

# VERIFICATION STATEMENT

VE-UER-042-02

**Verification of the GHG-Emission Reductions  
for the project:**

**“ISO 14064:2 GHG project – G2P Ghelinta”**

**For the period: 01/01/2021 to 31/12/2021  
Monitoring Period Number: 02**

**certifying the UER batch**

**0042\_VERI\_20151005\_2021\_045.9119N,026.3255E\_000000.008189**

**according to**

**ISO14064 Part 2**

**for intended usage under the  
EU Fuel Quality Directive and  
Austrian ‘Kraftstoffverordnung’ dated 24/June/2020**

**Version 01, dated 19 August 2022**

**OMV Downstream GmbH  
Trabrennstraße 6  
1020 Vienna  
Austria**

**verico SCE**  
Hagenastrasse 7  
D-85416 Langenbach  
Germany

Tel +49 87 61 722 38 22  
Fax +49 87 61 722 38 23  
[office@verico.eu](mailto:office@verico.eu)  
[www.verico.eu](http://www.verico.eu)

## Directory

1. Scope of the verification	2
2. Project details	3
3. Assessment Approach	4
a. Contract review	4
b. Assessment team	4
c. Preparation of the Assessment	4
d. Specific assessments steps	5
e. Specific assessment plans for the facility	10
f. Technical Review	10
4. Results	10
a. Changes compared to previous assessments	10
b. General information	10
c. Legal requirements	11
d. Accuracy and Completeness	11
e. Quality assurance / quality management and risk management	11
f. Data gaps	12
g. Assessment of Uncertainties	12
h. Mistakes and Non-Conformities	12
i. Recommendations for improvements	13
5. Verification decision	14

## Annexes

Annex 1:	Assessment Plan
Annex 2:	Finding List
Annex 3:	List of Reviewed Documents
Annex 4:	List of Interviewed Persons
Annex 5:	Appointment Certificates

## Abbreviations

CAR	Corrective Action Request
CL	Clarification Request
DAkKS	Deutsche Akkreditierungsstelle (German Accreditation Body)
EU ETS	European Union Emissions Trading Scheme
FAR	Forward Action Request
GHG	Greenhouse Gases
PP	Project Participants
ISO	International Standard Organisation
PDD	Project Design Document
TR	Technical Reviewer
UER	Upstream Emission Reduction
UNFCCC	United Nations Framework Convention on Climate Change

## 1. Scope of the verification

verico SCE, an accredited verification body<sup>1</sup> according to DIN EN ISO 14065 including the validation and verification of GHG assertions based on ISO 14064 Part 1 or Part 2, has been ordered by OMV Downstream GmbH to perform a verification of the first monitoring report for the project: «ISO 14064:2 GHG project – G2P Ghelintă» in order to confirm compliance of the monitoring report with requirements as set by ISO 14064 Part 2 and Austrian Kraftstoffverordnung(KVO) dated 24 June 2020 implementing the Council Directive (EU) 2015/652 of 20 April 2015 laying down calculation methods and reporting requirements pursuant to Directive 98/70/EC of the European Parliament and of the Council relating to the quality of petrol and diesel fuels having regard to Directive 98/70/EC of the European Parliament and of the Council of 13 October 1998 relating to the quality of petrol and diesel fuels and amending Council Directive 93/12/EEC (Fuel Quality Directive)<sup>2</sup>.

The verification has been carried out for the complete monitoring period from 01/01/2021 to 31/12/2021. This verification activity addresses in particular:

- The implementation and the ongoing operation of the project and monitoring activities in accordance with the validated project design document;
- the amount of emission reductions achieved during the monitoring period;

verico SCE performed all tasks as specified under ISO 14064 Part 3, thus undertaking a systematic, independent and documented process for the evaluation of a greenhouse gas assertion of the above-mentioned project activity against the agreed verification criteria through this verification report. The main objective of this activity is the use of the verification report by the orderer for the creation of UERs. All consecutive steps with regard to the use of this verification report for compliance under the FQD fall under the responsibility of the fuel supplier using UERs and are not part of this engagement.

verico SCE has nominated a verification team fulfilling the internal qualification criteria based on ISO 14064 Part 3, ISO 14065 and ISO 14066. The verification process involved an in-depth review of the submitted set of documentation and records as well as background research regarding applied technologies, country-specific circumstances etc. Following a strategic analysis and the determination of assessment risks, a detailed verification plan has been developed. The verification process included an on site audit with the project participants, and at the oil and gas production site that is the source of the upstream emissions addressed by the project activity.

The verification statement is given at a reasonable level of assurance. When verifying reported data, a 5% materiality threshold has been applied with regard to the total amount of emission reductions and in analogy to the EU ETS scheme, of which the quality requirements are applicable according to the Fuel Quality Directive.

The final verification report itself has undergone an independent technical review, by a further lead verifier fulfilling the internal qualification requirements of verico SCE, and who has not been part of the verification team, for final appraisal of this report.

The verification has been carried out in the period from 02 June 2022 until 19 August 2022.

---

<sup>1</sup> DAkkS Accreditation ID D-VS-19003-01-01

<sup>2</sup> With reference to the EU Guidance note, "Guidance note on approaches to quantify, verify, validate, monitor and report upstream emission reductions"

## 2. Project details

<b>Project Title</b>	ISO 14064:2 GHG project G2P Ghelinița
<b>Brief Description</b>	<p>ISO 14064:2 GHG project G2P Ghelinița project activity is implemented in Ghelinița oil and gas field Park 1. At Park 1, the associated gas was burnt at a flare stack, and electricity needed for current operations was bought from the grid. With the G2P Ghelinița project the associated gas is not flared anymore but used for electricity production.</p> <p>The scope of the project was to exploit the chemical energy of the previously flared gas, in order to obtain electrical energy for Mazarine Energy internal consumption.</p> <p>The main components of the Ghelinița G2P plant are the two Gas engine - electrical generator, each one within an acoustic enclosure, type ECOMAX 11, equipped with a General Electric Jenbacher J416 GS-B01 gas engine, including all necessary auxiliary equipment.</p> <p>The G2P plant is continuously operating, in grid mode, and part of the obtained electrical energy is “consumed” locally, the difference being injected in the distribution grid operated by the Electrica Transilvania Sud S.A.</p>
<b>Project site(s)</b>	<p>Coordinates of the physical site of the project:  Latitude: 45.9119°N  Longitude: 26.3255 °E,  Sexagesimal coordinates:  Latitude – 45°54’41.20” N; Longitude – 26°19’32.10” E.</p> <p>G2P Ghelinița is located in the Mazarine Energy Park 1 Ghelinița, municipality of Ghelinița, Covasna County, Romania.</p>
<b>Project Participant(s)</b>	SC OMV Petrom S.A. Member of OMV Group, Upstream Romania Petrom City, Coralilor Street, no. 22, Postal Code 013329, District 1 Bucharest, Romania
<b>Validated PDD incl. Monitoring Plan</b>	“G2P-Ghelinița_UER-Project-Documentation_FV_2.1” Project documentation & Monitoring plan; Version: 2.1; 29 September 2015
<b>Final version of the Monitoring Report</b>	UER Monitoring Report. For the period: 01/01/2021 – 31/12/2021 Version 2 dated 02 August 2022
<b>Applied methodology</b>	Project specific approach in analogy to AM0009
<b>Certified UERs</b>	<b>8,189 tCO<sub>2e</sub></b>
<b>UER Batches ID<sup>3</sup></b>	<b>0042_VERI_20151005_2021_045.9119N,026.3255E_000000.008189</b>

