new, high-performance equipment	2022	4	1,200	300	25.8	300	4,000.00
Continuation of the program aimed at replacing open display refrigerators with closed ones in 7 stations	2022	3	120	35	3.01	35	3,428.57
Continuation of the program aimed at replacing old air-water equipment with new ones in 2 stations	2022	8	13	1.7	0.1462	1.7	7647.05
<b>Total</b>		<b>1,530</b>	<b>541.7</b>	<b>46.5862</b>	<b>541.7</b>	<b>4,009.2</b>	



**208,32 million liters** water withdrawn & discharged



**1,647.5 tons CO2** – total SCOPE 1 emissions

6,321.53 total SCOPE 2 emissions  
6,069,400.51 total SCOPE 3 emissions



**7,875.155 tons of waste**

**670.875 tons** total recovered waste compared to 685.922 in 2021  
The company uses packaging management suppliers & specialized in the selective collection of packaging waste



**1 grievance** from local communities about noise/ upon analysis no limits were exceeded



**No incidents** regarding pipelines nor accidents from rail transportation



**448 employees**



306 male employees



142 female employees

780,812 worked manhours



**2.65 average hours of training** per employee

**1,164 hours** of training provided to **101 employees**



Every year, local authorities carry out **SEVESO inspections** on the 6 depots operated by Rompetrol Downstream



**100% implementation** of automation of fire extinguishing systems in warehouses

100% implementation in gas stations



**No events** that would qualify as a work accident and/ or occupational illness recorded



# Rompetrol Gas

## ROMPETROL GAS

Energy consumption inside the organization		2022	2021	2020	2019
Electricity (MWh) - Scope 2		1,138	1,057	981	769
Fuel for the heating system - Scope 1	Propane (tons)	211	208	176	162
	Propane (MWh)	2,954	2,912	2,464	2,268
Fleet fuel (liters) - Scope 1	(liters)	14,000	13,000	9,700	10,000
	(MWh)	125	116	87	89
<b>Total (MWh)</b>		<b>4,217</b>	<b>4,085</b>	<b>3,532</b>	<b>3,126</b>

1 kg propane = 13.6 kWh

Energy consumption outside the organization		2022	2021	2020	2019
Auto tanker fuel	Diesel (liters)	972,583	962,997	74,467	944,933
	Diesel (MWh)	8,655	8,561	658	8,394

1 liter gasoline/diesel = 8.9 kWh

Water withdrawal		2022	2021	2020	2019
Surface water (rainfall)		n/a	n/a	n/a	n/a
Groundwater (million liters), of which:		4,083	7,412	1,859	1,467
Bacău (m <sup>3</sup> )		2,622	4,792	637	590
Pantelimon (m <sup>3</sup> )		1,461	2,620	1,222	877
Sea water		n/a	n/a	n/a	n/a
Water produced		n/a	n/a	n/a	n/a
Third-party water - Arad only (million liters)		2,930	1,755	1,602	1,112
La Fântâna (million liters)		0.014839	-	-	-
<b>Total (million liters)</b>		<b>7.013</b>	<b>9.167</b>	<b>3.461</b>	<b>2.579</b>

Water withdrawal and water discharge quantities correspond

Water consumption		2022	2021	2020	2019
La Fântâna (million liters)		0.014839	-	-	-



**220,704 m<sup>3</sup>** water withdrawn & discharged



**671 tons CO<sub>2</sub>** – total SCOPE 1 emissions  
242 total SCOPE 2 emissions  
2,625 total SCOPE 3 emissions



**64.54 tons of waste** generated and diverted from disposal



**0 grievances** from local communities



**No incidents** regarding pipelines nor accidents from rail transportation



**95 employees**



83 male employees



12 female employees



**22.8 average hours of training** per employee  
**2,167 hours** of training provided to **123 employees**



**316 QHSE training hours**  
Provided during the reporting period



**100% implementation** of automation of fire extinguishing systems in warehouses



**No events** that would qualify as a work accident and/ or occupational illness recorded

# Midia Marine Terminal



**238 employees**



185 male employees



53 female employees



**2.26 average hours of training** per employee

**539 hours** of training provided to **27 employees**



**2,307 QHSE training hours**

Provided during the reporting period

- Safety Audit – workplace behavior audit, developed within an intranet app
- HOC – Hazard Observation Card – developed in Microsoft Forms
- BBS Work – Behavior Base Survey for the workplace on KMG platform
- BBS Drive – Behavior Base Survey for driving on KMG platform

