



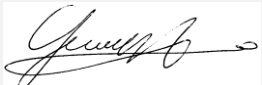
VERIFICATION REPORT VTRM RENEWABLE ENERGY



Document Prepared By RINA Services S.p.A.

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Summary:

RINA has performed the verification of the emission reductions reported for the "VTRM Renewable Energy" corresponding to monitoring period from 01 January 2022 to 31 December 2022, to review and determine the monitored reductions in GHG emissions have occurred as a result of the project activity.

The verification was conducted by means of document review, follow-up interviews and on site inspection, and the resolution of outstanding issues. The review of the VCS monitoring report and the subsequent follow-up interviews and audit have provided RINA with sufficient evidence to determine the fulfilment of stated criteria.

The objective of the verification is to have an independent review ex post determination of the monitored reductions in GHG emission reductions, verification was conducted using RINA procedures in line with the requirements specified in the VCS Verification Report Template version 4.2 requirements, Verified Carbon Standard: VCS Standard version 4.4 dated 17 January 2023 (final version), Verified Carbon Standard: VCS Validation and Verification Manual, version 3.2 dated 19 October 2016. and applying standard auditing techniques. The verification consisted of desk review, presential site assessment and the resolution of outstanding issues and the issuance of the final verification report and certification.

The verification shall ensure that reported emission reductions are complete and accurate in accordance with applicable VCS requirements in order to be certified.

This is the fourth verification assessment of "VTRM Renewable Energy" for the monitoring period of 01 January 2022 to 31 December 2022

The GHG emission reductions were calculated on the basis of the approved CDM methodology ACM0002: "Grid-connected electricity generation from renewable sources" version 19.0 of 31 August 2018 and the monitoring plan included in the validated VCS PD version 05 of 12 March 2019.

During the verification process 01 Corrective Action Requests (CARs), 03 Clarifications Request (CL) were raised.

In conclusion, it is RINA's opinion that the project activity "VTRM Renewable Energy" in Brazil, meets all relevant requirements for VCS standard and guidelines and correctly applies the baseline and monitoring CDM methodology ACM0002: "Grid-connected electricity generation from renewable sources" version 19.0. monitoring system is in place and the emission reductions are calculated without material misstatement. Hence, RINA is able to certify that the emission reductions from the project during the monitoring period 01 January 2022 to 31 December 2022 amount to 409,442 tCO₂e.

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1 INTRODUCTION

1.1 Objective

Votorantim Energia Participações S.A has contracted RINA Services S.p.A. (hereinafter referred to as RINA) to verify the project titled “VTRM Renewable Energy” (hereinafter referred to as the project). Wind power plants of Ventos do Araripe III Complex are located in municipality of Araripina (State of Pernambuco) and municipality of Simões and Curral Novo do Piauí (State of Piauí), northeastern region of Brazil.

Verification is the periodic independent review and ex-post determination by an accredited verification body of the monitored reductions in GHG emissions that have occurred because of the registered VCS project activity during a defined verification period.

A verification statement is the written assurance by a verification body that, during a specific period, a project activity achieved the emission reductions as verified.

The objective of this verification was to verify and provide a verification statement of emission reductions reported for the “VTRM Renewable Energy” for the period 01 January 2022 to 31 December 2022.

1.2 Scope and Criteria

The scope of verification is:

1. To verify that actual monitoring systems and procedures are in compliance with the monitoring systems and procedures described in the monitoring plan.
2. To evaluate the GHG emission reduction data and express a conclusion with a reasonable level of assurance about whether the reported GHG emissions reduction data is free from material misstatement.
3. To verify that reported GHG emissions data is sufficiently supported by evidence.
4. To verify that the stakeholder consultation carried out is relevant and there are mechanisms for on-going communication.

The VCS MR is reviewed against the criteria stated in the VCS Verification Report Template, Version 4.2 /10/, VCS Standard version 4.4 dated 19 September 2019, updated on 17 January 2023 (final version) /6/ and the relevant documents and policy announcements made by the VCS, and the criteria stated in the CDM methodology ACM0002: “Grid-connected electricity generation from renewable sources” version 19.0 of 31 August 2018

The verification shall ensure that reported emission reductions are complete and accurate in order to be verified.