<sup>3</sup> Created by adapting the recommendation in Annex A of the EU guidance note; the first four digits stand for verico’s unique project identifier, while “VERI” stands for verico as verifying entity; “end\_of\_batches” provides information on the last day included in the verification process

### 3. Assessment Approach

#### a. Contract review

Based on submitted information on the project documentation, its validation report, and an estimation of emission reductions, a confirmation was given to the client on 16 May 2022 that the verification can be performed under an existing framework contract for GHG validations and verifications. The scope of accreditation of verico SCE as accredited validation and verification body covers all relevant scopes (here **CDM scopes 1 and 10**) of this project activity and verico SCE has access to auditors covering the required competences in the sectors related for this activity. The offer complied with the internal requirements of the validation and verification body and was thus released. The cost estimate ensured that the required personnel and time resources were available for processing. The assignment was based on this offer. The client confirmed the independence of the verification team members and verico SCE in writing.

#### b. Assessment team

##### Lead Auditor:

Luis Robles Olmos                      Scopes: 1, 3, 7, 10, 13, 14, 15

##### Experts:

none

The appointment certificates confirming the qualification of the team members are provided under Annex 5 of this report.

#### c. Preparation of the Assessment

The verification criteria were agreed between the client and verico SCE prior to the assessment as the verification of the monitoring report to meet the requirements under ISO 14064 Part 2 and those under EU Council Directive 2015/652 of 20th April 2015 and Austrian Kraftstoffverordnung (KVO) dated 24 June 2020

As preparation for the assessment, the project participant has submitted the project documentation and emissions estimations in advance and with time enough before performing the on site verification assessment. By reviewing and evaluating these documents a strategic and risk analysis has been performed in order to develop an assessment plan, that has captured and identified all relevant areas of assessment in order to reduce assessment risks and to enable a statement at a reasonable level of assurance that the project complies with the requirement of ISO 14064 Part 2 (ISO 14064-2).

verico SCE has been provided with a Monitoring Report and underlying data records covering the monitoring period. This document serves as the basis for the assessment presented herewith. The reporting period starts on 01st January 2021 and ends on 31st December 2021 (incl.).

The following table presents the areas of concerns, which needed further investigation beyond the document review, the associated risks which might result in non-compliance and the initially selected assessment methods. This list has been prepared before drafting a detailed verification plan.

Area of Concern	Risk	Assessment method
Boundaries / completeness	Relevant gas flows / gas qualities are not considered in input/output balance  Risk of misstatements	Audit: discussion and review On site visit
Double-counting issues	Exclusive use of ERs for the generation of UERs	Interviews Document review
Implementation of monitoring plan	Any binding requirements from validation / registration under the Austrian scheme	On site visit Interviews Document review
Environmental impacts / legal compliance	Compliance with national legislation	Interviews Document review
Baseline emissions	Completeness of the validation report	Audit: discussion and document review
Project emissions	Correctness and completeness	Review of excel files
Calculations	Possible mistakes in excel sheets for ER calculation	Interviews Document review Insight to raw data and records
Quality assurance / quality control	Data quality of baseline and project emissions Risk of data losses by monitoring approach (log-books copied only once per year) Treatment of mavericks corrections	Audit: discussion and review On site visit

#### d. Specific assessments steps

A specific risk analysis has been conducted when starting the verification process, which concluded that there is low risk not to meet the required level of assurance, when applying appropriate means of verification.

An on-site mission took place on 09 June 2022. During the mission the production area identified as the project site placed at the municipality of Ghelintă (Covasna County, Romania), have been visited to run interviews/audits and inspection.

At the end of the on site assessment, a finding list containing one CL was sent to the project participants in relation with the “Recommendation for improvement” issued in the “Verification Statement VE-UER-042-01, <<ISO 14064:2 GHG project – G2P Ghelintă>> For the period: 01/01/2020 to 31/12/2020, Monitoring Period Number: 01”.

This recommendation for improvement is related with internal procedures and criteria to determine system outliers and threshold of values. A Forward Action Request (FAR) has been issued, by means of which it shall be verified within next verification process the development and implementation of an internal procedure to identify outliers and remove them from the processes of calculating the emission reductions generated by the project activity.

Annex 4 to this report provides a list of interviewed persons. The following images resume some impressions of proofs and photographs and videos provided for review:



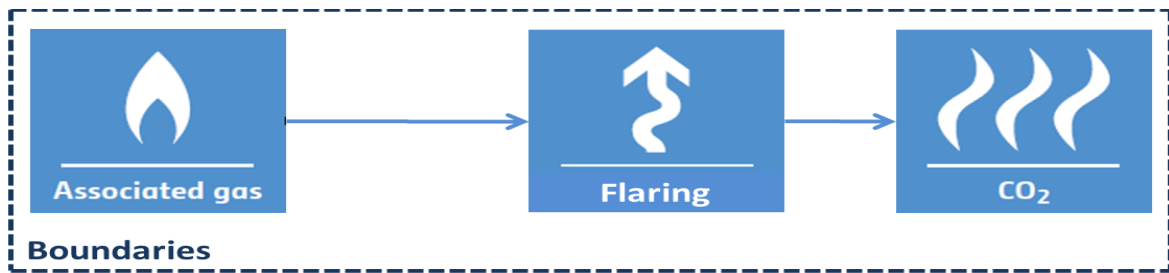


Figure 1: Baseline scenario “flaring of associated gas” with boundaries

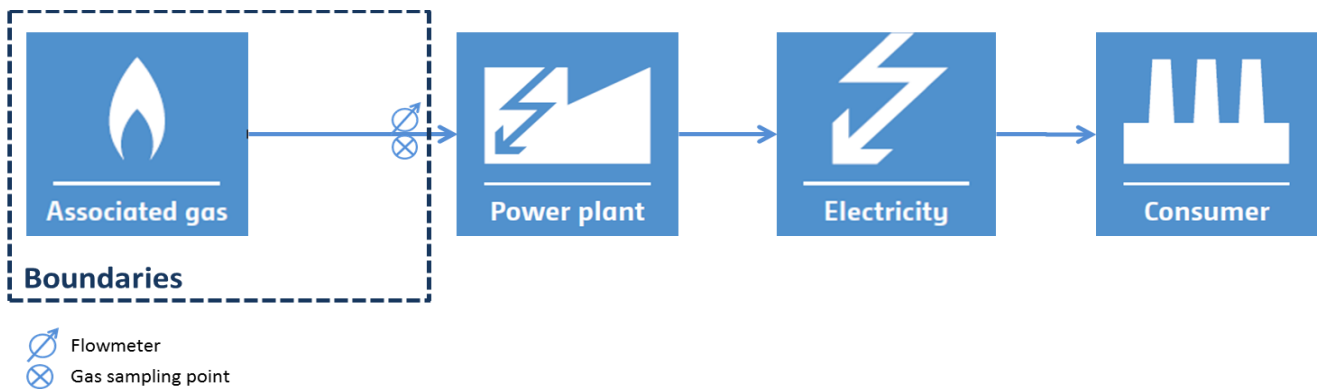


Figure 2: Project scenario with boundaries

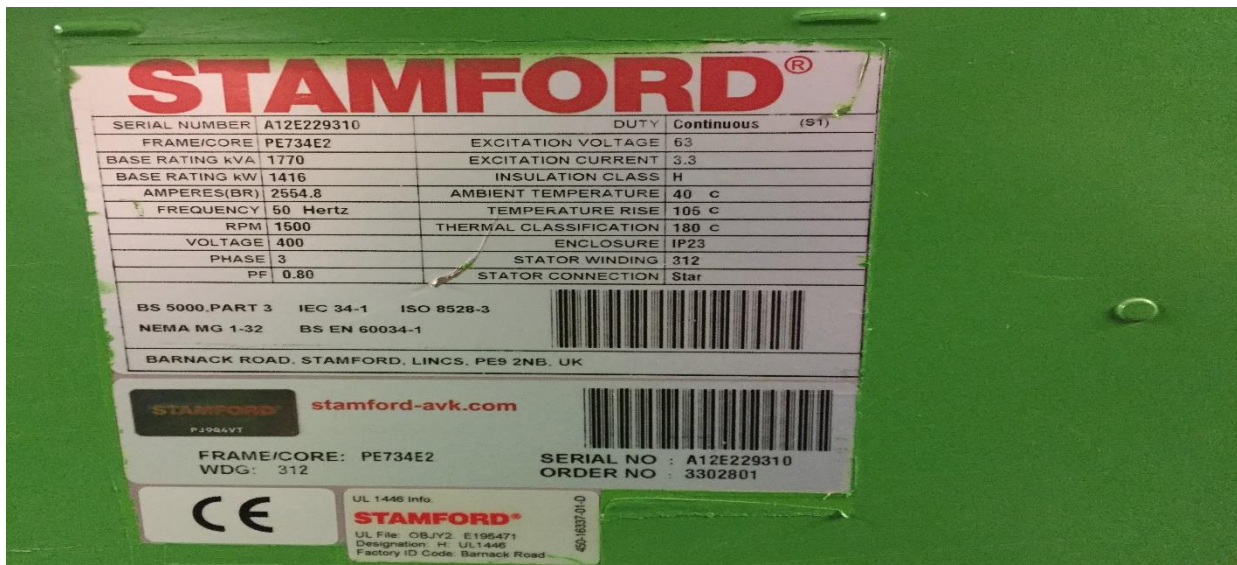


Image 1: Nameplate of electrical generator at G2P Ghelinta



Image 2: Gas flowmeter DFC-06



Image 3: Gas engine nameplate





Image 4: Gas engine and electrical generator set group 2



Image 5: G2P Ghelintă outside overview

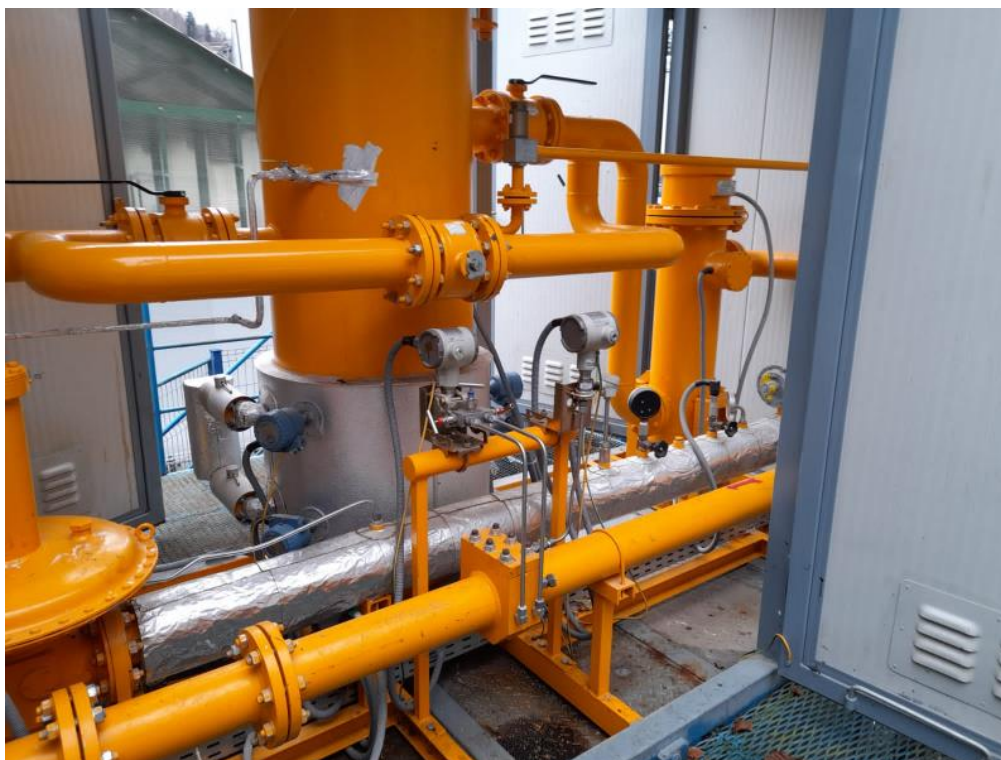


Image 6: G2P Ghelintă gas connection pipes



#### **e. Specific assessment plans for the facility**

Along the verification process, the checklist as referred to under 3.c has been completed with information collected and verified during documents reviews and audits and indicates the details of findings/confirmations. The checklist and the collected information and documents remain as internal verification documentation at verico SCE.

#### **f. Technical Review**

Before the report is approved, an internal review is conducted by a lead auditor (Technical Reviewer) assigned to it by the verification body who was not himself a member of the audit team. The main focus of this process is the assessment of the completeness and traceability of the verification carried out on the basis of the internal and external verification report. If necessary, the verification team will be asked to catch up on missing test steps or to correct or supplement the test report to increase transparency.

This particular review has been conducted by Werner Betzenbichler, who is appointed as Technical Reviewer (TR) of ISO 14064 Part-2 activities und CDM scopes 1 to 13. The TR's appointment certificate is also given under Annex 5.

### **4. Results**

#### **a. Changes compared to previous assessments**

According with the information provided and checked during the verification process, no relevant changes to the project design have been implemented during the monitoring period nor from the date of the "PDD\_G2P-Ghelința\_UER-Project-Documentation\_FV\_2.1.pdf" validation.

As it was checked during the previous verification of "ISO 14064:2 GHG project – G2P Ghelintă", project ownership of G2P Ghelintă has been transferred from OMV Petrom S.A. -original owner of the facility- to Mazarine Energy Romania S.R.L., a subsidiary of Mazarine Energy B.V. (Mazarine Energy) in October 2016.

