



DOWNSTREAM OIL SECTOR GUIDELINES

**4th edition
September 2025**



SUMMARY

LEXICONS

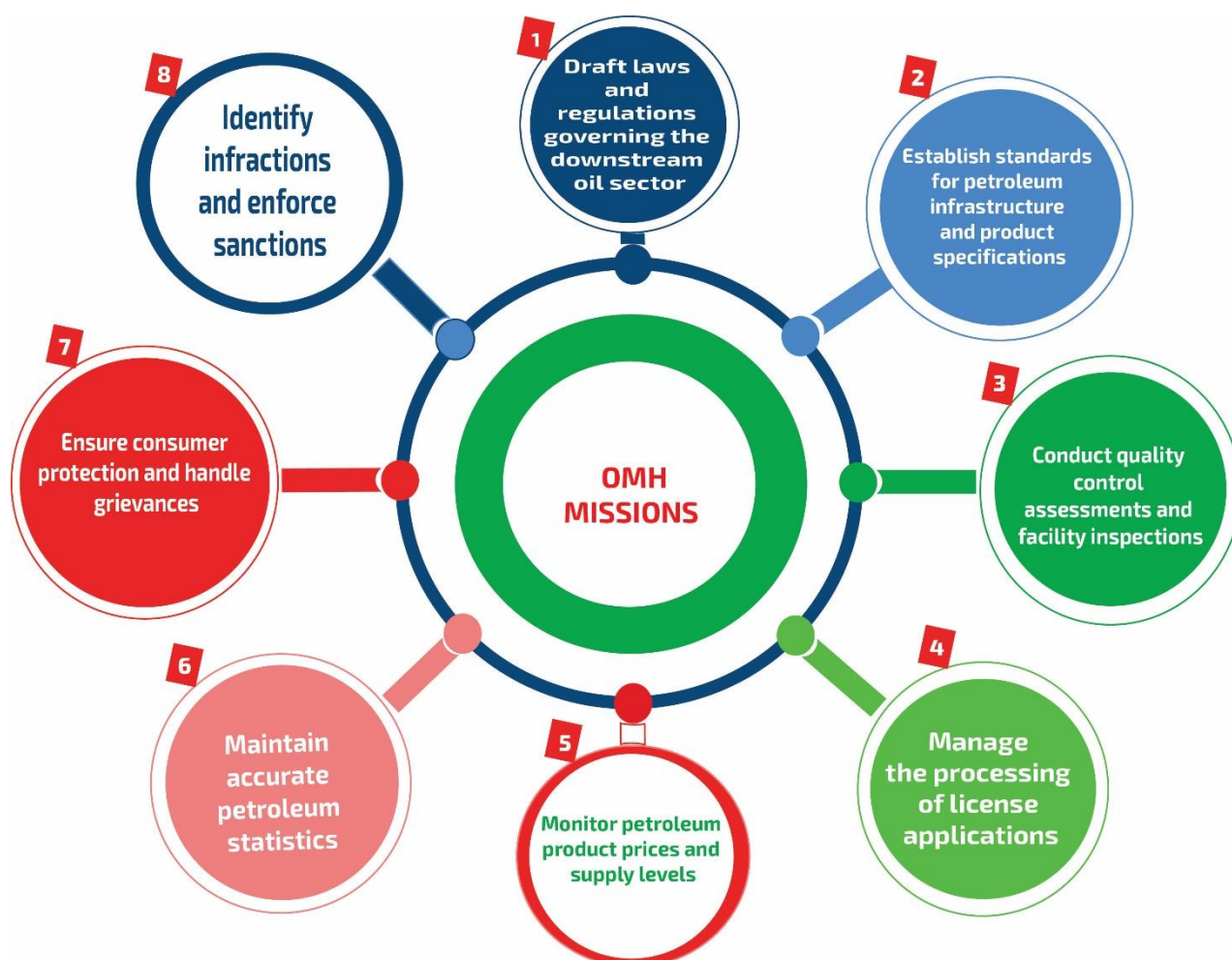
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LEXICONS

ASTM: American Society for Testing and Materials
API: American Petroleum Institute
ATP: Authorization for Oil Works
AVGAS: Aviation Gasoline
CIF: Cost Insurance and Freight
CE: Operating Certificate (Certificat d'exploitation)
EIA: Environmental Impact Study
FO: Fuel-Oil
Gas: Commercial Butane
GO: Diesel fuel
GRT: Galana Refinery Terminal
HGLs: Hydrocarbon gas liquids
JET: Jet Fuel (A1)
LPSA: Logistique Pétrolière SA (*Petroleum Logistics Limited Company*)
MECIE: Accounting for Investments with the Environment
MEH: Ministry of Energy and Hydrocarbons
OMH: Office Malgache des Hydrocarbures (*Malagasy Office of Hydrocarbons*)
ONE: Office National pour l'Environnement (*National Office for the Environment*)
DPK: Kerosene (lamp oil)
PREE: Programme d'Engagement Environnemental (*Environmental Commitment Program*)
RER: Redevance pour l'Entretien Routier (*Charge for Road Maintenance*)
SAE: Society of Automotive Engineers
SP95: Unleaded 95
SS: Gas Station (station-service)
SPAT: Société de gestion du Port Autonome de Toamasina (*authority in charge of the management and operation of the Port of Toamasina*)
MT: Metric Ton
TPP: Oil and gas taxation (Taxe sur les Produits Pétroliers)
TTC: All Tax Included
TVAPP: Value Added Tax on Oil Products
ISO: International Organization for Standardization

The downstream oil sector in Madagascar is currently fully liberalized and managed by private operators.

The Malagasy Office of Hydrocarbons (OMH) is the regulatory for the downstream petroleum sector in Madagascar. It is a Public Industrial and Commercial Establishment (EPIC), under the supervision of the Ministry responsible for Hydrocarbons, endowed with financial and administrative autonomy according to law no. 99-010 of April 17, 1999, modified by law no. 2004-003 of June 24, 2004.



1. Sector activities: access conditions

a. Eligible operators

The activities of import, refining, transportation, storage, and sale of hydrocarbons in the territory of the Republic of Madagascar are open to:

- Any natural person of Malagasy or foreign nationality,
- Any legal entity constituted as a Malagasy company.

b. Grant, renewal, and transfer fee

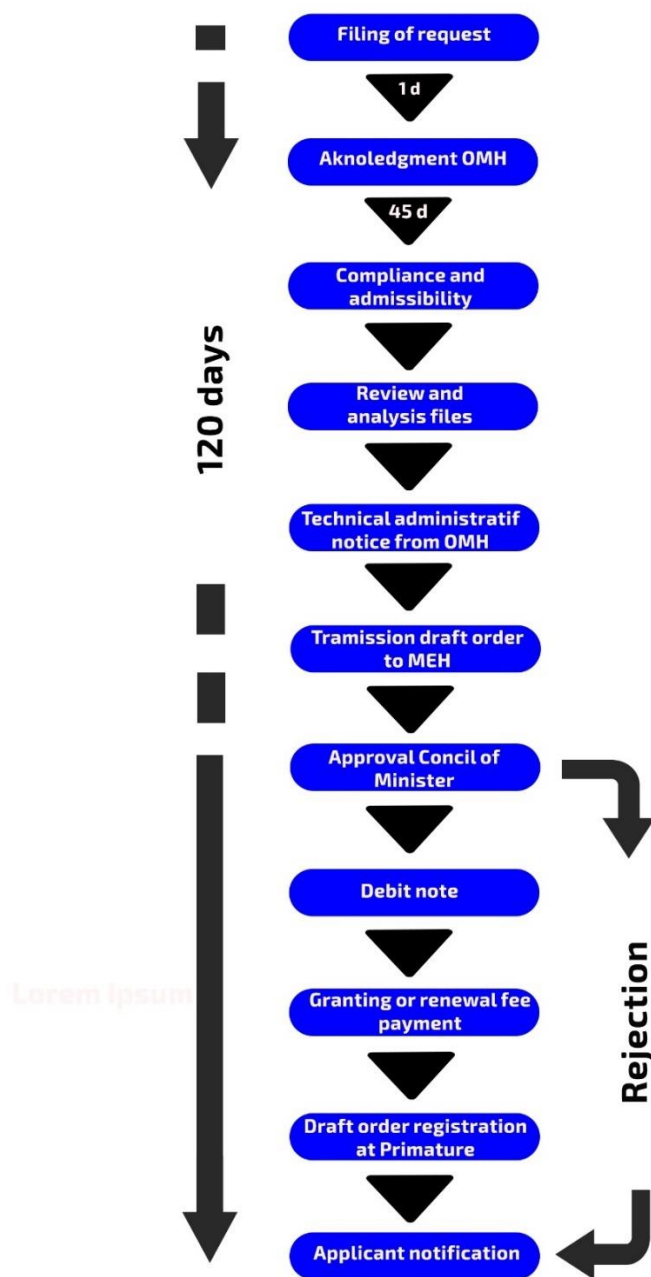
The undertaking of any activity related to the downstream petroleum sector requires a hydrocarbon exploitation license, granted by the Ministry of Energy and Hydrocarbons, and subject to payment of a grant/renewal fee according to the type of license requested.

Types of licenses	Grant fee (USD)	Validity	Renewal or transfer fee (USD)
HGLs import	400,000	7 years	450,000
Gas import	320,000	7 years	320,000
Lubricant import	125,000	5 years	80,000
Import of base oils and their components	80,000	7 years	40,000
Refineries	600,000	20 years	300,000
Road transport HGLs	320,000	5 years	360,000
Gas transport HGLs	560,000	15 years	750,000
Tankers transport HGLs	180,000	15 years	90,000
Railway transport HGLs	180,000	15 years	90,000
Pipeline transport HGLs	180,000	15 years	90,000
Fuel storage	1,200,000	10 years	1,185,000
Gas storage	250,000	10 years	660,000
Offshore HGLs storage	240,000	10 years	120,000
Fuel distribution	1,440,000	7 years	2,145,000
Jet distribution	960,000	7 years	240,000
Gas distribution	400,000	7 years	450,000
Oil export	80,000	7 years	450,000
Blending	100,000	10 years	80,000
Export of base oils, their components, and lubricants.	80,000	7 years	40,000

Note: Amount of the grant, renewal, and transfer fees, expressed in USD, must be converted in the equivalent amount in Ariary.

c. License application

The submitted files must comply with (art. 6 and appendix 1/1bis) of Decree No. 2004-669 of June 29, 2004, as per latest amendment.



license application procedure

Note: If one of the documents is missing, the applicant has 10 days from the date of filing to regularize his situation; otherwise, the application will be rejected.

The delay of license application depends on the processing time by MEH and the Prime Minister's office.

The Madagascar Commercial Information Portal (PICM) is another way to view information on license application procedures online.

It is a digital tool for operators wishing to import so that they can find all the necessary information for obtaining an import license for hydrocarbons.

