



Rompetrol Rafinare S.A.

PRODUCTION PLAN 2024

1. PETROMIDIA REFINERY



2024 Plan for Production activity Rompetrol Rafinare

Petromidia Refinery

The main assumptions for production and sales plan 2024.

Production Plan for PEM – 2024

TOTAL THROUGHPUT: 4,956,092 mt out of which: 4,649,773 mt crude oil, 306,319 mt other feedstock.

1. Feedstock

The types of feedstocks planned to be processed in 2024 (mt/year):

- KEBCO: 2,958,490
- Azeri Light Crude Oil: 1,101,152
- CPC Crude Oil: 590,131

Crude unit throughput: 4,649,773 mt/year (14,951 mt/day for 311 processing days).

Density and Sulphur (average value) for Crude unit throughput resulted after PIMS simulation: 0.8586 g/cm³, 1.21 % wt sulphur content.

2. Commercial Assumptions

2.1. Structure of products

Product	Total
	mt/year
Auto Gasoline	1,127,487
Auto Diesel	2,183,668
Jet A1	312,000
Fuel oil	151,186
Propylene	121,032
Coke	203,911
Sulphur	52,404
Other products	680,836

2.1.1 Auto fuels for domestic market (mt/year) – total 1,870,230

2.1.2 Auto fuels for export (mt/year)- total 1,440,925

**2.1.3** Products to be delivered to Vega Refinery (413,068 mt/year) from which:

- 200,295 Raffinate
- 66,390 C5-C6 cut
- 10,000 Hydrotreated kerosene
- 6,725 Slurry
- 124,458 Fuel oil
- 5,200 Fuel Oil Type I marked

2.1.4 Others:

- Jet A1- 302,000 mt/year (for domestic market)

2024 White Products yield is 85.85 % wt.

Note: Regarding: raffinate, C5-C6 cut, hydrotreated kerosene, slurry, fuel oil and fuel oil type I marked, these products will be transferred to Vega Refinery to be processed in order to obtain valuable products.

Auto fuels are sold on domestic market to Rompetrol Downstream (Gasoline Europlus 10 ppm, Gasoline Efix 95, Gasoline Efix S 98, Gasoline RON 98, Super Diesel Euro 5, 51 Efix Diesel, 55 Efix S Diesel, 55 Diesel) and also to Socar Romania, Mol Romania and OMV-Petrom.

The other products are sold on domestic market through: Rompetrol Gas, Air BP Sales, OMV-Petrom, Eurospeed, Eurogenetic, MAPN, Heidelbergcement, Lafarge and Romcim. On the export market the products are sold to: KMG Trading (Bulgaria, Georgia, Ukraine, Serbia, Greece, Türkiye, Israel, Egypt), Rompetrol Moldova, Rompetrol Georgia, Rompetrol Bulgaria, Ungaria și alții.

Auto fuels are sold 56.5% on domestic market and 43.5% on export market.

3. Unfinished products

The production plan was done without consumption/accumulation of unfinished products.

4. Products Specifications / Technical Assumptions

Gasoline production for domestic market contents min. 8.0% v/v Bioethanol according with internal relementation.

Diesel production for domestic market contents min. 6.5% v/v Biodiesel according according with internal relementation. Rompetrol Rafinare is producing Diesel 55 with the highest cetane number from Romania market.

According to the new regulation the diesel production for domestic market has to contain min. 0.2% vol of 2nd generation biodiesel.

For 55 days (during 10th of March and 3rd of May) Petromidia Refinery will be shutdown in order to perform the General Turnaround activity. During the Turnaround period are planned: to be replaced all the catalysts from refinery units, without 121 Kero Hydrotreater (particle guard only) and HPP (R301), to be executed mechanical works, ISCIR activities and also implementation of CAPEX projects in 125- Diesel Hydrotreater (acquisition and install of two new reactors), Hydrogen Production Plant, Naptha Hydrotreater and Delayed Coker Unit (replacement of the coke drilling-cutting system) in order to improve operational results and increase energy efficiency.



5. Summary of production plan

2024	Tons/year
Total Feedstock	4,956,092
Crude oil	4,649,773
Other raw materials	306,319
Finished Products	4,832,523
Gasoline	1,338,282
Jet	312,000
Diesel	2,190,393
Fuel oil	151,186
Gases	236,851
Propylene	121,032
LPG	226,464
Petroleum coke	203,911
Sulphur	52,404
Total Loss	123,569

Deputy General Manager and Operations Director

Pavel Romanenko

Production & Planning Optimization Director

Raluca Lainer

Operations Director

Zhanaidar Zhandeldinov

Refinery Manager

Andrei Daniel Pârvulescu



Rompetrol Rafinare S.A.