Nevertheless, the rights to utilize and the legal title of any emission reduction that result from the operations of the facility G2P Ghelintă remain with OMV Petrom, as shown in an agreement between Mazarine Energy and OMV Petrom (Agreement Mazarine - OMV Petrom, 20th August 2019)

No Forward Action Request remains opened from the validation process nor from the previous verification process.

#### **b. General information**

All information regarding the involved project proponents, the organisational arrangements, the authorization and technical features have been proven to be correct. All procedures relevant to the project are documented electronically as part of OMV Petrom's management system, and those procedures are followed by Mazarine Energy.

Verification focused on the correct implementation of the project (installations, monitoring equipment and procedures, quality assurance procedures), including the correctness of assumptions

and calculations with possible impacts on the monitoring and verification process (e.g. uncertainty analysis).

All monitoring activities are either in accordance with the validated project design document, and all information regarding applied procedures, maintenance and data processing is clearly documented.

The project boundaries are clearly established as per the PDD version 2.1 and the Monitoring Report submitted for validation dated on 25 September 2015.

Only CH<sub>4</sub> emissions and emission reductions are relevant in the context of this project activity.

### **c. Legal requirements**

The project is in compliance with the host country's legislation. All required licenses are available, and, if necessary, are recently undergoing a renewal process at the responsible local authorities.

It is also evident there are no specific legal requirements to deliver the required service (use of the previously flared gas and obtain electricity for on-site operation) in the manner as done by the project activity. Hence the baseline scenario as claimed for in 2015 is still deemed being applicable. However, confirmation regarding the baseline situation is given by the validation report and is not under the mandate of this verification. Nonetheless, it can be confirmed that the baseline identification process by the project proponents and the according validation are both transparently and suitably presented. There are no legal requirements introduced since validation, which would have changed the conditions for determining the baseline scenario.

### **d. Accuracy and Completeness**

By reviewing the technical and graphical information related with the project, and by means of the on-site visit done on 09 June 2022, it can be confirmed that all relevant flows of the gas balance (gas inflow from oil production, gas internal consumption) have been identified correctly and monitored accordingly.

Gas flow is metered at high accuracy, and the reported emission reductions are of equivalent confidence as of Commission Regulations (EU) No 600/2012 and No 2067/2018, which contains general principles for verification and the accreditation of verifiers, and Commission Regulation (EU) No 601/2012 which contains general principles for monitoring and reporting that can be applied to upstream emission reduction projects.

### **e. Quality assurance / quality management and risk management**

The monitoring system, related procedures and its implementation are in compliance with the requirements set by the underlying regulations and standards. All data which require metering are clearly identified and according arrangements have been made in line with appropriate procedures for data collection and its analysis. All parameters were determined as prescribed in the monitoring plan and associated (inherent) risks have been considered by implementing appropriate maintenance and quality assurance procedures. Reporting procedures reflect the monitoring plan and

consolidated data and event logs are stored electronically. Internal procedures and work instructions support the determination of all the parameters listed in the monitoring plan in an effective manner.

#### **f. Data gaps**

Associated gas flow consumed in G2P Ghelinta project activity is measured by Flowmeter “DFC 06”, ID serial no.: 5489.1.3. The frequency of flowmeter calibration is 4 years according to the equipment manufacturer, due to the fact that, as an internal flowmeter, it is not subject to national legal metrological control. The latest calibration of the equipment was conducted on 19th August 2020.

Thus, no data gaps occurred during the monitoring period 01/01/2021 – 31/12/2021 due to lack of flowmeter calibration or due to any other fact.

#### **g. Assessment of Uncertainties**

A project specific uncertainty analysis has been prepared confirming that the monitoring report meets the uncertainty requirements as specified by the EU ETS. The verification process included a check of the analysis and the applied information regarding the uncertainty of the gas flowmeter. It can be confirmed that the analysis is in consistency with available data and that its results meet uncertainties requirements as specified by the EU ETS.

#### **h. Mistakes and Non-Conformities**

The verification team identified one Clarification Request, CL#1.

As a result of the first verification of the "Ghelinta G2P" project (monitoring period: 01/01/2020 – 31/12/2020), a recommendation for improvements concerning QC/QA procedures was issued: “Recommendations for improvements: to increase the internal quality control of data and records, it is recommended to create a procedure and establish criteria to determine system outliers and threshold of values that should not be considered acceptable.”

Monitoring Report V01 dated on 31 May 2022 does not contain information on this, nor a written document has been provided to the verico SCE verification team; thus, CL#1 was issued as: “Project developer is kindly requested to provide extended explanation related with the above-mentioned recommendation for improvements in a new version of the Monitoring Report”

verico SCE's verification team has verified the implementation of an outlier identification system by using historical data and a comparison with those historical data of instantaneous and daily data recorded at the plant.

The verification of the outlier identification system was carried out during the on-site audit on 9 June 2022 at the project site.

However, neither the project developer nor the company responsible for the operation of the project has developed and implemented a written procedure specifying the process of review and acceptance or rejection of the instantaneous and/or daily values obtained in the project.



It is therefore considered necessary that from the next monitoring period to which the actual verification report corresponds (01/01/2021 - 31/12/2021) an internal procedure be developed and implemented and confirm criteria to determine system outliers and threshold of values that should not be considered acceptable:

**FAR#1:** The project developer shall create and implement an internal procedure & criteria to determine system outliers and threshold of values, so that it is operational for emission reductions to be monitored and generated from 1 January 2022 onwards.

### **i. Recommendations for improvements**

N/A

## 5. Verification decision

**verico SCE** has undertaken the verification of the GHG emission reduction project: “ISO 14064:2 GHG project – G2P Ghelintă” implemented by OMV Petrom, Romania, covering the monitoring period from 01 January 2021 to 31 December 2021 based on the requirements of ISO 14064 Part 2 and the EU Fuel Quality Directive and the Council Directive (EU) 2015/652 of 20 April 2015 laying down calculation methods and reporting requirements, and Austrian Kraftstoffverordnung (KVO) dated 24 June 2020.

The project will reduce emissions by recovering and utilizing the associated gas from oil field Ghelintă Park 1, previously flared and now used to obtain electricity for on-site operation.

Through the verification process, the verification team identified one Clarification Request. One Forward Action Request was remaining after the final revision and edition of the Monitoring Report, related with new internal procedures to identify and manage outliers.

The verification team is of the opinion that the GHG Assertion of the project: “ISO 14064:2 GHG project – G2P Ghelintă” is implemented as planned and described in the project design document, and that it is in accordance with the underlying requirements. All monitored data and calculation of emissions or removals have been assessed and it can be confirmed at a reasonable level of assurance, that the data is free from material misstatements. The reported emission reductions are of equivalent confidence as of Commission Regulations (EU) No 600/2012 and No 2067/2018, which contains general principles for verification and the accreditation of verifiers and Commission Regulation (EU) No 601/2012 which contains general principles for monitoring and reporting that can be applied to upstream emission reduction projects.