1.3 Level of Assurance

RINA provides reasonable assurance that the “VTRM Renewable Energy” meets VCS criteria. To ensure complete transparency, any clarification or corrective actions raised have been included in the Appendix 2. The verification expresses a conclusion with a reasonable level of assurance about whether the reported GHG emission reduction data is free from material misstatement.

As per VCS Standard Version 4.4 /6/ (paragraph 4.1.8-4), the threshold for materiality with respect to the aggregate of errors, omissions, and misrepresentations relative to the total reported GHG emission reductions and/or removals shall be five percent for projects and one percent for large projects. The materiality of five percent is applicable to this project.

An audit has been performed on 11 May 2022 and it is confirmed that the monitoring arrangements in the monitoring plan are feasible within the project design. The data presented in the monitoring report were assessed by reviewing in detail project documentation, collection of monitored data, observation of established monitoring and reporting practices and assessment of the reliability of monitoring equipment. The implementation of the project activity was verified through pictures taken during the audit by RINA.

Therefore, it is RINA’s opinion that the claimed emission reductions are free from material errors, omissions or misstatements, with reasonable level of assurance.

All the revisions of the verification report before being submitted to the client were subjected to an independent internal technical review to confirm that all verification activities had been completed according to the pertinent RINA instructions, with reasonable level of assurance.

The technical review was performed by a technical reviewer(s) qualified in accordance with RINA’s qualification scheme for VCS and CDM validation and verification.

The verification team and the technical reviewers consist of the following personnel.

Role	Last Name	First Name	Country
Lead Assessor / Verifier / Technical Expert	Varkulya Jr.	Américo	External Auditor - Rina Brazil
Technical Reviewer	Carvalho	Thaís	RINA Brazil

1.4 Summary Description of the Project

Project Proponents	AUREN ENERGIA S.A.
Title of the project activity	VTRM Renewable Energy
Baseline and monitoring methodology	ACM0002: "Grid-connected electricity generation from renewable sources" version 19.0 of 31 August 2018
Location of the project activity	Wind power plants of Ventos do Araripe III Complex are located in municipality of Araripina (State of Pernambuco) and municipality of Simões and Curral Novo do Piauí (State of Piauí), northeastern region of Brazil.
Brief description of the project	The "VTRM Renewable Energy" is a Grouped Project, that consists on the implantation and operation of wind power plants (WPPs). All wind power plants supply clean electricity to the Brazilian National Interconnected System (SIN).
Monitoring period	01 January 2022 to 31 December 2022

2 VERIFICATION PROCESS

2.1 Method and Criteria

The verification consisted of the following three phases in accordance with the approved methodology, the VCS Standard version 4.4 /6/ and other relevant VCS requirements:

- A desk review of the project documents.

- Follow-up interviews with project stakeholders and on-site inspection. (For the dates, please, refer to the section 2.3 below)
- The resolution of outstanding issues and the issuance of the verification report and opinion.

During the audit it was made an open meeting, where RINA explained items related to audit verification process and project proponents had the opportunity to take doubts presented the project activity. Basically, the follow issues were verified during the audit:

- Project activity in the registered PDD
- Actual implementation and operation of the project activity
- Calibration, Maintenance procedures and storage data,
- Emission reductions calculations
- Quality control and quality assurance procedures
- Record and storage data

The following sections outline each step in more detail.

2.2 Document Review

The following tables list the documentation that was reviewed during the verification.

Documents provided by project participants.

/1/	Way Carbon VCS Monitoring Report for the project activity “VTRM Renewable Energy”, version 01, dated 11 April 2023; version 2, dated 21 June 2023; version 3 of 22 January 2024
/2/	E-mails beteewn CCEE and Auren Energia S.A. regarding the changing on energy measurement point and replacement of energy meter
/3/	Environmental Licences Ventos de Santo Estevão I: # 05.22.06.002712-9 issued by Agência Estadual de Meio Ambiente (CPRH) on 13 June 2022 and validity 12 June 2026. Ventos de Santo Estevão II: # 05.22.06.002711-2 issued by Agência Estadual de Meio Ambiente (CPRH) on 13 June 2022 and validity 12 June 2026.