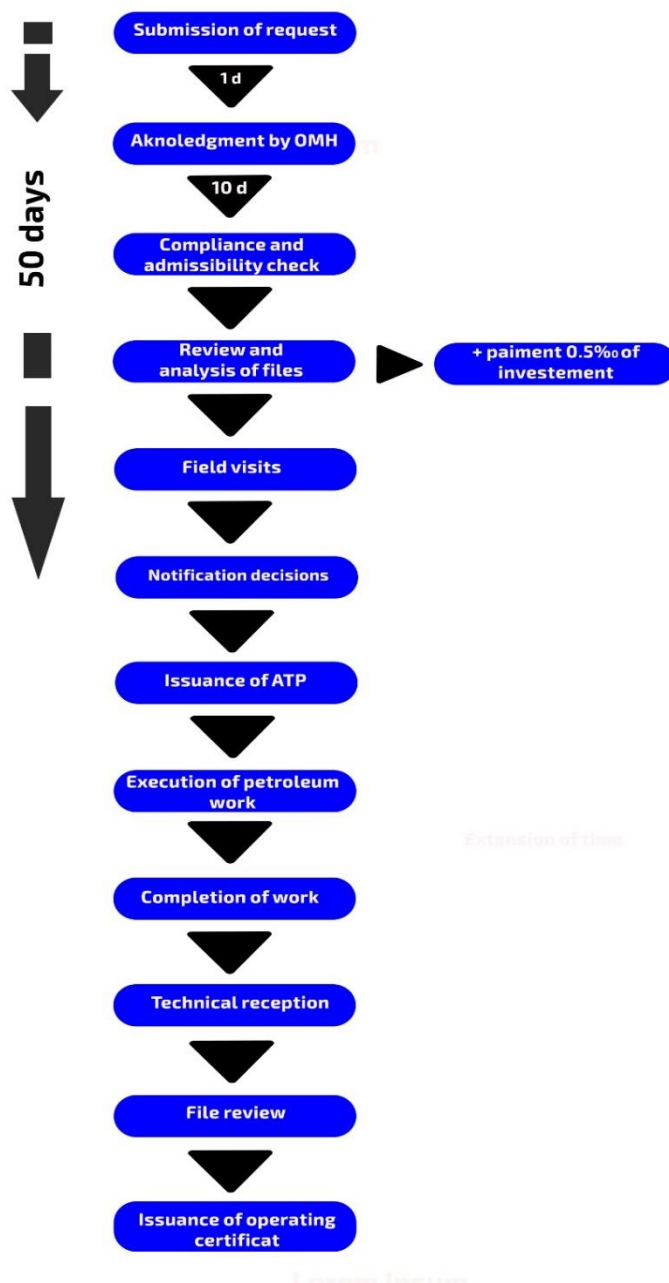
Website: www.pic.commerce.mg

2. Principals legislative and regulatory texts

a. Oil Works Authorization (ATP)

Any construction and/or modification of oil facilities must be submitted for studies and authorization from OMH. Only license holders are authorized to carry out oil works.

The files provided for Oil Works Authorization must comply with (art. 21 and appendix 3) of Decree No. 2004-669 of June 29, 2004, as per the latest modification.



ATP application procedure

Note: If one of the documents is missing, the applicant has 10 days from the date of filing to complete his situation; otherwise, the application will be rejected.

b. Environmental and Social Impact Assessment (ESIA) and Environmental and Social Commitment Program (ESCP).

• Environmental and Social Impact Assessment (ESIA)

Any project involving the storage of petroleum products and derivatives or natural gas with a combined capacity of more than 500 m³ is subject to an Environmental and Social Impact Assessment, in accordance with Decree No. 99-954 of 15 December 1999, as amended by Decree No. 2025-080 of 28 January 2025 relating to the Environmental Compatibility of Investments (MECIE).

In such cases, this study is a prerequisite for obtaining a Petroleum Works Authorization.

Projects are classified into three categories according to their potential environmental impact:

Category A : Projects with significant negative impacts, requiring a comprehensive ESIA.

Category B : Projects with moderate impacts, for which a simplified ESIA may be required.

Category C : Projects with low or negligible impacts, exempt from ESIA.

This categorization is determined by the National Office for the Environment (ONE) during the project's pre-screening phase.

• Environmental and Social Commitment Program (ESCP)

All gas station construction project must comply with an Environmental and Social Commitment Program (ESCP), in accordance with Decree No. 99-954 of 15 December 1999, amended by Decree No. 2025-080 of 28 January 2025 relating to the Environmental Compatibility of Investments (MECIE).

The Malagasy Office for Hydrocarbons (OMH) can only rule on the Petroleum Works Authorization (ATP)

Prior to issuing a petroleum work permit, an environmental permit must be obtained for projects requiring an Environmental and Social Impact Assessment, or an environmental authorization must be secured for those under an Environmental and Social Commitment Program.

c. Technical and standards for oil facilities

Petroleum facilities and equipment, as well as the processes and methods used throughout all levels of the supply chain, must comply with the technical specifications, norms, and standards issued by the OMH.

d. Specifications and quality of oil products

Products marketed within the territory must comply with the applicable specifications. Regular, unannounced inspections are conducted across the supply chain. Investigations are initiated when quality fraud is suspected or in response to public complaints or reports. Penalties will be enforced for violations.

e. Free access system

Infrastructure for storing and transporting products in bulk is managed as shared facilities, adhering to open access principles and available non-discriminatorily to all licensed hydrocarbon operators, excluding airport depots.

f. Security and continuity of supply

Holders of storage licenses are required to maintain, at all times and in each district defined by the OMH, an average storage capacity at least equal to one-twelfth of the total quantity of products stored or marketed in the corresponding district during the previous year.

The holder of a distribution license must maintain, in each district, a 21-day security stock and an operational stock of each product it markets.

g. National coverage

Any person intending to engage in distribution activities must commit to building a network with at least one point of sale to the public in each district defined by the OMH over a period of four years, with half of the network to be completed within two years.

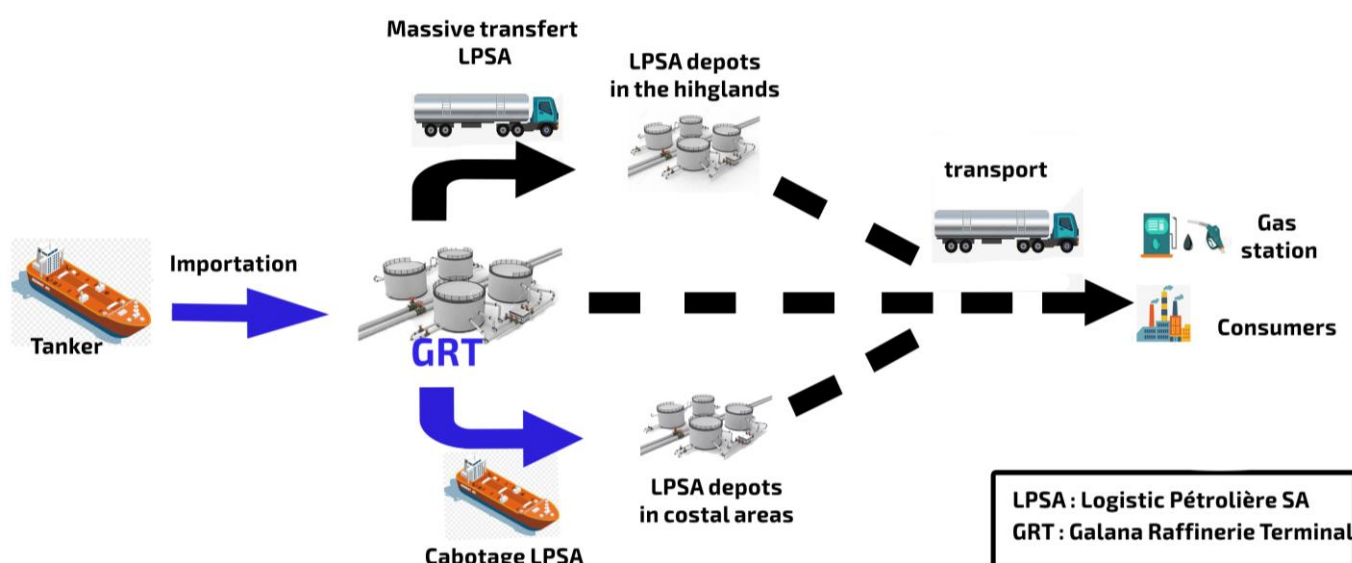
h. Fuel and gas prices

In general, product prices and margins are freely determined by license holders according to the principle of supply and demand. However, gasoline, kerosene, and diesel are subject to price regulation, with prices set by a decree issued semi-annually since 2013.

i. Equalization system

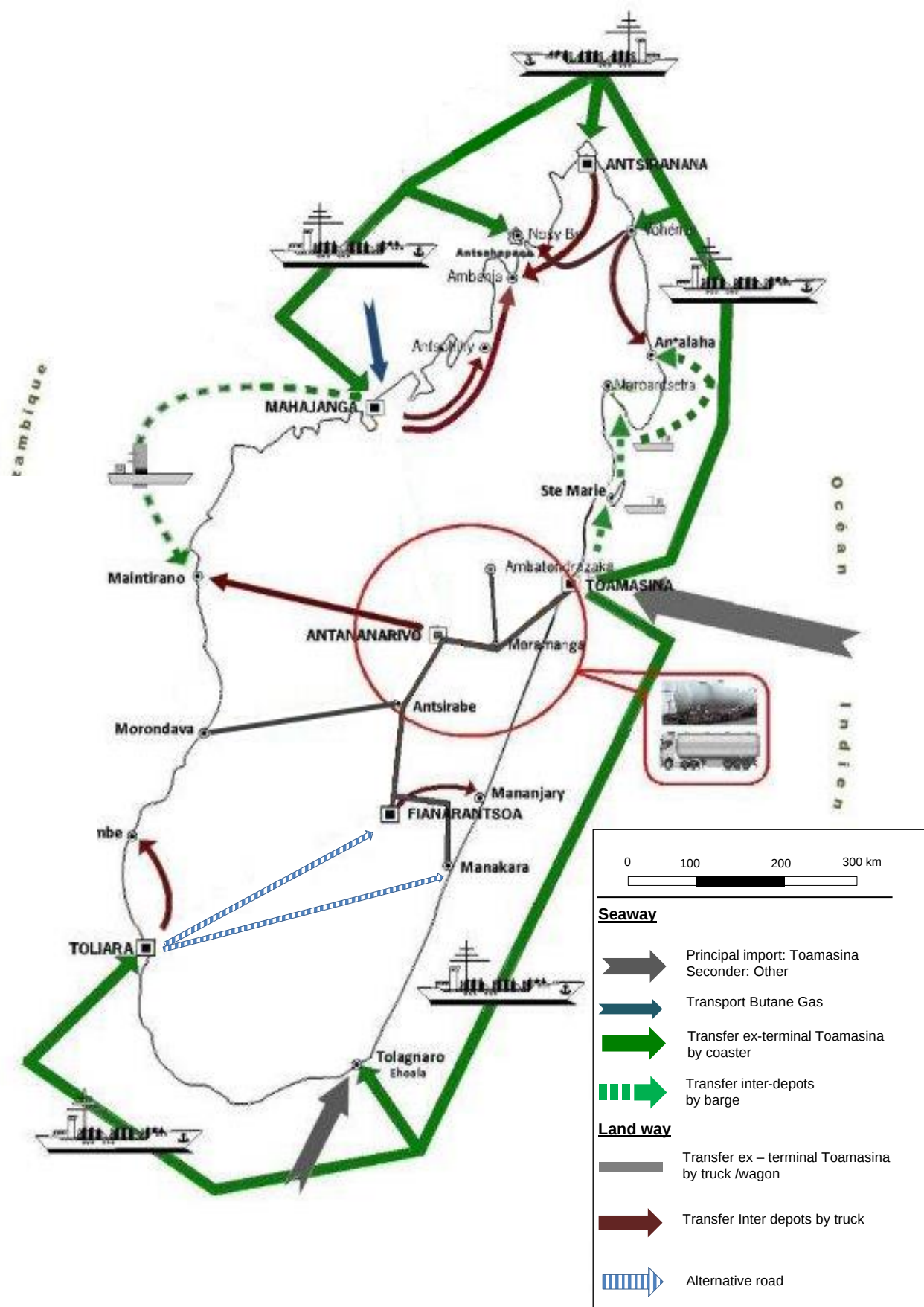
The following products — gasoline, kerosene, and diesel — are subject to the equalization system. This system applies to all holders of import or distribution licenses and is based on the principle of uniform setup costs (storage and bulk transportation) for the aforementioned products for each importer or distributor throughout the national territory.