The verified amount of emission reductions during the monitoring period from 01 January 2021 to 31 December 2021 amounts to:

**8,189 t CO<sub>2e</sub>**

Therefore, verico SCE hereby certifies at a reasonable level of assurance that the unique UER batch

**0042\_VERI\_20151005\_2021\_045.9119N,026.3255E\_000000.008189**

is established exclusively on verified emission reductions achieved during the monitoring period corresponding to the year 2021 (01 January 2021 – 31 December 2021) by the GHG project “ISO 14064:2 GHG project – G2P Ghelinta”.

Los Molinos (Madrid), 19 August 2022

Langenbach, 11 September 2022

---

Luis Robles Olmos  
**Lead Auditor**

---

Werner Betzenbichler  
**Technical Reviewer**

**Released:**

Langenbach, 11 September 2022

---

**Verification body verico SCE**

## ANNEX 1: ASSESSMENT PLAN

### Strategic and Risk Analysis conclusions:

Area of concern	Risk	Assessment method	Additional Information requested
Boundaries / completeness	Relevant gas flows / gas qualities are not considered in input/output balance  Risk of misstatements	Audit: discussion and review On site visit	-
Double-counting issues	Exclusive use of ERs for the generation of UERs	Interviews Document review	-
Implementation of monitoring plan	Any binding requirements from validation / registration under the Austrian scheme	On site visit Interviews Document review	-
Environmental impacts / legal compliance	Compliance with national legislation	Interviews Document review	Information on exchange and maintenance of meters
Baseline emissions	Completeness of the validation report	Audit: discussion and document review	-
Project emissions	Correctness and completeness	Review of excel files	-
Calculations	Possible mistakes in excel sheets for ER calculation	Interviews Document review Insight to raw data and records	-
Quality assurance / quality control	Data quality of baseline and project emissions Risk of data losses by monitoring approach (log-books copied only once per year) Treatment of mavericks corrections	Audit: discussion and review On site visit	-

## Section 1: Eligibility of the GHG project under the GHG program

The project is expected to be used under the EU Fuel Quality Directive, which is complemented with rules on the eligibility set by «COUNCIL DIRECTIVE (EU) 2015/652 of 20 April 2015 laying down calculation methods and reporting requirements». Further assistance is given by the «GUIDANCE NOTE on approaches to quantify, verify, validate, monitor and report upstream emission reductions», which also implicitly contains further requirements to be considered when determining the eligibility of an individual project. While many EU member states simply make reference to these provisions, some other countries have adopted specific implementation rules, which set further requirements. The following table lists the eligibility of the GHG project in the context of generic and specific requirements available at the time of verification.

ID	Requirement	Validated situation	Conclusion
EU-D1	UERS shall only be applied to the upstream emission's part of the average default values for petrol, diesel, CNG or LPG.	As confirmed in original validation report.	OK
EU-D2	UERS originating from any country may be counted as a reduction in greenhouse gas emissions against fuels from any feedstock source supplied by any supplier.	This does not restrict the use of UERS for any eligible project.	OK
EU-D3	UERS shall only be counted if they are associated with projects that have started after 1 January 2011.	As confirmed in original validation report.	OK
EU-D4	UERS shall be estimated and validated in accordance with principles and standards identified in International Standards, and in particular ISO 14064, ISO 14065 and ISO 14066. The UERS and baseline emissions are to be monitored, reported and verified in accordance with ISO 14064 and providing results of equivalent confidence of Commission Regulation (EU) No 600/2012 and Commission Regulation (EU) No 601/2012. The verification of methods for estimating UERS	The requirements of these standards and regulations have been used in the context of this verification (see following sections)	OK



ID	Requirement	Validated situation	Conclusion
	must be done in accordance with ISO 14064-3 and the organisation verifying this must be accredited in accordance with ISO 14065;		
EU-D5	<p>In order for UERs to be eligible, fuel suppliers shall report:</p> <ul style="list-style-type: none"> <li>- the non-reusable certificate number uniquely identifying the scheme and the claimed greenhouse gas reductions;</li> <li>- the non-reusable number uniquely identifying the calculation method and the associated scheme;</li> </ul>	<p>Compliance with the first two bullet point will depend on the member state at which the UERs shall be used. Although recommended by the Commission, most member states have not established a UER registry enabling easy compliance with that requirement.</p> <p>In the absence of requested solutions, a unique number for the UER batch will be assigned by the verico verification report.</p>	
EU-G1	For emission reductions to be eligible to be claimed as UERs they must be additional to any emissions changes that would have been expected in the most likely counterfactual scenario.	As confirmed in original validation report.	OK
EU-G2	Any particular batch of emission reductions from a given project may only be claimed against FQD GHG emission reduction obligations or other emission reductions targets once. These emission reductions cannot be claimed under the Kyoto Protocol's Clean Development Mechanism or the Joint Implementation. Similarly, upstream emission reductions that have been accounted for third party emission reductions schemes shall not be eligible under the FQD.	According to confirmation by the project proponents the use of the verified emission reductions as UER is the only purpose of this verification activity. However, further claims have to be excluded by contractual arrangements amongst sellers and buyers, if deemed necessary.	OK
EU-G3	The boundary should include all GHG sources and removals and any GHG source, sink, or reservoir that is controlled, related to, or affected by the project (ISO 14064-2 Article 5.3). These are considered 'relevant' sources. Examples of project boundaries can be drawn from CDM methodologies and in	As confirmed in original validation report and the underlying PDD / monitoring plan.	OK

ID	Requirement	Validated situation	Conclusion
	the ICCT report on «The Reduction of Upstream Greenhouse Gas Emissions from Flaring and Venting».		

SECTION 3. Project plan (Project description)	Verified situation	Conclusion
<b>General description of the project</b>		
1.1. Does the GHG Report provide general information of the project?	The UER monitoring report “UER G2P-Ghelința_MR2021_Monitoring report v2_20220802_clean” presents general information of the project under chapter 1 of each.	OK
1.2. Is there any open issue in the validation / previous verification?	See table section 1 above	OK
<b>Implementation status of the project activity</b>		
1.3. Is the project location indicated? Confirm geographical coordinates	Project location is included in the verified monitoring report. Geographical coordinates have been checked by internet tools	OK
1.4. Are all GHG sources relevant to the project identified? Is any emission source missed? Check the site lay-out and confirm through site tour.	There is only one associated gas in the project; the inlet connection of Ghelinta Park 1 gas flare has been bypassed to deliver an adequate gas flow supply to motogenerators 1 and 2 of G2P Ghelinta project activity. Inlet gas flow to G2P Ghelinta facility is properly measured by a high accuracy flowmeter	OK
1.5. Confirm conformance with GHG program requirements: baseline and monitoring methodology - Applicability conditions. Please refer to the complete description of the applicability conditions and confirm that the project activity meets all the requirements.	See previous table section 2	OK
1.6. By means of an on-site visit: List each technical component and equipment and check design parameters and actual status of installation and / or operation. Please check to ensure that all physical features of the proposed project are in place and operated according with the GHG program requirements. In cases where there are a large number of components and equipment items and the check of all of	An on-site visit has been conducted for this verification on 09 June 2022. The existence of the piping system and technical components could be verified by a walk-through of the site. All physical features including the gas flowmeter and other relevant elements of the project activity are in place, and are operating according the approved monitoring plan.	OK