## HSE Index & LTIR

2022	HSE Index Actuals current months	Worked hours	Kilometers driven	Safety incidents - numbers				Safety incidents - rates			
				FTL	TRI	MVC (M+C)	MVC Total	FIR	TRIR	MVCR	LTIF/LTIR
Midia Marine Terminal SRL	0.0	410,405	309,587	0	0	0	0	0.0	0.0	0.0	0.0
<b>Group total year-to-date Dec. 2022</b>	<b>0.001</b>	<b>11,527,772</b>	<b>14,266,180</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>10</b>	<b>0.00</b>	<b>0.35</b>	<b>0.00</b>	<b>0.26</b>

2021	HSE Index Actuals current months	Worked hours	Kilometers driven	FTL	TRI	MVC (M+C)	MVC Total	FIR	TRIR	MVCR	LTIF/LTIR
Midia Marine Terminal SRL	0.0	414,426	308,849	0	0	0	0	0.0	0.0	0.0	0.0
<b>Group total year-to-date Dec. 2022</b>	<b>0.14</b>	<b>10,929,315</b>	<b>13,294,732</b>	<b>3</b>	<b>5</b>	<b>0</b>	<b>2</b>	<b>27.45</b>	<b>0.46</b>	<b>0.00</b>	<b>0.46</b>

2020	HSE Index Actuals current months	Worked hours	Kilometers driven	FTL	TRI	MVC (M+C)	MVC Total	FIR	TRIR	MVCR	LTIF/LTIR
Midia Marine Terminal SRL	0.0	410,402	287,155	0	0	0	0	0.00	0.00	0.00	0.00
<b>Group total year-to-date Dec. 2022</b>	<b>0.091</b>	<b>11,877,026</b>	<b>13,359,620</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>15</b>	<b>0.00</b>	<b>0.25</b>	<b>0.07</b>	<b>0.25</b>

## Energy consumption inside the organization

Energy consumption inside the organization		2022
Fleet fuel	Gasoline (liters)	13,589
	Diesel (liters)	513,890
Electricity (MWh)		670.133
Fuel for heating	Propane (liters)	12,372



**9.8388 tons generated**

of which 5.358 nonhazardous waste and 4.4808 hazardous waste

## Reduction in energy consumption

Reduction in energy consumption	2022 vs 2021
Reduction	-8.5%

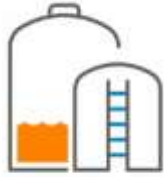
## GHG emissions

GHG emissions	2022
Heating and cooling system (tCO <sub>2</sub> e)	316.12
Car fleet (tCO <sub>2</sub> e)	314.63
<b>Total (tCO<sub>2</sub>e)</b>	<b>630.75</b>

# Midia Marine Terminal



60.000 – 165.000  
DWT



50.000 MT  
Crude Oil Tank Farm







7.000 m<sup>3</sup>/h  
Flow Rate



8,6 km  
Offshore  
Midia Harbor



All the data is transmitted, displayed, interpreted and recorded using an customized software, providing exact data about:

-  weather
-  underwater currents
-  swell altitude
-  orientation and position of SPM





# Rompetrol Quality Control



**19 years**

The company has been operational **since 2004** – the specialists from the RQC laboratories carried out **more than 9 million tests** that contributed to the operational success of the Petromidia Năvodari and Vega Ploiești refineries, as well as for other economic operators throughout the country

With its RENAR accredited laboratories in compliance with **SR EN ISO/ IEC 17025:2018**, Rompetrol Quality Control provides a full range of laboratory testing services of petroleum products (solid, liquid, gaseous), of environmental factors (water, air, waste), on-site pollutant assessment, petrochemical products analysis, biofuel testing (biodiesel and bioethanol)



**rompetrol**

KazMunayGas  
International  
Group Member

# Romp petrol Quality Control

RQC complies with all the relevant emergency requirements by documenting, approving, implementing, and consistently updating the following plans and documents:

- List of hazardous substances
- Accident pollution prevention and response plan
- Fire prevention and intervention plan
- Internal emergency response plan
- Earthquake preparedness plan
- Evacuation plan
- Civil protection notification and alarm plan
- Emergency preparedness and response procedure



**206 employees**



42 male employees



164 female employees



**7.28 average hours of training** per employee

**1,501 hours** of training provided to **82 employees**



**328,647 worked manhours** during the reporting period



**411,115 kilometers** driven

**0.0**

**LTIR**

Lost Time Injury Rate

No fatalities and no work-related accidents resulting in loss of working days



**14,088 QHSE training hours**

Provided during the reporting period

## Water withdrawal 2022

Fresh water from network (million liters)	11.951
---	--------

La Fântâna drinking water (million liters)	0.046484
--	----------

<b>Total (million liters)</b>	<b>11.99784</b>
-------------------------------	-----------------

## Water discharge 2022

<b>Total (million liters)</b>	<b>11.951</b>
-------------------------------	---------------

## Water consumption 2022

<b>Total (million liters)</b>	<b>0.046484</b>
-------------------------------	-----------------