3. Downstream oil process



1. Product reception at the terminal (storage).
2. Transport of the product to petroleum logistics depots (via tanker trucks and tank wagons to highland and certain coastal depots, or by coastal shipping to other coastal depots) or direct delivery to customers (sales points or consumers) by distributors.
3. Storage of the product in LPSA depots as needed, with potential further transport to another depot.
4. Sale of the product by distributors at sales points or directly to consumers

4. Fuel dispatch



Update : 15/06/25

The Toamasina Terminal, as the main port of Madagascar with oil infrastructure and sufficient storage capacity, serves as the principal reception depot for imported products. However, other imports (especially Gas-Oil, Fuel-Oil, and Jet Fuel) are occasionally made at secondary ports, such as Mahajanga, Antsiranana, Nosy-Be, and Taolagnaro.

LPSA is the responsible for shipping the fuel and follows this step:

For the highlands (Antananarivo, Antsirabe, Fianarantsoa, Morondava, Manakara, and Ambatondrazaka), the supply is ensured by truck and tanker railways.

For the North and South parts, the products are transferred from the Toamasina terminal to the coastal depots by two barges (Tsaravatsy and Avisoa).

Transfers to remaining locations (Maintirano, Sainte-Marie, Maroantsetra, and Antalaha) are ensured by barges (Prestige IV, Barge Express, Alovo et Dynasty).

For eventual incidents (barge arrivals, technical dysfunctions) occasional supplies are delivered between certain depots.

It is worth noting that the above-described supply chain mainly concerns high-consumption products: Unleaded 95, kerosene, diesel and fuel-oil. There are specific chains for gas and jet.

5. Downstream oil and gas main regulation

- Law No. 99/010 of April 17, 1999 regulating the downstream oil sector, as amended by Law No. 2004/003 of June 24, 2004, liberalizing the downstream oil sector (Official Journal No. 2911 of June 28, 2004).
- Law No. 2004/031 of September 30, 2004, relating to the sanctions and recording of offenses under the Laws on activities in the downstream oil sector (Official Journal No. 2941 of November 22, 2004)
- Decree No. 2004/328 of March 16, 2004, regulating the fuelling of ships with oil products
- Decree No. 2004/669 of June 29, 2004 (OJ No. 2937 of November 1, 2004), last amended by Decree No. 2022/297 of March 9, 2022, implementing Law No. 99/010 of April 17, 1999, as amended.
- Decree No. 2008/095 of February 15, 2008, implementing certain provisions of Law No. 2004/031 of September 30, 2004, and setting out the modalities for the distribution of fines and the sale of confiscated products.
- Decree No. 2018/261 of March 27, 2018, setting the status and attributions of OMH.
- Order No. 2924/2000 of March 24, 2000, setting the specifications relating to the common provisions for hydrocarbon exploitation licenses (OJ No. 2650 of July 24, 2000), amended by Orders No. 5003/2004 of March 8, 2004, and No. 48705/2009 of October 26, 2009.
- Order No. 5412/2001 of May 8, 2001, delimiting the oil districts.
- Order No. 5413/2001 of May 8, 2001, granting free access to essential infrastructure (OJ No. 2753 of December 24, 2001).
- Order No. 5414/2001 of May 8, 2001, on the equalization system for the transition to the logistics system (OJ No. 2753 of December 24, 2001), amended by Order No. 3333/2004 of January 29, 2004.
- Order No. 12697/2003 of August 19, 2003, setting the distribution methods and the operation mode of oil product sales points (OJ No. 2898 of April 12, 2004).
- Order No. 24537/2004 of December 21, 2004, setting the specifications for commercial Butane
- Order No. 1317/2006 of January 30, 2006, regulating the construction and operation of service stations
- Order No. 2725/2008 of February 1, 2008, setting the specifications for premium unleaded fuel 95
- Order No. 7161/2009 of August 24, 2009, modifying and clarifying certain provisions of the Order No. 1317/2006 of January 30, 2006.

- Interministerial Order No. 49773/2009 of November 29, 2009, setting the rules for the acceptance of hydrocarbon transport vessels in essential infrastructure
- Order No. 1154/2010 of February 23, 2010, setting the map for the geographical orientation and distribution of offshore hydrocarbon storage deposits on national territory.
- Order No. 22808/2011 of July 25, modifying and completing Decree No. 7161/2009 of August 24, 2009, and establishing the Oil Technical Committee.
- Order No. 4865/12 of March 22, 2012, amended by Order No. 8583 of May 3, 2012, specifying the specifications of diesel fuel.
- Order No. 8583/12 of May 3, 2012, amending Order No. 4865/12 of March 22, 2012, setting the specifications for diesel and authorizing the commercialization of this product in the national territory.
- Order No. 6149/2013 of March 20, 2013 setting the specifications of kerosene (pétrole lampant).
- Order No. 10334/2018 of April 26, 2018, specifying the procedures for the collection and recovery of rights and duties owed to the Malagasy Office of Hydrocarbons.
- Order No. 30600/2015 of October 2, 2015, setting the specifications of Fuel-Oil180
- Order No. 19741/2019 of September 11, 2019, setting the specifications for Fuel-Oil 380
- Order No. 19742/2019 of September 11, 2019, setting the specifications for Fuel-Oil 380 Marine
- Note No. 080/08 of January 30, 2008, relating to the permanent closures of fuel sales points.
- Note No. 309/08 of April 3, 2008, setting the conditions for the delivery of fuels by refueling trucks to approved consumers and resellers
- Note No. 535/18 of August 01, 2018, relating to the verification of the flow rates of distribution devices.
- Note No. 001/25/OMH/DG of 06 January 2025 establishing the standards and references relating to the methods of measuring the quantity of imported petroleum products

Updated: 20/05/25

6. Oil operators list

TYPE OF LICENSES	HOLDERS	EFFECTIVE DATE	MINISTERIAL ORDER REFERENCE	VALIDITY (YEARS)	EXPIRATION DATE
HGLs import	JOVENA	06/23/2014	21837/2014	7	06/22/2021
	GALANA	03/02/2015	23965/2015		03/01/2022
	VIVO ENERGY	03/02/2015	23723/2015		03/01/2022
	TOTALENERGIES	03/02/2015	23967/2015		03/01/2022
	JIRAMA	04/26/2019	8779/2019		06/25/2026
Gas Import	VITOGAZ	03/02/2015	23966/2015	7	03/01/2022
Lubricants Import	ALPA	09/27/2022	25247/2022	5	09/26/2027
	DESIGN AUTO	09/27/2022	25246/2022		09/26/2027
	DIN AUTO	09/27/2022	25248/2022		09/26/2027
	GDP	04/26/2023	15444/2023		04/25/2028
	IMEXPORT	09/27/2022	25249/2022		09/26/2027
	LIQUI MOLY	09/27/2022	25250/2022		09/26/2027
	MANAMBINTANA	09/27/2022	25245/2022		09/26/2027
	MILLEIS MOTORS	02/15/2023	3641/2023		02/14/2028
	VIVO ENERGY	01/30/2023	1914/2023		01/29/2028
	OCEAN TRADE	09/27/2022	25251/2022		09/26/2027
	UCODIS	09/27/2022	25244/2022		09/26/2027
	TOTALENERGIES	04/26/2023	15443/2023		04/25/2028
	STAR	06/27/2025	16977/2025		06/25/2030
Import of base oils and their components	MOCO	03/02/2015	23724/2015	7	03/01/2022
Road transport HGLs	GALANA	06/23/2015	23714/2015	5	06/22/2020
	JOVENA	07/14/2015	23715/2015		07/13/2020
	TOTALENERGIES	07/14/2015	23713/2015		07/13/2020
	VIVO ENERGY	07/14/2015	23722/2015		07/13/2020
	LPSA	05/08/2016	2821/2017		07/05/2021
	JIRAMA	04/26/2019	8780/2019		04/25/2024
Gas transportation	VITOGAZ	08/17/2015	28148/2015	15	08/16/2030
Tankers transport HGLs	LPSA	08/05/2016	2820/2017	15	05/07/2031

TYPES OF LICENSES	HOLDERS	EFFECTIVE DATE	MINISTERIAL ORDER REFERENCE	DURATION VALIDITY (YEARS)	DATE EXPIRATION
Railway transport HGLs	LPSA	08/05/2016	2820/2017	15	05/07/2031
Pipeline transport HGLs	GRT	06/23/2015	23716/2015	15	06/22/2030
	VITOGAZ	08/17/2015	28148/2015		08/16/2030
	LPSA	05/08/2016	2820/2017		05/07/2031
Fuel storage	GRT	06/23/2010	32312/2010	10	06/22/2020
	LPSA	08/05/2011	32436/2013		07/05/2021
Gas storage	VITOGAZ	08/05/2011	2184/2013	10	04/08/2021
Fuel Distribution	JOVENA	06/23/2014	21837/2014	7	06/22/2021
	GALANA	03/02/2015	23965/2015		03/01/2022
	VIVO ENERGY	03/02/2015	23723/2015		03/01/2022
	TOTALENERGIES	03/02/2015	23967/2015		03/01/2022
Jet distribution	TOTALENERGIES	03/02/2015	23967/2015	7	03/01/2022
Gas distribution	GALANA	03/02/2015	23965/2015	7	03/01/2022
	MOCOH GAS	03/01/2015	23721/2015		02/28/2022
	VIVO ENERGY	03/02/2015	23723/2015		03/01/2022
	VITOGAZ	03/02/2015	23966/2015		03/01/2022
Oil export	GALANA	03/02/2015	23965/2015	7	03/01/2022
	VIVO ENERGY	03/02/2015	23723/2015		03/01/2022
	TOTALENERGIES	03/02/2015	23967/2015		03/01/2022
	VITOGAZ	03/02/2015	23966/2015		03/01/2022
Blending	MOCO	01/17/2011	3652/2011	10	01/16/2021