SECTION 3. Project plan (Project description)	Verified situation	Conclusion
<p>them is not an available option, then a random sampling check shall be performed. Justify here the sample chosen and describe the results.</p>		
<p>1.7. Have responsibilities for monitoring been described and specified?</p>	<p>Responsibilities and functions are described with the MR and conform to the actual situation in PETROM and Mazarine Energy</p>	<p>OK</p>
<p>1.8. Check QA/QC, management systems. Are procedures described and specified? Are they consistently applied?</p> <ul style="list-style-type: none"> <li>a. documented instructions, management manual</li> <li>b. documentation</li> <li>c. data archiving</li> <li>d. monitoring report</li> <li>e. cross-checking</li> <li>f. energy balance analysis (as relevant)</li> <li>g. internal audits / verification and management review</li> </ul>	<p>Mazarine Energy, project owner during the monitored period, uses a database system for recording and evaluating production data. Quality control system is the same than PETROM -UER owner-, and is based in the four-eyes principle, covering all aspects in a comprehensive manner. It is consistently and effectively applied and encompasses several steps of internal data verification on a daily basis. Approval, marking, rejecting or replacing data is clearly stated.</p> <p>verico SCE's verification team has verified the implementation of an outlier identification system by using historical data and a comparison with those historical data of instantaneous and daily data recorded at the plant. The description of data quality management has been enhanced in section 3.4 of version 2 of the monitoring report.</p> <p>However, neither the project developer nor the company responsible for the operation of the project has developed and implemented a written procedure specifying the process of review and acceptance or rejection of the instantaneous and/or daily values obtained in the project.</p> <p>It is therefore considered necessary that from the next monitoring period to which the actual verification report corresponds (01/01/2021 - 31/12/2021) an internal procedure be developed and implemented and confirm criteria to determine system outliers and threshold of values that should not be considered acceptable.</p> <p><b><u>FAR#1:</u> The project developer shall create and implement an internal procedure &amp; criteria to determine system outliers and threshold of values, so that it is operational for emission reductions to be monitored and generated from 1 January 2022 onwards.</b></p>	<p><b>See CL1</b></p> <p>CL1 is cleared.</p> <p><b>See FAR#1</b></p>

SECTION 3. Project plan (Project description)	Verified situation	Conclusion
1.9. Has a procedure for emergency and abnormal situations been established?	Data gaps and errors are identified and followed by well-established procedures.	OK
1.10. Has the system for qualification and training been established as relevant for the monitoring and management activities?	There are detailed instructions and enough personnel in place to guarantee the transfer of knowledge and experience to potentially new members being involved in monitoring activities.	OK
1.11. Check the environmental report, license, permit and compliance to the local environmental legislation (if relevant).	No relevant changes	OK
1.12. Check contribution to sustainable development, in accordance with the GHG program.	n/a	OK
1.13. Check issues with local stakeholders, claims, complaints, etc.	n/a	OK



SECTION 2. Quantifying GHG emissions and/or removals	Verified situation	Conclusion
2.1 Is the project location indicated? Confirm geographical coordinates	As per MR	OK
2.2 Are all GHG sources relevant to the project identified? Is any emission source missed? Check the site lay-out and confirm through site tour.	As per MR	OK
2.3 Confirm conformance with GHG program requirements: baseline and monitoring methodology - Applicability conditions. Please refer to the complete description of the applicability conditions and confirm that the project activity meets all the requirements.	As per validated PDD  With change to continuous gas chromatography	OK
2.4 By means of a a documentation assessment and a remote audit: List each technical component and equipment and check design parameters and actual status of installation and / or operation. Please check to ensure that all physical features of the proposed project are in place and operated according with the GHG program requirements. In cases where there are a large number of components and equipment items and the check of all of them is not an available option, then a random sampling check shall be performed. Justify here the sample chosen and describe the results.	<ul style="list-style-type: none"> <li>▪ Two Gas (piston) engine - electrical generator within an acoustic enclosure, type ECOMAX 11, equipped with a General Electric Jenbacher J416 GS-B01 gas engine, including all necessary auxiliary equipment.</li> <li>▪ Measurement devices: electronic gas DF6 Flowmeter “DFC 06”, type differential pressure and temperature recorder; tag no.: 1GHE-24-FC-001, ID serial no.: 5489.1.3.; +/- 0.5% accuracy.</li> <li>▪ Gas pipes supply system to the two gas engines</li> </ul> <p>No changes from the validated situation in the implementation of the project activity are reported by the project proponents and confirmed with all the documentation provided ans by means of the on site visit conducted on 09 June 2022.</p>	OK

SECTION 2. Quantifying GHG emissions and/or removals	Verified situation	Conclusion
2.5 List any monitoring aspect that is not specified in the criteria, procedure and/or methodology and check its compliance with the GHG program, for example: <ul style="list-style-type: none"> <li>• additional monitoring parameters</li> <li>• monitoring frequency</li> <li>• calibration frequency.</li> </ul>	There are no additional aspects	OK
2.6 Has the data been generated at the frequency required by the applied criteria, procedure and or methodology?	The frequency of gas flowmeter DFC6 calibration: 4 years according to the equipment manufacturer, as is not subject to national legal metrological control. The latest calibration of the equipment was conducted 19th August 2020 by S.C. Elcost Company S.R.L. During all the monitoring period (01/01/2021 – 31/12/2021) the gas flowmeter has been running correctly and under calibration	OK
2.7 Have types of measurement instrumentation used been described and specified?	Completely and transparently  By the on site visit, evidence on the set-up of the monitoring system is proved  The accreditation of the external service provider (gas analysis) has been checked and is in accordance with the requirements (ISO17025).  All devices are under regular maintenance.  Calibration requirements are met.	OK
2.8 Is the accuracy of equipment used for monitoring sufficient and regularly controlled and calibrated according to current good practice?  Check relevance of maintenance and calibration. Check relevance of laboratory analysis if necessary.	Electronic gas DF6 Flowmeter “DFC 06”, type differential pressure and temperature recorder; tag no.: 1GHE-24-FC-001, ID serial no.: 5489.1.3.; +/- 0.5% accuracy.  Gas analysis done twice per year by ICPT Campina (Institute for Research and Technology), accredited laboratory by Romania national accreditation body according ISO 17025	OK

SECTION 2. Quantifying GHG emissions and/or removals	Verified situation	Conclusion
2.9 Check responsibilities and authorities for monitoring and reporting. Are the monitoring results consistently recorded, reviewed and approved?	Responsibilities, roles and persons in charge of the monitoring and reporting are clearly established and displayed in the Monitoring Report  Raw values are consistently recorded, review and approved.  <b>See FAR#1</b>	See CL1  CL1 is cleared  <b>FAR#1</b>
2.10 Reporting period: Defined?	Yes  P2G Ghelinta VER#2: Mon.Period 01/01/2021 – 31/12/2021	OK
2.11 If the GHG program includes the determination of environmental and/or social indicators, have the sustainable development indicators been monitored?	Not relevant	-
2.12 Check monitoring of Environmental and Social indicators (if relevant) <ul style="list-style-type: none"> <li>• implementation of measures</li> <li>• monitoring equipment</li> <li>• quality assurance procedures</li> <li>• external data.</li> </ul>	Not relevant	-