PRODUCTION PLAN 2024

2. VEGA REFINERY



2024 Plan for Production activity Rompetrol Rafinare

Vega Refinery

The main assumptions for production plan and sales plan 2024

1. Feedstock

Vega refinery will process raw material from Petromidia Refinery: C5-C6 Cut, Raffinate, Hydrotreated kerosene and Fuel oil.

The production plan was built considering the availability of the raw material transfer from Petromidia which are influenced by the 55 days of shutdown due to General Turnaround, between 10th of March and 3rd of April.

In Vega Refinery the turnaround periods were scheduled according to the General Turnaround from Petromidia, in order to minimize the influence on production. Thereby, Hexane unit and Rectification unit turnarounds are scheduled between 8th and 19th of April and Dearomatisation unit turnaround is scheduled between 12th and 23rd of April. For the DV and Bitumen units the turnaround was planned between 12th and 23rd of February, due to seasonal market demand.

Between 11th and 15th of March is scheduled the energetic turnaround.

The total feedstock for 2024 will be **413,137** tonnes in the following structure:

- C5-C6 cut – 66,390 tonnes
- raffinate – 200,295 tonnes
- hydrotreated kerosene – 10,000 tonnes
- slurry – 6,725 tonnes
- fuel oil – 129,658 tonnes
- marker – 15 tonnes
- polymer – 55 tonnes



2. Structure of products

FINISHED PRODUCTS	domestic	export	TOTAL
	,000 mt/year	,000 mt/year	,000 mt/year
Ecological solvents	0.550	42.853	43.403
n-Hexane	4.530	85.574	90.104
Naphtha gasoline	30.633	100.702	131.335
White spirit	2.400	2.515	4.915
Heating oil	16.010	-	16.010
Fuel oil	19.366	-	19.366
Bitumen	105.546	-	105.546
TOTAL	179.035	231.644	410.679

In 2024 White Products yield is planned to be 65.7 % wt.

The production plan for 2024 was built considering a higher valorification of the raw materials, through the finish products obtained and an efficient work, without accumulation of unfinished products.

Vega refinery is the only east European producer of N-hexane, used in polypropylene production and extraction of vegetable oils in food industry.

Vega refinery is also the only romanian producer of Ecological Solvents – Rompetrol SE, products with lower sulphur and aromatics content and lower toxicity level.

3. Products Specifications

The finished products for Vega Refinery are produced according to Quality Specific Standards that are in use at the moment and comply with the internal and international standards for these products.



The table below shows a summary of 2024 VEGA-production plan:

Raw materials	413.137
Feedstock	413.137
Finished products	410.679
Ecological solvents	43.403
n-Hexane	90.104
Naphtha gasoline	131.335
White spirit	4.915
Gasoil	6.185
Light liquid fuel	9.825
Fuel oil	19.366
Bitumen	105.546
Consumption	2.458

Deputy General Manager and Operations Director

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Production and Planning Optimization Director

Raluca Lainer

Operations Director

Zhanaidar Zhandeldinov

Vega Production Manager

Razvan Cristea



Rompetrol Rafinare S.A.

PRODUCTION PLAN 2024

3. PETROCHEMICALS DIVISION



**2024 Plan for Production activity
Rompetrol Rafinare**

Petrochemicals division

The main assumptions for production plan 2024

Production Plan for Petrochemicals division – 2024

POLYMERS PRODUCTION: 146,130 mt, out of which:

- PP : 79,690 mt
- LDPE : 66,440 mt

PROPYLENE TYPE P PRODUCTION: 14,749 mt

Feedstock

Raw materials planned to be processed in 2024 (mt/year):

- Propane-propylene mixture : 121,032 mt from FCC
- Ethylene : 67,968 mt

Assumptions for 2024 PETROCHEMICAL AREA-production plan:

Total Feedstock	189,000
Propane-propylene mixture	121,032
Ethylene	67,968
Polymers production	146,130
PP	79,690
LDPE	66,440
Propylene type P production	14,749

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Production & Planning Optimization Director
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Operation Director
Zhanaidar Zhandeldinov

Petrochemical Production Manager
Traian Stănică



The Production Plan of Rompetrol Rafinare S.A. for the year 2024, including Petromidia and Vega refineries together with the Petrochemical division, will be subject to approval in the Ordinary General Meeting of Shareholders, scheduled for 26/29.04.2024.

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