Updated: 05/20/25

7. Approved service providers list

Field of Intervention	Company Name	Authorization Date	Expiration Date
Pipe Installer	MEI (Madagascar Equipements Industriels)	20/11/2020	20/11/2025
	CIMELTA	21/12/2020	21/12/2025
	OTI (Ouvrage des Travaux Industriels)	21/12/2020	21/12/2025
	SOMAP	19/10/2020	19/10/2025
	FLUID EVENT	19/07/2022	19/07/2027
	EMIP	28/10/2020	28/10/2025
	PMS (Petroleum Maintenance Service)	08/09/2023	08/09/2028
	SECREN	18/06/2020	18/06/2025
	BT and Partners Consulting (SARLU)	17/05/2024	16/12/2029
	UMS LABO-MECA	18/11/2022	18/11/2027
	MGS	13/07/2021	13/07/2026
	MECAPRO	22/12/2021	22/12/2026
	T-Project	11/11/2024	11/11/2029
	Genie AL- Petrol Piping, Automation, Engineering	12/01/2024	12/01/2029
	AIMSS Sarl	03/12/2024	03/12/2029
Pipe Inspector	APAVE	27/01/2021	27/01/2026
	SOCOTEC	23/02/2022	23/02/2027
	EMIP	27/01/2020	27/01/2025
	SGS Madagascar	11/02/2020	11/02/2025
	RD Consulting	16/02/2024	16/02/2029
	PMS (Petroleum Maintenance Service)	04/02/2025	04/02/2030
	LABOTECH	25/04/2025	25/04/2030
Electric Installer	CONSTRUCT	24/01/2024	24/01/2029
	CIMELTA	21/12/2020	21/12/2025
	FLUID EVENT	19/07/2022	19/07/2027
	GUILMANN	18/10/2020	18/10/2025
	SOMAP	19/10/2020	19/10/2025
	VOLTA	01/09/2020	01/09/2025
	SECREN	18/06/2020	18/06/2025
	EMIP	28/10/2020	28/10/2025
	BT and Partners Consulting (SARLU)	17/05/2024	16/12/2029
	MEI (Madagascar Equipements Industriels)	20/11/2020	20/11/2025
	MGS	13/07/2021	13/07/2026
	MECAPRO	22/12/2021	22/12/2026
	SOLARMA	06/05/2022	06/05/2027
	NEA – Electricité De Madagascar	01/07/2022	01/07/2027
	POWER PLUS	29/09/2022	29/09/2027
	ANKA Madagascar SARL	08/06/2023	08/06/2028
	EGEDEC	21/11/2023	21/11/2028
	PMS (Petroleum Maintenance Service)	08/09/2023	08/09/2028
	QUALIBAT SARL	02/08/2024	02/08/2029
	T-Project	11/11/2024	11/11/2029
	Ingénierie Expertise	03/12/2024	03/12/2029

Electric Inspector	ASSEL MADA	10/11/2020	10/11/2025
	APAVE	27/01/2021	27/01/2026
	SGS Madagascar	22/12/2023	22/12/2028
	SOCOTEC	23/02/2022	23/02/2027
	RD Consulting	08/12/2023	08/12/2028
Solar Installer	GUILMANN	18/10/2020	18/10/2025
	CAMUSAT	22/12/2021	22/12/2026
	UMS LABO-MECA	21/01/2022	21/01/2027
	SOLARMA	06/05/2022	06/05/2027
	ANKA Madagascar SARL	08/06/2023	08/06/2028
	NEA – Electricité De Madagascar	01/07/2022	01/07/2027
	T-Project	11/11/2024	11/11/2029
Tank Manufacturer	CONSTRUCT	24/01/2024	24/01/2029
	CIMELTA	21/12/2020	21/12/2025
	OTI (Ouvrage des Travaux Industriels)	21/12/2020	21/12/2025
	UMS LABO-MECA	28/01/2021	28/01/2026
	SOMETO	19/11/2020	19/11/2025
	SECREN	18/06/2020	18/06/2025
	BT and Partners Consulting (SARLU)	17/05/2024	16/12/2029
	T-Project	11/11/2024	11/11/2029
Tank Inspector	SOCOTEC	23/02/2022	23/02/2027
	APAVE	27/01/2021	27/01/2026
	SGS Madagascar	11/02/2020	11/02/2025
	RD Consulting	11/09/2020	11/09/2025
	FLUID EVENT	19/07/2022	19/07/2027
	PMS (Petroleum Maintenance Service)	08/09/2023	08/09/2028
	EMIP	28/10/2020	28/10/2025
	LABOTECH	25/04/2025	25/04/2030
Hydrocarbon Waste Treatment and Valorization	FLUID EVENT	19/07/2022	19/07/2027
	ADONIS	20/10/2020	20/10/2025
	ECO ENERGY	22/02/2022	22/02/2027
	YRR (Yuanchuang Recycling Ressources)	05/06/2023	05/06/2028
Tank/Separator Cleaning	EMIP	27/01/2020	27/01/2025
	SPE	01/12/2020	01/12/2025
	ADONIS	20/10/2020	20/10/2025
	MPS (Madagascar Petro Service)	11/12/2023	11/12/2028
	PMS (Petroleum Maintenance Service)	08/09/2023	08/09/2028
	FLUID EVENT	19/07/2022	19/07/2027
Hydrocarbon separator manufacturer	ENERGY FD	15/02/2024	15/02/2029
Service Station vent installer	SOMETO	19/11/2020	19/11/2025
Mobile Tank Technical Inspection	APAVE	27/01/2021	27/01/2026
	MADAUTO	16/03/2022	16/03/2027
Piezometer installation and water well drilling	BUSH PROOF	11/04/2025	11/04/2030

NB : Authorizations from OMH are valid for five (05) years for each company.

Updated: 05/20/25

8. National oil statistics from 2020 to 2024

Volume : in m³ except gas TM

Source: Oil storage tank discharges for delivery, including bunker

Forecast

	2020	%var	2021	%var	2022	%var	2023	%var	2024	%var	2025	%var
	19/20		19/20		21/22		22/23		23/24		fin déc	24/25
Local Market												
GAZ (T)	9 876	-34%	14 532	+47%	16 157	+11%	16 058	-1%	17 073	+6%	17 838	4%
EA	181	-38%	292	+61%	360	+23%	248	-31%	305	+23%	277	-10%
JET	23 045	-69%	20 101	-13%	46 305	+130%	51 303	+11%	55 748	+9%	58 787	5%
SC	151 813	-11%	168 128	+11%	174 543	+4%	175 980	+1%	191 405	+9%	206 390	7%
ET	-	-	-	-	-	-	-	-	-	-	-	-
PL	34 213	+15%	43 283	+27%	49 817	+15%	54 848	+10%	69 033	+26%	60 418	-14%
GO	533 002	-15%	653 467	+23%	734 429	+12%	699 138	-5%	707 433	+1%	750 486	6%
FO	202 952	-1%	227 577	+12%	181 042	-20%	170 455	-6%	198 831	+17%	207 750	4%
NAPHTA	9 404	-75%	30 421	+224%	34 716	+14%	36 084	+4%	32 386	-10%	30 986	-5%
SUM	964 484	-17%	1 157 800	+20%	1 237 370	+7%	1 204 113	-3%	1 272 213	+6%	1 317 602	+3%
EXPORTATION												
GAZ (T)	303	-48%	736	+143%	658	-11%	884	+34%	901	+2%	1008	+12%
SUM	303	-48%	736	+143%	658	+3%	758	+15%	901	+2%	1 008	+12%
IMPORTATION												
GAZ (T)	11 001	-35%	17 401	+58%	16 113	-7%	19 895	+23%	17 462	-12%	17 579	+1%
EA	-	-	-	-	-	-	-	-	-	-	-	-
JET/DPK	61 971	-37%	63 673	+3%	105 211	+88%	93 237	-11%	131 647	+41%	138 426	+5%
SC	161 311	-11%	163 777	+2%	171 597	+5%	146 125	-15%	189 147	+29%	204 798	+8%
ET	-	-	-	-	-	-	-	-	-	-	-	-
PL	-	-	-	-	-	-	-	-	-	-	-	-
GO	548 044	-16%	635 483	+16%	709 160	+10%	608 278	-14%	677 640	+11%	747 752	+10%
FO	188 346	-17%	208 791	+11%	172 155	-18%	177 187	+3%	170 835	-4%	187 537	+10%
NAPHTA	14 047	-54%	14 602	+4%	48 843	+235%	35 318	-28%	33 627	-5%	33 792	-
SUM	984 720	-18%	1 103 725	+12%	1 223 079	+11%	1 080 040	-12%	1 220 357	+13%	1 329 883	+9%
STOCKS FINALS												
	volumes	day	volumes	day	volumes	day	volumes	day	volumes	day	volumes	day
GAZ (T)	1 293	52 d	2 047	43 d	568	52 d	1 030	43 d	778	16 d	800	15 d
EA	56	55 d	37	33 d	184	55 d	143	33 d	79	87 d	90	99 d
JET	11 470	169 d	5 635	64 d	13 244	169 d	10 924	64 j	13 208	81 d	13 300	75 d
SC	12 192	23 j	20 508	36 d	19 871	23 d	21 586	36 d	19 201	31 d	19 300	25 d
ET	-	-	-	-	-	-	-	-	-	-	-	-
PL	6 232	71 j	6 128	38 d	7 366	71 d	5 173	38 d	9 271	47 d	9 300	35 d
GO	59 269	32 j	77 491	36 d	64 589	32 d	96 266	36 d	77 664	36 d	80 000	37 d
FO	24 698	36 j	21 675	31 d	16 018	36 d	25 215	31 d	19 403	27 d	15 000	21 d
NAPHTA	22 635	-	6 700	-	5 518	-	19 912	-	21 380	41 d	18 500	36 d
SUM	137 844	36 d	140 221	36 d	127 356	36 d	180 250	36 d	160 984	-	156 290	-

Updated: 08/04/25

9. Fuel pump prices from 2014 to 2025

Price including VAT in Ariary/L

DATE			GASOLINE Ariary/L		PETROLE Ariary/L		DIESEL Ariary/L	
2014	Thu.	23-Jan	↑	3 560	↑	2 355	↑	2 860
	Mon.	21-Jul	↑	3 630	↑	2 410	↑	2 940
	Sun.	28-Dec	↑	3 700	↑	2 460	↑	3 000
2015	Fri.	27-Feb	↓	3 580	↓	2 310	↓	2 950
	Sun.	28-Jun	↑	3 730	↑	2 410	↑	3 150
	Wed.	25-Nov	↓	3 700	↓	2 380	↑	3 170
2016	Fri.	15-Jan	↓	3 550	↓	2 320	↓	3 090
	Thu.	11-Feb	↓	3 460	↓	2 110	↓	2 810
	Tue.	1-Mar	↓	3 340	↓	1 900	↓	2 540
	Fri.	1-Apr	↓	3 290	↑	1 980	↑	2 620
	Sat.	7-May	↑	3 390	↑	2 050	↑	2 720
	Tue.	7-Jun	↑	3 580	↑	2 160	↑	2 860
	Fri.	1-Jul	↑	3 730	↑	2 310	↑	3 010
	Thu.	1-Sep	↓	3 630	↓	2 230	→	3 010
	Sat.	1-Oct	↓	3 480	↓	2 130	↓	2 910
	Tue.	1-Nov	↑	3 560	↑	2 210	↑	2 990
2017	Thu.	1-Dec	↑	3 640	↑	2 290	↑	3 070
	Sun.	1-Jan	↑	3 720	↑	2 370	↑	3 150
	Wed.	1-Feb	↑	3 880	→	2 370	↑	3 270
	Sat.	4-Feb	↓	3 720	→	2 370	↓	3 150
	Wed.	1-Mar	↑	3 800	→	2 370	↑	3 230
	Sat.	1-Apr	↑	3 840	→	2 370	↑	3 260
	Mon.	1-May	↑	3 870	→	2 370	↑	3 300
	Sat.	1-Jul	↓	3 800	↓	2 300	↓	3 230
	Tue.	1-Aug	↓	3 700	↓	2 200	↓	3 130
	Fri.	1-Sep	↓	3 650	↓	2 180	↓	3 000
	Sun.	1-Oct	↑	3 670	↑	2 200	↑	3 020
	Wed.	1-Nov	↑	3 750	↑	2 280	↑	3 100
2018	Fri.	1-Dec	↑	3 840	↑	2 370	↑	3 190
	Thu.	1-Mar	↑	3 930	↑	2 400	↑	3 280
	Mon.	9-Apr	↑	4 000	↑	2 430	↑	3 350
	Fri.	15-Jun	↑	4 050	↑	2 480	↑	3 400
	Wed.	1-Aug	↑	4 100	↑	2 530	↑	3 450
	Wed.	12-Sep	↑	4 150	↑	2 580	↑	3 500
2019	Tue.	4-Dec	↑	4 200	↑	2 630	↑	3 550
	Thu.	20-Jun	↓	4 100	↓	2 130	↓	3 400
2022	Mon.	11-Jul	↑	5 900	↑	2 430	↑	4 900
2025	Sat.	18-Janv.	↓	5 700	→	2 430	↓	4 760
	Wed.	5-Feb	↓	5 500	↑	2 630	↑	4 890
	Wed.	5-Mar	↓	5 320	↑	2 830	↑	4 970
	Sat.	5-Apr	→	5 320	↑	3 030	→	4 970
	Mon.	5-May	↑	5 510	↑	3 230	↑	5 170
	Sun.	1-Jun	↑	5 520	↑	3 430	↓	5 100
	Tue.	1-Jul	↓	5 320	↓	3 380	↓	4 900
	Thu.	1-Aug	↓	5 120	↓	3 210	↓	4 700
	Mon.	1-Sep	↓	5 090	↑	3 380	↓	4 530
	Sun.	5-Oct	↓	5 060	↑	3 470	↑	4 700
	Sat.	1-Nov	→	5 060	↓	3 400	↓	4 550
2026	Wed.	5-Dec	↑	5 170	↑	3 490	↑	4 660
	Mon.	5-Jan	↓	4 970	↑	3 520	↑	4 670