## Monitoring Parameters and Calibration Checklist:

Complete the following table for each parameter:

Data / Parameter (as in the MP)	<Name and brief description>	<Name and brief description>
Value	Fuel consumption (associated gas volumes) (FCy) as Gas volume expressed as Nm <sup>3</sup> /y  3,590,931 Nm <sup>3</sup> in 2021	Net Calorific Value NCVrg measured in [GJ/Nm <sup>3</sup> ]  40,65 MJ/Nm <sup>3</sup> in 2021
Measuring frequency	Continuously metered, daily readings	Twice per year: summer and winter  During this monitoring period conducted on 24.06.2021 and 03.12.2021
Reporting frequency	Data are aggregated in a monthly basis	Twice per year
Recording (Manually / electronically / ...)	Electronically. From an Excel file values are aggregated	Manually. Reports from an external laboratory
QA/QC How are values verified? (Cross-checked, double-checked,)	Double check, "four eyes principle"	External laboratory: ICPT Campina (Institute for Research and Technology), accredited laboratory
Type of Monitoring Equipment and Identification number or Reference.	Flowmeter	Chromatograph
Period of operating time	Continuously	n/a
Instrument type	electronic gas type differential pressure and temperature recorder, +/- 0.5% accuracy.	Chromatography
Manufacturer, model and serial number	Douba Electronics, Model DFC6, tag no.: 1 GHE-24-FC-001, ID serial no.: 5489.1.3.	Daniel 700 gas chromatograph and a GasVLE software based on the gas equation of state
Specific location	Project site, in the Energy Database (ME HQ) at motors gas inlet	ICPT Campina
Calibration dates	Last calibration: 19th August 2020.	As per ICPT accreditation
Company performing the calibration	S.C. Elcost Company S.R.L.	n/a
Required calibration frequency represent good monitoring practices?	Previous calibration date: no records	n/a
Is calibration valid for the whole reporting period?	Yes	Yes
Maintenance	Not required	As per ICPT accreditation
Does the data management (from monitoring equipment to emission reductions calculation) ensure correct transfer of data and reporting of emission reductions?	Yes	As per ICPT accreditation
Key reporting risks	Data quality of baseline and project emissions Risk of data losses by monitoring approach (log-books copied only once per year) Treatment of mavericks corrections	Calculations Possible mistakes in excel sheets for ER calculation

SECTION 3. Assessment of data and calculation of GHG emission reductions	Verified situation	Conclusion
<p>3.1. Have calculations of baseline emissions, project activity emissions and emissions related and/or affected by the GHG project, as appropriate, been carried out in line with the formulae and methods described in the applied criteria, procedure and/or methodology? Check consistency in the ERs spreadsheet.</p>	<p>As per «UER G2P-Gheliņa_MR2021_Detailed quantification of emissions_v1_20220531»</p>	<p>OK</p>
<p>3.2. Has the calculation tool been correctly documented? Check its consistency and formulae.</p> <ul style="list-style-type: none"> <li>• baseline emissions</li> <li>• project emissions</li> <li>• controlled by the PP</li> <li>• related to the project.</li> <li>• affected by the project</li> <li>• emission reductions of the project.</li> </ul>	<p>«UER G2P-Gheliņa_MR2021_Detailed quantification of emissions_v1_20220531» Has been checked completed. No errors have been detected.</p>	<p>OK</p>
<p>3.3. Is a complete set of data available during the specified monitoring period? If only partial data is available because activity levels or non-activity parameters have not been monitored in accordance with the applied criteria, procedure and/or methodology, conduct an assessment of the potential impacts of these changes.</p>	<p>Data is embedded in the referenced Excel file; also monthly data has been provided and checked.  Raw data has been traced along the remote verification by sharing screen and displaying raw data sets.</p>	<p>OK</p>
<p>3.4. Has information provided for quantifying GHG emissions reductions been cross-checked with other sources such as plant log books, inventories, purchase records, laboratory analysis?</p>	<p>Yes</p>	<p>OK</p>
<p>3.5. Have appropriate emission factors, IPCC default values, and other reference values been correctly applied?</p>	<p>Yes Density of associated gas Standard conditions</p>	<p>OK</p>

## ANNEX 2: FINDING LIST AND NON-CONFORMITIES

Findings Non-conformities	Correction	Assessment Method for correction	Final Conclusion	Assessment
<p><u>Section 1, No.1: Information provided by the GHG report</u> <u>Section 3, No 1.8: QA/QC &amp; management systems</u></p> <p>As a result of verification 1 of the "Ghelinta G2P" project, a recommendation for improvements concerning QC/QA procedures was issued: "Recommendations for improvements: to increase the internal quality control of data and records, it is recommended to create a procedure and establish criteria to determine system outliers and threshold of values that should not be considered acceptable."</p> <p>During the verification visit to the project site on June 2022, it could be verified that the criteria for determining system outliers and threshold of values are being used; however, the MR V01 dated on 31 May</p>	<p>The description of data quality management has been enhanced in section 3.4 of version 2 of the monitoring report.</p>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Inspection</li> <li><input type="checkbox"/> Interview</li> <li><input checked="" type="checkbox"/> Check of docs</li> <li><input type="checkbox"/> Sample</li> <li><input type="checkbox"/> calculation</li> <li><input type="checkbox"/> Comparison</li> <li><input type="checkbox"/> Other</li> </ul>	<p>verico SCE's verification team has verified the implementation of an outlier identification system by using historical data and a comparison with those historical data of instantaneous and daily data recorded at the plant.</p> <p>The verification was carried out during the on-site audit on 9 June 2022 at the project site.</p> <p>However, neither the project developer nor the company responsible for the operation of the project has developed and implemented a written procedure specifying the process of review and acceptance or rejection of the instantaneous and/or daily values obtained in the project.</p> <p>It is therefore considered necessary that from the next monitoring</p>	<ul style="list-style-type: none"> <li><input type="checkbox"/> material non-conformity</li> <li><input type="checkbox"/> non-material non-conformity</li> <li><input checked="" type="checkbox"/> Forward Action Request</li> <li><input type="checkbox"/> issue corrected appropriately</li> </ul>

Findings Non-conformities	Correction	Assessment Method for correction	Final Conclusion	Assessment
<p>2022 does not contain information on this, nor a written document has been provided to the verico SCE verification team.</p> <p><u>Clarification Request #1</u></p> <p>Project developer is kindly requested to provide extended explanation related with the above mentioned recommendation for improvements in a new version of the Monitoring Report</p>			<p>period to which the actual verification report corresponds (01/01/2021 - 31/12/2021) an internal procedure be developed and implemented and confirm criteria to determine system outliers and threshold of values that should not be considered acceptable.</p> <p><b>FAR#1:</b> The project developer shall create and implement an internal procedure &amp; criteria to determine system outliers and threshold of values, so that it is operational for emission reductions to be monitored and generated from 1 January 2022 onwards.</p>	



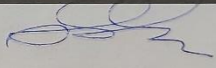
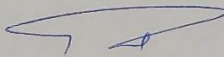