## Energy consumption inside the organization 2022

Fleet fuel	Gasoline (liters)	23,524
	Diesel (liters)	10,051

Electricity (MWh)	267
-------------------	-----

Natural gas (MWh)	636
-------------------	-----



**83.1 tCO<sub>2</sub>e SCOPE 1**  
0 tCO<sub>2</sub>e SCOPE 2  
0 tCO<sub>2</sub>e SCOPE 3



**41.791 tons generated** of which 6.639 tons of waste recycled



**No spills**

Recorded during the reporting period



# Rompetrol Bulgaria



**78 employees**



55 male employees



23 female employees



**27** fire/ emergency drills



**5.8 average hours of training** per employee



**390 QHSE training hours**

Provided during the reporting period

Rompetrol Bulgaria is specialized in the distribution of fuels and petroleum products through a current network of **60 fuel stations**

The company also has wholesale operations from **3 depots** around the country: own depot in Ruse (along the Danube river) plus rented storage capacities in 2 other depots in North-East and Southern regions of Bulgaria

The company plans to invest in emission-reduction projects and increase the use of renewable energy sources such as wind, solar, and biomass, as well as implementing combined heat and power installations at its premises. Furthermore, Rompetrol Bulgaria aims to improve energy efficiency to reduce overall energy consumption. To further reduce carbon emissions, the organization also plans to promote the use of low- emission individual vehicles

## Rompetrol Bulgaria GHG emissions

2022

Scope 1 (tCO <sub>2</sub> e)	116.20
Scope 2 (tCO <sub>2</sub> e)	2,042.76
Scope 3 (tCO <sub>2</sub> e)	652,325.04

## Rompetrol Bulgaria GHG emissions intensity

2022

Emissions Intensity ratio (tE/l)	0.0024
----------------------------------	--------

$116.2 \text{ tCO}_2\text{e (Scope 1)} + 2,042.76 \text{ tCO}_2\text{e (Scope 2)} + 652,430.79 \text{ tCO}_2\text{e (Scope 3)} / 269,762,050 \text{ units of product} = 0.0024$

## Rompetrol Bulgaria GHG emissions reduction

We have successfully reduced our GHG emissions in Scope 1 by 16.13 tons CO<sub>2</sub>e each year since 2019



**16.22 million liters** water used in 2022



**143.64 tons generated** municipal and hazardous waste



**2,494 Mw/h** energy consumption

# Rompetrol Moldova



**1,047 employees**



699 male employees



348 female employees



**Largest supplier of petroleum products in the country**



- 95 stations & 85 affiliated shops
- 2 fuel depots



**29 million liters** water consumption in 2022  
100% of the total water withdrawn represented freshwater



**343.85 tons CO2** – total SCOPE 1 emissions  
2,399.59 total SCOPE 2 emissions  
1,237,311.57 total SCOPE 3 emissions



**3.11 EII**  
Total emissions divided by sales



**503 tons/year**  
VOC emissions for the year 2022



**6.96 average hours of training** per employee



**20,140 QHSE training hours**  
Provided during the reporting period



**No events** that would qualify as a work accident and/ or occupational illness recorded



**1,004** fire drills

# Romp petrol Georgia



**774 employees**



729 male employees



45 female employees



**1,913,181 worked manhours** during the reporting period



**491,365 kilometers** driven



**2.29 average hours of training** per employee

The company operates a network of **71 filling stations** and **2 fuel depots**, strategically coordinating their operations

Romp petrol Georgia has consistently maintained certifications for ISO 9001, ISO 14001, and OHSAS 18001 standards, demonstrating their commitment to quality, environmental responsibility, and occupational health & safety



**1,204 QHSE training hours**

Training on fire safety, PPE usage, hazardous waste, etc. provided during the reporting period



**No events** that would qualify as a work accident and/ or occupational illness recorded

## Romp petrol Georgia water consumption

In 2022, Romp petrol Georgia had a water consumption of 0.02148 megaliters.

## Romp petrol Georgia GHG emissions 2022

Scope 1 (tCO <sub>2</sub> e)	74.19
Scope 2 (tCO <sub>2</sub> e)	402.76
Scope 3 (tCO <sub>2</sub> e)	490,450.26

## Romp petrol Georgia energy

2022

Energy consumption inside the organization	Gasoline (liters)	29,516
	Gasoline (GJ)	1,009.44
Energy consumption outside the organization	Diesel (liters)	5,393
	Diesel (GJ)	184.44
	Electricity (MWh)	2,983
Energy consumption outside the organization		0
Energy consumption reduction	No initiatives performed in 2022 in order to reduce energy consumption.	



**No spills**

Recorded during the reporting period



**21.61 tons of additives** were used by Romp petrol Georgia in 2022



**rompetrol**

KazMunayGas  
International  
Group Member

# Thank you!

For further questions: [csr@rompetrol.com](mailto:csr@rompetrol.com)