Nb: Prices of petroleum products currently in effect

11. Evolution of FOB JET prices from 2020 to 2024 (USD/TM)

Month	2020	2021	2022	2023	2024
January	571.51	444.28	736.94	859.56	751.82
February	478.90	500.06	819.55	800.53	765.24
March	284.62	509.26	1022.60	736.07	760.31
April	121.37	508.00	1029.23	718.78	764.99
May	187.82	550.40	1081.81	658.97	704.26
June	309.87	584.28	1247.94	675.61	721.33
July	334.19	595.04	1020.41	747.89	735.84
August	325.68	564.93	1000.59	881.36	690.17
September	296.26	612.00	907.30	929.54	633.36
October	315.08	715.51	942.16	855.51	663.38
November	345.92	684.36	909.43	805.19	676.48
December	406.55	638.81	810.68	762.53	665.69

12. Evolution of FOB HFO prices from 2020 to 2024 (USD/TM)

Month	2020	2021	2022	2023	2024
January	301.61	318.97	469.06	349.04	411.62
February	280.16	357.16	509.52	371.88	417.21
March	180.91	373.43	634.23	390.25	447.02
April	123.19	363.25	681.18	426.51	482.42
May	148.67	367.88	637.61	398.57	485.96
June	222.86	399.25	603.12	394.02	473.83
July	239.60	408.75	478.45	448.75	480.82
August	257.85	401.19	465.70	518.28	433.01
September	241.79	455.13	389.43	514.15	407.13
October	253.16	479.78	366.42	456.08	435.71
November	268.94	437.97	379.11	428.68	432.31
December	292.70	404.47	336.37	405.72	425.79

13. Evolution of Vitogaz bottle gas prices by Province

Gas bottle	4KG			9 KG			12 KG			39 KG		
Date	07/10/24	21/02/25	29/05/25	07/10/24	21/02/25	29/05/25	07/10/24	21/02/25	29/05/25	07/10/24	21/02/25	29/05/25
Antsiranana	39 000	41 000	45 000	95 200	100 000	108 000	130 400	138 000	148 000	423 100		474 000
Fianarantsoa	33 000	35 000	36 000	76 600	81 000	83 000	105 000	113 000	115 000	392 000	411 000	412 000
Mahajanga	29 500	30 000	31 000	66 000	66 000	69 000	91 500	96 000	98 000	391 000	410 000	410 000
Toamasina	33 000	35 000	36 000	76 600	81 000	83 000	105 000	113 000	116 000	391 000		410 000
Antananarivo	29 500	30 000	31 000	66 000	66 000	69 000	91 500	96 000	98 000	391 000	410 000	410 000
Toliara	35 000		36 000	82 600	87 000	83 000	115 000	121 000	116 000	424 800	445 000	410 000

Note: Price of the bottle in Ariary

Updated: 29 May 2025

14. Evolution of Moco Gas bottle gas Antananarivo

Date	6 KG	9 KG	12,5 KG	39 KG
01/01/2024	49 000	72 000	99 000	384 500
10/10/2024	52 000	75 000	104 000	388 000
21/02/2025	55 000	79 000	109 000	410 000
08/07/2025	57 000	81 000	113 000	410 000

Nb : Price of the bottle in Ariary

Mise à jour : 24/09/25

15. Share Capital and Shareholding Structure of Oil Companies in Madagascar

No.	Company	Share Capital (MGA)	Shareholders
1	GALANA DISTRIBUTION PETROLIERE (GDP)	15,209,200,000.00	- Government of Madagascar: 10.07% - GDP: 89.93%
2	TOTALENERGIES	14,956,152,000.00	- Government of Madagascar: 20.56% - Total Outre-Mer (TOM): 79.44%
3	VIVO ENERGY	3,600,000,000.00	- Vivo Energy Madagascar Holdings Ltd: 72% - Government of Madagascar: 20% - Société Financière de Belmonds Ltd: 8%
4	JOVENA MADAGASCAR	32,866,338,000.00	- Government of Madagascar: 6.12% - Jovena: 93.88%
5	GALANA RAFFINERIE TERMINAL	6,000,000,000.00	- Government of Madagascar: 10% - GRT: 90%
6	LOGISTIQUE PETROLIERE	19,889,380,000.00	- Government of Madagascar: 31% - Total Outre-Mer: 36% - Vivo Energy Madagascar Holdings Ltd: 33%

Updated: 05/06/25

16. Inter-Provincial Volumes Transported Between Depots

in m³ – excluding fuel supplied to service stations

Year	Means of transport	Jet	SP95	PL	GO	FO	Naphta	Total
2020	Road	22 000	92 255	18 687	279 621	163 908	-	576 471
	Rail	-	2 440	3 646	50 179	-	-	56 265
	Sea	627	44 594	6 356	169 718	17 232	-	238 527
	Pipeline	-	-	-	-	-	9 404	9 404
	Total	22 627	139 289	28 689	499 518	181 140	9 404	880 666
2021	Road	20 239	183 912	20 176	370 824	188 226	-	783 377
	Rail	-	3 672	4 633	106 599	-	-	114 904
	Sea	-	49 036	12 562	199 500	9 584	-	270 680
	Pipeline	-	-	-	-	-	30 130	30 130
	Total	20 239	236 619	37 370	676 923	197 809	30 130	1 199 090
2022	Road	39 907	103 228	16 139	290 821	148 340	-	598 434
	Rail	-	2 833	5 846	114 182	-	-	122 861
	Sea	5 010	49 126	14 729	229 564	7 492	-	305 922
	Pipeline	-	-	-	-	-	33 116	33 116
	Total	44 917	155 187	36 714	634 567	155 833	33 116	1 060 334
2023	Road	44 169	101 642	19 153	246 032	129 913	-	540 910
	Rail	-	3 297	5 349	138 648	-	-	147 294
	Sea	6 244	55 562	17 956	214 096	16 482	-	310 339
	Pipeline	-	-	-	-	-	32 708	32 708
	Total	50 413	160 501	42 458	598 775	146 395	32 708	1 031 250
2024	Road	45 962	109 376	27 411	238 983	152 853	-	574 586
	Rail	-	3 728	6 774	151 098	-	-	161 599
	Sea	10 533	56 859	21 178	192 299	14 593	-	295 461
	Pipeline	-	-	-	-	-	27 887	27 887
	Total	56 496	169 963	55 362	582 380	167 446	27 887	1 059 534

Note: These volumes correspond solely to inter-depot transfers. Volumes delivered directly to service stations are not included, except for Fuel Oil (FO), which may occasionally be delivered directly to JIRAMA.

Updated: 05/06/25

15. Taxation on fuel prices

a. Taxation (Ar/l)

• TPP

Period	Obs.	GAZ	SP95	PL	GO	JET	FO
Since 09-Jan-06	LF2006	15	390	10	120	10	20
Since 01-Jan-18	LF2018	123	503	10	228	118	128

• TVAPP

Period	GAS	SP95	PL	GO	JET	FO
2006	18%	18%	0%	18%	18%	18%
2008	20%	20%	0%	20%	20%	20%
2021	5%	20%	0%	20%	20%	20%
LFR 2022	5%	15%	0%	15%	20%	20%
LFR 2023	5%	20%	0%	20%	20%	20%
LFR 2024	5%	20%	0%	20%	20%	20%
LFI 2025	10%	20%	0%	20%	20%	20%

b. Parafiscality

• OMH fee

Rates as of January 2018: 8.6 Ariary per Kg for gas; 8.6 Ariary per liter for other products (SP95, PL, GO, FO, JET, Naphtha, Avgas)..

• Environment charge

Rates since 2000:

1Ariary/L for SP95, PL, GO, applied to quantities based on OMH fee

• Charge for Road Maintenance (RER)

Rate (Ar/L)	SP95	PL	GO	Lubricants
2010-2018	288	-	129	1%
Starting from 2019	288	-	134	1%

For lubricants:

- Imported: 1% on the CAF value of the products, including import tax.
- Locally manufactured: 1% on the selling price ex-factory including customs duties.

• Sector Development Fee

Rates fixed since October 2018 (MEH fee): SP95 = 10 Ar/L, GO = 10 Ar/L

c. Service

- Port dues (SPAT): Since 2019 - 4.2 Ar/L
- GasyNet inspection fees: Since 2019 - \$0.5/MT
- Discharging fees: 13 Ar/L

Updated: 15/06/25

16. Oil and gas facilities

a. Gas stations

Province	Region	Galana	Jovena	TotalEnergies	Vivo	Cumul general
Antananarivo	Analamanga	24	33	26	27	110
	Bongolava	1	1	1	1	4
	Itasy	2	3	3	3	11
	Vakinankaratra	4	9	6	6	25
Sub total		31	46	36	37	150
Antsiranana	Diana	5	7	5	5	22
	Sava	3	6	3	4	16
Sub total		8	13	8	9	38
Fianarantsoa	Amoron'i Mania	1	3	1	1	6
	Atsimo Atsinanana		2	1	1	4
	Fitovinany	1	2	1	1	5
	Haute matsiatra	2	3	4	3	12
	Ihorombe	1	3	1	1	6
	Vatovavy		2	1		3
Sub total		5	15	9	7	36
Mahajanga	Betsiboka		1	1	1	3
	Boeny	6	5	3	3	17
	Melaky		1			1
	Sofia	2	5	2	4	13
Sub total		8	12	6	8	34
Toamasina	Alaotra Mangoro	3	7	3	4	17
	Ambatosoa		1			1
	Atsinanana		3			3
Sub total		3	11	3	4	21
Toamasina	Ambatosoa			1	1	2
	Analanjorofo	1	1	1	2	5
	Atsinanana	5	6	6	5	22
Sub total		6	7	8	8	29
Toliara	Androy		1			1
	Anosy	1	2	2	2	7
	Atsimo Andrefana	5	6	3	2	16
	Menabe	4	3	1	1	9
Sub total		10	12	6	5	33
Cumul général		71	116	76	78	341

Update: Jan 14, 2025

b. LPSA depots – (excluding GRT)