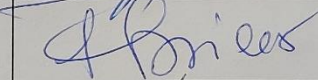
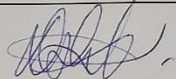
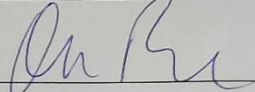
## Annex 3: List of reviewed documents

<b>General background information</b>	<ul style="list-style-type: none"> <li>/1/ COUNCIL DIRECTIVE (EU) 2015/652 of 20 April 2015 laying down calculation methods and reporting requirements pursuant to Directive 98/70/EC of the European Parliament and of the Council relating to the quality of petrol and diesel fuels</li> <li>/2/ DIN EN ISO 14064-2:2012; Greenhouse gases – Part 2: Specification with guidance at the project level for quantification, monitoring and reporting of greenhouse gas emission reductions or removal enhancements</li> <li>/3/ EU Guidance note, “Guidance note on approaches to quantify, verify, validate, monitor and report upstream emission reductions”</li> <li>/4/ Austrian Kraftstoffverordnung(KVO) dated 24 June 2020</li> </ul>
<b>Project-specific background:</b>	<ul style="list-style-type: none"> <li>/5/ Approved baseline methodology AM0009: Recovery and utilization of gas from oil fields that would otherwise be flared or vented --- Version 7.0, UNFCCC, 08 Nov 2013</li> <li>/6/ Methodological tool 06 -Tool to calculate project or leakage CO2 emissions from fossil fuel combustion--- Version 03.0, EB96, UNFCCC, 22 Sept 2017</li> <li>/7/ CDM methodological tool “Upstream leakage emissions associated with fossil fuel use”. --- Version 02.0, EB81, UNFCCC, 28 Nov 2014</li> </ul>
<b>Project-specific documents</b>	<ul style="list-style-type: none"> <li>/8/ UER G2P-Gheliņa_MR2021_Monitoring report v2_20220802_clean</li> <li>/9/ UER G2P-Gheliņa_MR2021_Detailed quantification of emissions_v1_20220531</li> <li>/10/ UER G2P-Gheliņa_MR2021_Monitoring report v1_20220531</li> <li>/11/ PDD_G2P-Gheliņa_UER-Project-Documentation_FV_2.1.pdf</li> <li>/12/ OMV Projects_Validation Statement_G2P Gheliņa v1.0 signed.pdf</li> <li>/13/ Agreement Mazarine - OMV Petrom_redacted</li> <li>/14/ Calibration Report_Flow Meter DFC-06_20200819</li> <li>/15/ Attachment 3_Gheliņa_Gas Analysis_Summer_20210624</li> <li>/16/ Attachment 3_Gheliņa_Gas Analysis_Winter_20211203</li> <li>/17/ Attachment 2_Monthly Report_Mazarine_2021-01</li> <li>/18/ Attachment 2_Monthly Report_Mazarine_2021-02</li> <li>/19/ Attachment 2_Monthly Report_Mazarine_2021-03</li> <li>/20/ Attachment 2_Monthly Report_Mazarine_2021-04</li> <li>/21/ Attachment 2_Monthly Report_Mazarine_2021-05</li> <li>/22/ Attachment 2_Monthly Report_Mazarine_2021-06</li> <li>/23/ Attachment 2_Monthly Report_Mazarine_2021-07</li> <li>/24/ Attachment 2_Monthly Report_Mazarine_2021-08</li> <li>/25/ Attachment 2_Monthly Report_Mazarine_2021-09</li> <li>/26/ Attachment 2_Monthly Report_Mazarine_2021-10</li> <li>/27/ Attachment 2_Monthly Report_Mazarine_2021-11</li> <li>/28/ Attachment 2_Monthly Report_Mazarine_2021-12</li> <li>/29/ Photographic and video documentation of actual G2P facility</li> </ul>

	<p><b>Calculation sheets:</b></p> <p>/30/ UER G2P-Ghelința_MR2021_Detailed quantification of emissions_v1_20220531</p>
--	--

## Annex 4


### List of Interviewed Persons On site visit 09 June 2022

Participant List:		
General		
Order No.	VE-UER-042	
Client	OMV Downstream GmbH	
Project	ISO 14064-2:2006 GHG PROJECT "G2P Ghelinta" Monitoring Period: 01/01/2021 – 31/12/2021	
Date of Audit	09 June 2022	
Name	Function / Company	Signature
DOBRE, MIHAI	Head of Energy	
Cristu Costel	Coord. e.c.	
Erdelyi Szabolcs	Operator	
ZAIET MIHAELA	Energy Efficiency OMV	
FLORICA LEONARD	Energy Efficiency OMV Petrom	
KURAU DELIHAN	OMV Downstream Ambit	
OLIVER PERCL	Energy Changes	

VE-UER-042 Ghelinta VER%232 - Participant list.docx - page 1/2

# Annex 4



Name	Function / Company	Signature
Luis Robles Olmos	verico SCE / Lead Auditor	

# Annex 5

## Appointment Certificates



# Ernennungsurkunde

## Certificate of Appointment

**Luis Robles Olmos**

erfüllt die Voraussetzungen der Prüfstelle der **verico SCE** und wird ernannt zum  
fulfills the requirements according to the guidelines of the verification body of **verico SCE** and is  
appointed as

### Lead Auditor / Technical Reviewer

für die folgenden Scopes/Sektoren  
for the following scopes/sectors

**ISO14064-1: 1, 6, 14, 15, 21**

**ISO14064-2: 1, 3, 7, 10, 13, 14, 15**

**CLIMA: 1, 3, 4, 7, 13, 15, 17**

Die Anforderungen des QM-Handbuches der Prüfstelle von **verico SCE** sind bindend.

The requirements of the QM-Manual of the verification body of **verico SCE** are binding.

Diese Ernennung gilt 5 Jahre.

This appointment is valid for 5 years.

Zertifikat Nr. 14064 A16 ISO14064-3

Langenbach, 08.03.2018

Javier Vallejo Drehs

ver-A10e-2013-06-24

ZERTIFIKAT CERTIFICATE





# Ernennungsurkunde

## Certificate of Appointment

**Werner Betzenbichler**

erfüllt die Voraussetzungen der Prüfstelle der verico SCE und wird ernannt zum  
fulfills the requirements according to the guidelines of the verification body of VERICO SCE and is  
appointed as

**Auditor / Lead Auditor / Technischer Rezensent**

**für Verifizierungen nach ISO 14064-3**

für die folgenden Scopes/Sektoren  
for the following scopes/sectors

**ISO14064-1: 1, 2, 4, 6, 7, 8 (AVR Scopes), 14, 17, 20**

**ISO14064-2: 1-13 (CDM Sektoren)**

Die Anforderungen des QM-Handbuches der Prüfstelle von verico SCE sind bindend.

The requirements of the QM-Manual of the verification body of verico SCE are binding.

Diese Ernennung gilt 5 Jahre.  
This appointment is valid for 5 years.

Zertifikat Nr. 14064 A9 ISO14064-3

Dr. Kolmetz

Langenbach, 6.7.2018

ver-A10e-2013-016-24

ZERTIFIKAT CERTIFICATE