Province	Region	Depot	SP95	PL	GO	FO	JET A1	Total ¹	N.Op
Antananarivo	Analamanga	Alarobia	3 687	420	11 035	-	-	15 142	-
	Analamanga	Soanierana	670	-	6 150	-	-	6 820	-
	Vakinakaratra	Antsirabe	529	523	3 896	-	-	4 948	-
	Subtotals		4 886	943	21 080	-	-	26 909	-
Antsiranana	Diana	Antsahampano	80	80	317	-	-	477	
	Diana	Antsiranana	3 004	1 054	7 430	1 391	450	13 328	-
	Diana	Diégo Marine	-	-	-	-	-		22 750
	Diana	Nosy Be	2 200	684	2 370	-	2 825	8 079	-
	Sava	Antalaha	360	60	380	-	-	800	-
	Sava	Vohemar	1 200	100	3 560	-	-	4 860	-
	Subtotals		6 844	1 978	14 056	1 391	3 275	27 544	22 750
Fianarantsoa	Haute Matsiatra	Fianarantsoa	529	373	2 830	-	-	3 732	-
	Vatovavy	Manakara	540	1 220	2 296	-	-	4 056	-
	Fitovinany	Mananjary	-	-	-	-	-		1 065
	Subtotals		1 069	1 593	5 126	-	-	7 788	1 065
Mahajanga	Boeny	Mahajanga	3 290	2 351	22 128	-	700	28 469	-
	Melaky	Maintirano	120	60	700	-	-	880	-
	Sofia	Antsohihy	170	45	562	-	-	777	10
	Subtotals		3 580	2 456	23 390	-	700	30 126	10
Toamasina	Alaotra Mangoro	Moramanga	40	15	380	-	-	435	30
	Alaotra Mangoro	Morarano Chrome	173	101	856	-	-	1 130	89
	Ambatosoa	Maroantsetra	120	36	120	-	-	276	-
	Analanjirifo	Sainte Marie	60	60	120	-	-	240	-
	Subtotals		393	212	1 476	-	-	2 081	119
Toliara	Anosy	Ehoala	628	215	3 682	6 108	628	11 261	-
	Atsimo Andrefana	Morombe	-	-	-	-	-		838
	Atsimo Andrefana	Toliary	1 270	276	7 090	-	348	8 984	-
	Menabe	Morondava	180	60	2 460	-	-	2 700	-
	Subtotals		2 078	551	13 232	6 108	976	22 945	838
Total			18 850	7 733	78 360	7 499	4 951	117 393	24 782

1: Total operational capacity

Operational depots: 20 out of 23

Non-operational LPSA depots: Diego Marine, Morombe, Mananjary

Update: May 15, 2025

c. Jet fuel depots (m³)

Province	Region	Depot (TMA)	JET A1	N. Op	Observation
Antananarivo	Analamanga	Ivato	4 614	-	
Antsiranana	Diana	Antsiranana - Arrachard	150	-	
		Nosy Be - Fascène	190	-	
	Sava	Antalaha	52	30	
		Sambava	150	-	
Mahajanga	Boeny	Mahajanga - Amborovy	98	-	
	Sofia	Antsohihy	-	10	Storage of JET A1 in drums
Toamasina	Antsinanana	Toamasina - Ambalamanasy	105	-	
Fianarantsoa	Fitovinany	Mananjary	-	-	Storage of JET A1 in drums
	Haute Matsiatra	Fianarantsoa	-	-	Storage of JET A1 in drums
Toliara	Anosy	Tolagnaro	98	-	
	Atsimo Andrefana	Toliara	40	-	
	Menabe	Morondava	95	-	
Cumul			5 592	40	

d. Gas depots (m³)

Province	Region	Depots	Operators	Capacity
Mahajanga	Boeny	Amborovy	Vitogaz	4 803
Antananarivo	Analamanga	Ambohidratrimo	Vitogaz	903
Cumul				5 706

e. Galana Refinery Terminal depot (m³)

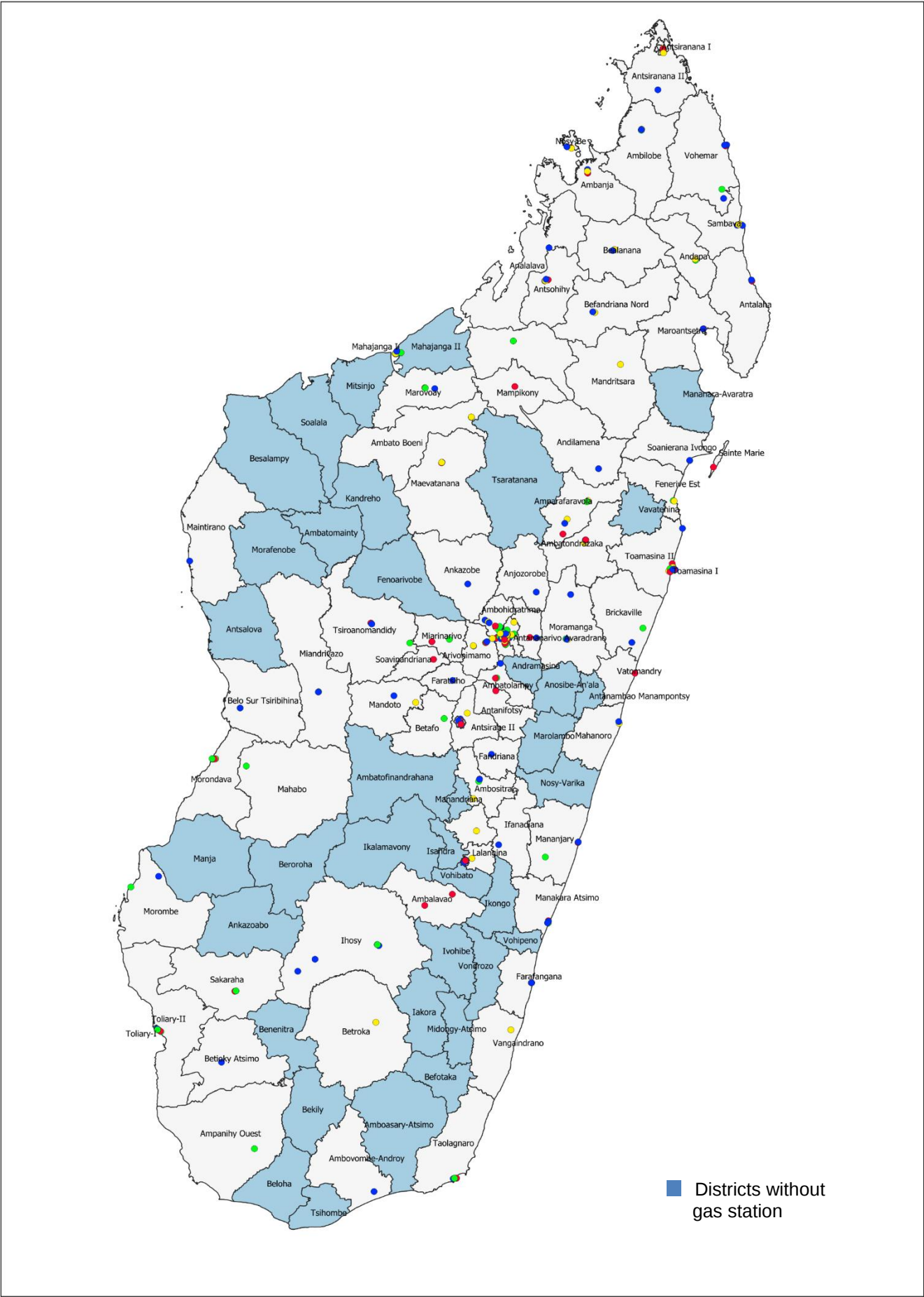
Depots	Region	SP 95	PL	FO	GO	JET A1	NAPHTA	N.Op	TOTAL ¹	SLOP
GRT Toamasina	Antsinanana	30 440	6 510	30 599	151 500	10 170	25 000	-	254 219	4 980

f. Madagascar's overall capacity (m³)

Depots	SP95	PL	GO	FO	JET A1	Gaz	Naphta	Cumul
LPSA	18 850	7 733	78 360	7 499	4 951			117 393
GRT	30 440	6 510	151 500	30 599	10 170		25 000	254 219
GAZ						5 706		5 706
AVIATION					5 592			5 592
Global storage	49 290	14 243	229 860	38 098	20 713	5 706	25 000	382 910

Updated: 15/05/25

17. District without gas station



Province	Région	District code	District	Number of municipallitie by district
Antananarivo	Analamanga	115	Andramasina	11
	Bongolava	119	Fenoarivobe	8
Fianarantsoa	Amaron'i Mania	202	Ambatofinandrahana	9
		223	Manandriana	10
	Atsimo Atsinanana	222	Befotaka	7
		215	Midongy Atsimo	6
		217	Vondrozo	16
		219	Ikalamavony	8
		225	Isandra	11
		224	Vohibato	14
	Ihorombe	221	Iakora	3
		218	Ivohibe	4
	Fitovinany	212	Vohipeno	17
		211	Ikongo	13
		207	Nosy Varika	12
Mahajanga	Betsiboka	416	Kandreho	6
		408	Tsaratana	10
	Boeny	415	Mahajanga II	9
		407	Mitsinjo	7
		403	Soalala	3
	Melaky	417	Ambatomainity	4
		420	Antsalova	5
		402	Besalampy	6
		422	Morafenobe	3
Toamasina	Alaotra Mangoro	317	Anosibe An'ala	9
	Ambatsoa	304	Mananara Avaratra	11
	Analanjirifo	315	Vavatenina	10
	Atsinanana	311	Antanambao Manampotsy	5
		309	Marolambo	12
Toliary	Androy	522	Antanimora Atsimo	8
		518	Bekily	21
		513	Beloha	8
		514	Tsihombe	9
	Anosy	519	Amboasary Atsimo	14
	Atsimo Andrefana	505	Ankazoabo	4
		521	Benenitra	3
		503	Beroroha	9
	Menabe	502	Manja	6
Cumulative			38	331

Districts without gas station: 38

Updated on 15/05/25

18. Oil operator's investments

	2000-2004	2005-2009	2010-2014	2015-2019	2020-2025(*)	Cumul
En million Ar						
Distributeurs	87 796	131 494	208 051	391 644	285 665	1 104 650
Logisticiens	41 295	80 330	123 128	137 254	149 848	531 855
Gaziers	21 917	3 081	13 396	21 999	93 986	154 379
Secteur	151 008	214 906	344 574	550 898	149 848	1 411 234
En K. USD						
Distributeurs	61 106	68 049	93 957	120 332	39 124	382 568
Logisticiens	28 326	40 759	58 046	42 776	15 231	185 138
Gaziers	16 363	1 617	6 093	6 768	9 912	40 753
Secteur	105 795	110 425	158 096	169 876	64 267	608 459

(*) Forecast

Updated: 18/04/25

19. Oil Product Specifications

Order No. 4865/2012 of March 22, 2012 amended by

Order No. 8583/2012 of May 3, 2012

Diesel Specifications

Property	Method ⁽¹⁾	Specifications	
		Mini	Max
Colour	ASTM D 1500		3
Copper strip corrosion (2h at 100°C)	ASTM D 130		1
Density at 15°C (Kg/l)	ASTM D 1298	0.810	0.890
Distillation at 365°C °° (V/V)	ASTM D 86	90	
Endpoint (°C)	ASTM D 86		385
cetane number	ASTM D 976	48	
Flash point in closed cup (°C)	ASTM D 93	55	
Pour point (°C)	ASTM D 97		+3
Ash °° (m/m)	ASTM D 482		0.01
Conradson on residue °° (m/m)	ASTM D 189		0.15
Water °° (V/V)	ASTM D 95		0.05
Sediment °° wt	ASTM D 473		0.01
Strong acidity (mgKOH /g)	ASTM D 974	Nil	
Total acidity (mgKOH /g)	ASTM D 974		0.5
Sulphur °° ppm	ASTM D 1552		500
Viscosity at 104°F (cST)	ASTM D 445	1.6	5.7

⁽¹⁾ or any standard used by the international oil industry recognized as equivalent.

Unleaded 95 Specifications

Property	Method ⁽¹⁾	Specifications	
		Mini	Max
Colour	<i>Visual</i>	Green	
Copper strip corrosion (3h at 50°C)	<i>ASTM D 130</i>		1
Density at 15°C (Kg/l)	<i>ASTM D 1298</i>	0.710	0.785
Distillation:			
10% (V/V) evaporated at (°C)	<i>ASTM D 86</i>		65
50% (V/V) evaporated at (°C)	<i>ASTM D 86</i>	77	115
90% (V/V) evaporated at (°C)	<i>ASTM D 86</i>		185
Final boiling point (°C)	<i>ASTM D 86</i>		215
Residue % Vol	<i>ASTM D 86</i>		2
Sulphur compounds: " Doctor Test"	<i>ASTM D 4952</i>	Negative	
Gum Content mg/100ml	<i>ASTM D 381</i>		5
"Research" Octane Number	<i>ASTM D 2699</i>	95.0	
Vapor pressure "Reid" Kpa (37.8°C)	<i>ASTM D 323</i>	45	90
Lead content (gPb /l)	<i>ASTM D 3341</i>		0.013
Sulphur content % (m/m)	<i>ASTM D 1266</i>		0.20
Aromatic content % (V/V)	<i>ASTM D 1319</i>		42.00
Oleofin content % (V/V)	<i>ASTM D 1319</i>		18.0
Benzene content % (V/V)	<i>ASTM D 12177: 1998</i>		5
Oxygen compounds:			
Methanol (with stabilizers)	<i>EN 1601</i>		3.0
Ethanol (with possible stabilizers)			5
Isopropyl alcohol			10
Iso-butyl alcohol			10
ter-Butyl alcohol			7
Ethers (with 5 or more C atoms per molecule)			15

⁽¹⁾ or any standard used by the international oil industry recognized as equivalent.

Fuel oil domestic Specifications

Property	Method ⁽¹⁾	Specifications	
		Mini	Max
Colour	<i>Red</i>		
Odour	<i>commercial</i>		
Copper strip corrosion (3h at 50°C)	<i>ASTM D 130</i>		1a
Density at 15°C (Kg/l)	<i>ASTM D 1298</i>		0.820
Distillation: volume of distillate including losses			
%C at 210°C	<i>ASTM D 86</i>		90
%C at 250°C	<i>ASTM D 86</i>	65	
%C at 285°C	<i>ASTM D 86</i>	80	
Distillation end point °C	<i>ASTM D 86</i>		300
Flash point (2)			
TAG in open vessel: in °C	<i>ASTM D 1310</i>	43.0	
Abel Pensky: in °C	<i>EN ISO 13736</i>	38.0	
Smoke point: in mm	<i>ASTM D 1322</i>	19.0	
Total sulphur content: % weight	<i>ASTM D 2785</i>		0.2

⁽¹⁾ or any standard used by the international oil industry recognized as equivalent.

Commercial Butane Specifications

Property	Method	Specifications	
		Mini	Max
Relative vapor pressure at 50°C [bar]	<i>ASTM D 1267</i>		7.5
Copper strip corrosion (1h at 37.8°C)	<i>ASTM D 1838</i>		1b
Water	<i>Absence of water by decantation</i>		
Odour	<i>Commercial</i>		

⁽¹⁾ or any standard used by the international oil industry recognized as equivalent.

Fuel-Oil 180 Specifications

Property	Method ⁽¹⁾	Specifications	
		Mini	Max
Viscosity at 122°F (cST)	ASTM D445		180
Density at 15°C (Kg/l)	ASTM D 1298		0.991
PMMC flash point (°C)	ASTM D93	60	
Total sulphur % (m/m)	ASTM 1552		2.5
Pour point (°C)	ASTM D97		30
Sediment wt%	ASTM D473		0.1
Ash % (m/m)	ASTM D482		0.1
Conradson on residue % (m/m)	ASTM D189		15
Water % (V/V)	ASTM D95		0.5

⁽¹⁾ or any standard used by the international oil industry recognized as equivalent.

Fuel-Oil 380 Specifications

Property	Method ⁽¹⁾	Specifications	
		Mini	Max
Viscosity at 122°F (cST)	ASTM D445		380
Density at 15°C (Kg/l)	ASTM D 1298		0.995
PMMC flash point (°C)	ASTM D93	66	
Total sulphur % (m/m)	ASTM 1552 or ASTM D 4294		2.5
Sediment wt%	ASTM D473		0.12
Ash % (m/m)	ASTM D482		0.1
Pour point (°C)	ASTM D97		+28
Conradson on residue % (m/m)	ASTM D189		15
Water % (V/V)	ASTM D95		0.5
Vanadium [mg/kg]	IP 288		350
Sodium [mg/kg]	IP 288		20
Aluminium + Silicon [mg/kg]	IP377		30
Asphaltene (m/m)	IP 143		10
Calorific value [kcal/kg]	ASTM D240	9700	

⁽¹⁾ or any standard used by the international oil industry recognized as equivalent.

Fuel-Oil 380 marine specifications

Property	Standards ⁽¹⁾	Values	
		Mini	Max
Viscosity at 122°F (cST)	ASTM D445		380
Density at 15°C (Kg/l)	ASTM D 1298		0.995
PMMC flash point (°C)	ASTM D93	66	
Total sulphur % (m/m)	ASTM 1552 or ASTM D 4294		0.5
Sediment wt%	ASTM D473		0.12
Ash % (m/m)	ASTM D482		0.1
Pour point (°C)	ASTM D97		+28
Conradson on residue % (m/m)	ASTM D189		15
Water % (V/V)	ASTM D95		0.5
Vanadium [mg/kg]	IP 288		350
Sodium [mg/kg]	IP 288		20
Aluminium + Silicon [mg/kg]	IP 377		30
Asphaltene (m/m)	IP 143		10
Calorific value [kcal/kg]	ASTM D240	9700	

⁽¹⁾ or any standard used by the international oil industry recognized as equivalent.

Density at 15°C (Kg/L) of oil products

Products	Mini (Kg/L)	Max (Kg/L)
SP95	0.710	0.785
PL		0.820
GO	0.810	0.890
FO 180		0.991
FO 380		0.991
FO 380 navy		0.995

Instruction for additives

As per the latest modification to the Decree No. 2004-669 of June 29, 2004, art.6, additives cannot be used to enhance product quality, and no advertising on their properties is allowed, except for those approved by OMH.

20. Lubricants

a. General provisions

The import of lubricants exceeding $\leq 50\text{kg}$ for personal consumption requires a Hydrocarbons Exploitation License issued by the Minister in charge of Hydrocarbons.

The legal application conditions, and procedures for granting and validating the license are defined by the Decree No. 99-279 of April 21, 1999, implementing Law No. 99-010 of April 17, 1999 (chapt.I, Title III).

b. Minimum Performance for gasoline and diesel engine Oils

According to Order No. 5003/2004 of March 8, 2004 (art.6), imported engine oils must have the following performance levels at least:

- for gasoline engines: greater than or equal to API SF or equivalent.
- for diesel engines: greater than or equal to API CD or equivalent.

For the other level of performance, the provision of an API or manufacturer's approval certificate is required.

c. Prohibited products

Referring to Order No. 5003/2004 of March 8, 2004, (art.6) there are two kinds of prohibited products:

- Lubricants from recycled or regenerated base oils.
- Engine oils with performance lower than API SF for gasoline engines and performance lower than API CD for diesel engines.

d. Some notions on the quality of motor oils

- **SAE (Society of Automotive Engineers) standard**

The need for a simple classification system for motor oils at the international level led to the creation of the SAE.

This system defines only viscosity categories.

- **API standard (American Petroleum Institute)**

This standard indicates the performance level of the oil.

It is represented by two letters.

For example: API SF / API SN / API CD / API CE

The first letter indicates the type of engine (Ex: S = unleaded 95 and C = diesel) while the second letter defines the performance level.

e. Quality control of lubricants

Lubricants imported into Madagascar are subject to controls and verifications that the OMH can initiate, before, during and after the importation of one the products according to Article 8 of the Decree No. 5003/2004 of March 8, 2004.

Engine oils and transmission oils for automobiles are subject to a quality control before customs clearance. They can only be cleared if they are covered by a conformity certificate issued by the OMH or an organization authorized by it.

However, the OMH reserves the right to extend its control to other types of products.

As result, the importer must inform the OMH (or the mandated organization) in a timely manner of the exact date of arrival (or shipment's) of the products at the port or airport of arrival (or departure), so that, it can arrange for the necessary formalities for the establishment of the certificate.

The certificate is issued within 48 working hours after taking samples.

Any batch of products analysed and found to be non-compliant with the quality standards provided for in this annex must be refused at the borders, and the charges and expenses related to this are the responsibility of the importer.

Gasoline engines:

STANDARDS	SPECIFICATIONS	NOTES
SF	From 1980 to 1988	Wear and oxidation protection more intense than for SE..
SG	Since 1993	Protection against deposit formation, wear and oxidation more intense than SF.
SH	Since 1996	Covers the performance required for SG, but tested according to the CMA protocol.
SJ	Since 2001	Qualitative requirements more severe than SH E.g. regarding phosphorus content
SL	Since July 2001	Less deposits at high temperature, reduced oil consumption.
SM	Since 2004 to 2011	Better stability against oxidation = suitable for extended intervals.
NS	Since 2001 and more	Complies with the requirements of automotive manufacturers from 2011 and later

Diesel engines:

STANDARDS	SPEIFICATIONS	NOTES
CD	Medium duty	Meet CATERPILLAR Series 3 requirements for antioxidants and detergents.
CDII	Heavy duty 2-stroke diesel engines	API CD requirements with a specific test for 2-stroke diesel.
CE	Supercharged Heavily stressed from 1983	Introduced in 1987 Meets MACK EOK/2CUMMINS NTC 400 requirements for antioxidants, detergents, dispersants and anti-wear.
CF	Introduced in 1994	Indirect injection and other engines, including those running on fuel containing more than 0.5% sulphur. Can replace CD oils.
CF-2	Introduced in 1994 For highly stressed 2-stroke diesel engines.	Can replace CD II oils.
CF-4	Introduced in 1990 For fast engines, supercharged or not.	Can replace CD and CE oils.
CG-4	Introduced in 1995 Highly stressed fast engines, that run on diesel with less than 0.5% sulphur.	Suitable for 1994 emission standards. Replaces CD, CE, and CF-4 oils.
CH-4	Introduced in 1998 Fast, hard-working engines that meet 1998 emission standards and run-on diesel with less than 0.5% sulphur.	Replaces CD, CE, and CF-4, CG-4 oils
CI-4	Introduced in 2002 High speed motor that runs on sulphur GO ≤ 500ppm Stable at low and high temperatures Effective on EGR durability.	Suitable for 2004 emission standards Replaces CH-4; CG-4; CF-4
CI-4 PLUS	Introduced in 2004	Used in conjunction with API CI-4

	Higher level of protection against viscosity increases due to sweating and viscosity loss due to shear.	
CJ-4	Introduced in 2006 4-stroke high-speed engine that works with sulphur GO ≤ 500 ppm Effective on DPF durability.	Exceeds CF-4 performance criteria; CG-4; CH-4; CI-4
CK-4	≤ 500 ppm sulphur GO powered high-speed engines, designed to meet 2017 model year emissions standards. Provides protection on DPF protection, viscosity change due to shearing and sweating. If sulphur in GO > 15 ppm $\rightarrow$ can affect: - the oil change interval - the durability of exhaust gas post-treatment.	Exceeds performance criteria of CF-4, CG-4, CH-4, CI-4, CJ-4

a. Authorities

Ministry of Energy and Hydrocarbons (MEH)

Bâtiment LACROIX 1er étage
Rue Farafaty – Ampandrianomby
BP 896 Antananarivo 101
Mobile : 034 49 662 43 / 032 29 511 40
E-mail : meh.spministre@gmail.com
Site Web : www.meh.mg
Fb : Ministère de l'Energie et des Hydrocarbures

Malagasy Office of Hydrocarbons (OMH)

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Mobile +261 32 05 005 26 / +261 34 05 227 97
Email: omh@omh.mg
Website: www. omh.mg
Fb: Malagasy Office of Hydrocarbons

OMH Regional Delegations

- **Antsiranana**

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Antsiranana 201
Mobile : 032 05 00 599
E-mail : drdomh@moov.mg

- **Mahajanga**

Immeuble Ny Havana
1^{er} étage, Bureau n° 01
Rue Henri Palu Majunga Be
Mahajanga 401
Tél : 020 76 216 61
Mobile : 032 05 463 14
E-mail : drmomh@moov.mg

- **Toliara**

Ankilimarovahatse
En face Station Total Marovatsy
Toliara 601
Tel : 020 76 216 63
Mobile : 032 04 768 75
E-mail : druomh@moov.mg

- **Fianarantsoa**

Lot 175B/3603 Antarandolo
Fianarantsoa 301
Tél : 020 76 216 62
Mobile : 032 07 463 75
E-mail : drfomh@moov.mg

- **Toamasina**

Lot 30, Boulevard de l'Ivondro
Anjoma Toamasina 501
Tél : 020 76 216 60
Mobile : 032 05 464 54
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b. Organizations and Services

National Office for the Environment (ONE)

Immeuble IFANOMEZANTSOA II Analakely, Escalier
Ranavalona I
Antananarivo 101
Mobile +261 34 45 381 08
Email: pnae.one@gmail.com
Website: www.pnae.mg

**Organe de Lutte contre l'Évènement de pollution
Marine par les hydrocarbures (OLEP) Body in
charge of Marine Oil Pollution**

Près Easta Ambatobe
Antananarivo 101
Mobile +261 34 18 370 15
Email: cnolep@gmail.com

**Société du port à gestion Autonome de Toamasina
(SPAT)**

Enceinte portuaire
BP 492 Toamasina 501
Tél : 020 53 321 55
E-mail : spat@port-toamasina.com
Site web : www.port-toamasina.com

**Economic Development Board of Madagascar
(EDBM)**

Immeuble EDBM, Avenue Général Gabriel
RAMANANTSOA Antaninarenina
Antananarivo 101
Phone +261 20 22 670 40 / 22 681 21
Email: edbm@edbm.mg
Website: www.edbm.mg

Maritime and River Port Agency (APMF)

Immeuble APMF
Route des Hydrocarbures Alarobia
BP 581 Antananarivo 101
Mobile : 032 11 257 00 / 032 11 257 91
E-mail : apmf@apmf.mg
Site web : www.apmf.mg

Office de Régulation de l'Electricité (ORE)

Face VB - 72 NA rue Tsimanindry
Ambatoroka Antananarivo 101
Tel : 020 22 641 91
Mobile : 034 62 616 45
E-mail : ore@ore.mg
Site web : www.ore.mg

c. Professional groups

Madagascar Petroleum Group (GPM)

Lot VH 4 Ambatovinaky
Antananarivo 101
Mobile +261 32 07 929 99
Email: gpomad@moov.mg

Malagasy Butane Committee (CMDB)

122, Rue Rainandriamampandry
Faravohitra
BP 3984 Antananarivo 101
Phone +261 20 22 364 00
Mobile +261 32 07 218 96

**Professional Association of Service Station
Managers (GPGLSS)**

Siège : ANONY Ankadimbahoaka Station
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Email: agg@moov.mg

**Professional Association of Carriers
of Hydrocarbons (APTH)**

Siège : SODIAT Group
Borosy Talatamaty
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Email: sodiat@moov.mg

Galana Refinery Terminal (GRT)

Route des Hydrocarbures - Manangareza
BP 433 Toamasina 501
Mobile +261 34 42 318 50 / +261 33 12 318 50
Email: grt@galana.mg
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Galana Petroleum Distribution

Immeuble Pradon Trade Center 8ème étage
Lot 203 Rue Rainizanabololona
Antanimena
BP 60118 Antananarivo 101
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Mobile +261 33 50 518 18 / +261 34 42 118 18
Email: info@galana.mg
Website: www.galana.mg

Jovena Madagascar

Kube A – Zone Galaxy Andraharo
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Fax +261 20 23 694 53
Mobile +261 34 07 202 20
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Website: www.jovena.mg

Jirama

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Email: jirama@jirama.mg
Website: www.jirama.mg

Malagasy Oil Company (MOCO)

Zone Portuaire
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Petroleum Logistics SA (LPSA)

Immeuble FITARATRA – 5ème étage
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Antananarivo 101
Mobile +261 33 44 440 00
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Website: www.logpetro.com

Malagasy Petroleum Company Vivo Energy (SMPVE)

Building B4 – Golden Business Center
Lot II i IA bis, Morarano Alarobia
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Phone : 020 22 427 08
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Email: vivoenergymadagascar@vivoenergy.com
Website: www.vivoenergy.com

TotalEnergies Marketing Madagasikara

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Website: www.totalenergies.mg

Vitogaz Madagascar

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Mocoh Gas Madagascar (HANDIGAS)

Lot II A 2 A Mandrosoa Ilafy
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Société Malgache des Pétroles Vivo Energy (SMPVE)

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Site Web : www.vivoenergy.com

STAR

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BP 3806 Antananarivo 101
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Site Web : www.star.mg

Ocean trade

Rue Docteur Raseta Andraharo
BP 21 Bis Antananarivo 101
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Mobile : 034 11 303 07
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E-mail : information@oceantrade.mg

Union Commercial DIStribution (U.CO.DIS)

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Tél : 22 210 13
Mobile : 032 11 210 13
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Imexport

53, Rue Docteur Razafindranovona
Tsaralalana Antananarivo
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Manambitana

Lot IN 9 Isotry Est Ambodifiakarana
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Milleis Motors

14, rue Jean Jaurès Ambatomena
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Galana Distribution Pétrolière (GDP)

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Design auto

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Alpa

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Liqui Moly

Lot II 2 A Bis Alarobia Amboniloha
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f. List of approved service providers

• **Piping installer**

MEI (Madagascar Equipements Industriels)

Villa Laurier rose - Lot II U 54 M Andrainarivo
Antananarivo101
Mobile : 034 94 788 99 / 032 07 296 69

CONSTRUCT

Propriété SIKKIM Andraharo
BP 3574 Antananarivo 101
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Email : construct@construct.mg

CIMELTA

447, Boulevard Jeneraly Ratsimandrava
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OTI (Ouvrage Travaux Industriels)

Lot I A 58 Ampatsakana
Antananarivo 101
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SOMAP (Société Malgache de Maintenance Pétrolière)

Lot IVV 63 Ter JR Local n°5
Rue Docteur Raseta Andraharo Antananarivo 101
Tél : 020 23 277 93

FLUID EVENT

Lot 155 Parcelle 12/ 21-22
Analakininina Toamasina 501
Mobile : 034 04 286 88 / 034 86 750 88
E-mail : fluidevent.mada@fluidevent.mg

EMIP (Entreprise de Maintenance Industrielle et Pétrolière)

Route des hydrocarbures
Ankorondrano Antananarivo101
Tél : 020 22 311 38

PMS (Petroleum Maintenance Service)

Lot IB 222 Andoharanofotsy
Antananarivo 102
Mobile : 032 43 600 90 / 032 07 400 00

SECREN

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MGS (Madagascar Global Service)

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MECAPRO

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GENIE AL

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- **Piping controller**

APAVE

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SOCOTEC

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EMIP (Entreprise de Maintenance Industrielle et Pétrolière)

Route des hydrocarbures
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Tél : 020 22 311 38

- **Electricity controller**

CONSTRUCT

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CIMELTA

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FLUID EVENT

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GUILMANN

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SOMAP (Société Malgache de Maintenance Pétrolière)

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VOLTA

Lot IIK 53 Antsahabe Antananarivo 101
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SGS Madagascar SARL

Immeuble Ariane 5A - Galaxy Andraharo
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RD - Consulting

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MEI (Madagascar Equipements Industriels)

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MECAPRO

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SOLARMA

Immeuble Tana 2000
Route des Hydrocarbures
Ankorondrano Antananarivo 101

EDM (Electricité De Madagascar)

Bâtiment ARIANE 5A 1ère étage
Galaxy Andraharo
BP 120 Antananarivo101

Power Plus

Lot ITL 64 Bis Tsarahonenana Itaosy
Antananarivo 102

ANKA Madagascar SARL

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- **Electrical controller**

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SGS Madagascar SARL

Immeuble Ariane 5A - Galaxy Andraharo
BP 1554 Antananarivo 101

- **Solar installer**

GUILMANN

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CAMUSAT MADAGASCAR

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EGEDEC (Entreprise Générale d'Electricité et de Décoration)

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SOCOTEC

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SOLARMA

Immeuble Tana 2000
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EDM (Electricité De Madagascar)

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- **Tank manufacturer**

CONSTRUCT

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CIMELTA

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OTI (Ouvrage Travaux Industriels)

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- **Tank controller**

SOCOTEC

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APAVE

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EMIP (Entreprise de Maintenance Industrielle et Pétrolière)

Route des hydrocarbures
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Update : 18/04/24

- **Treatment and valorization of hydrocarbon waste**

FLUID EVENT

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ECO ENERGY SARLU

Exploitation : Angodonina-Anosiala-
Ambohidratrimo Siège : Zone Forello Tanjombato
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YRR (Yuanchuang Recycling Ressources)

Antsahavolo Antanetibe - Vakinakaratra
Behenjy Afovoany 10412
Mobile : 034 43 199 99 / 032 79 957 90
E-mail : yuanchuang.yrr@gmail.com

- **Tank / oil separator cleaner**

EMIP (Entreprise de Maintenance Industrielle et Pétrolière)

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SPE (Société Malgache de Protection de l'Environnement)

Entrepôt N°5 - LOT IVV 63 Ter JR
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Mobile : 034 20 145 16

ADONIS

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MPS (Madagascar Petro Service)

Immeuble Santa Lot V 3ème étage
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PMS (Petroleum Maintenance Service)

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- **Manufacturer oil separator**

ENERGY - FD

Lot III G 10A Ambatolampy Antehiroka
BP 108 Ivato Aéroport Antananarivo 101
Mobile : 034 02 453 48 / 032 05 453 42

- **Gas station installer event**

SOMETO

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- **Controller mobile tanks technical**

APAVE

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MADAUTO

Rue Dr Raseta Andraharo
BP 350 Antananarivo 101

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