	Ventos de Santo Estevão III: # 05.22.06.002710-5 issued by Agência Estadual de Meio Ambiente (CPRH) on 13 June 2022 and validity 12 June 2026. Ventos de Santo Estevão IV: # 05.22.06.002709-9 issued by Agência Estadual de Meio Ambiente (CPRH) on 13 June 2022 and validity 12 June 2026. Ventos de Santo Estevão V: # 05.22.06.002749-5 issued by Agência Estadual de Meio Ambiente (CPRH) on 13 June 2022 and validity 12 June 2026. Ventos de São Virgílio 01: # D000202/22 issued by Secretaria de Meio Ambiente e Recursos Hídricos (SEMAR) on 01 June 2022 and validity 01 June 2026. Ventos de São Virgílio 02: # D000209/22 issued by Secretaria de Meio Ambiente e Recursos Hídricos (SEMAR) on 02 June 2022 and validity 02 June 2026. Ventos de São Virgílio 03: # D000207/22 issued by Secretaria de Meio Ambiente e Recursos Hídricos (SEMAR) on 02 June 2022 and validity 02 June 2026. Ventos de Santo Onofre IV: # D000205/22 issued by Secretaria de Meio Ambiente e Recursos Hídricos (SEMAR) on 01 June 2022 and validity 01 June 2026. Ventos de Santo Augusto I: # D000661/21 issued by Secretaria de Meio Ambiente e Recursos Hídricos (SEMAR) on 24 November 2021 and validity 24 November 2025 Ventos de Santo Augusto II: # D000204/22 issued by Secretaria de Meio Ambiente e Recursos Hídricos (SEMAR) on 01 June 2022 and validity 01 June 2026 Ventos de Santo Augusto VI: # D000665/21 issued by Secretaria de Meio Ambiente e Recursos Hídricos (SEMAR) on 25 November 2021 and validity 25 November 2025 Ventos de Santo Augusto VII: # D000208/22 issued by Secretaria de Meio Ambiente e Recursos Hídricos (SEMAR) on 02 June 2022 and validity 02 June 2026 Ventos de Santo Augusto VIII: # D000203/22 issued by Secretaria de Meio Ambiente e Recursos Hídricos (SEMAR) on 01 June 2022 and validity 01 June 2026
/4/	Emission reduction calculation spreadsheet, version 1 ER VA3_2022_V01, received 11/04/2023 Emission reduction calculation spreadsheet Version 2 ER VA3_2022_V02, received 27 June 2021
/5/	Calibrations certificates: Until 11/04/2022: Energy meter 1

	• Main meter: MW – 1410A004-01 – Calibration Certificate #CCR 133/21, issued by Lactec, dated 08/02/2021. • Back up meter: MW – 1401A151-01 - Calibration Certificate #CCR 134/21, issued by Lactec, dated 08/02/2021. Energy meter 2 • Main meter: MW – 1410A005-01 - Calibration Certificate #CCR 135/21, issued by Lactec, dated 08/02/2021. • Backup meter: MW – 1401A427-01 - Calibration Certificate #CCR 136/21, issued by Lactec, dated 08/02/2021. From 12/04/2022 • Main meter: MW-2103A656-02 – Calibration Certificate issued by 3C Laboratory, dated 06/05/2021. • Backup meter: MW-1401A235-01 - Calibration Certificate #CCR 132/21, issued by Lactec, dated 08/02/2021.
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Standards, methodologies, and other guidance by the VCS

/6/	Verified Carbon Standard: VCS Standard version 4.4 dated 19 September 2019, updated on 17 January 2023 (final version).
/7/	Verified Carbon Standard: VCS Validation and Verification Manual, version 3.2 dated 19 October 2016.
/8/	Verified Carbon Standard: VCS Program Definitions version 4.2 dated 22 June 2022
/9/	Verified Carbon Standard: VCS Program Guide version 4.3 dated 19 September 2019, updated 17 January 2023 (final version).
/10/	Verified Carbon Standard: VCS Verification Report Template, VCS version 4.2 dated 19 September 2019 and updated on 21 December 2022 (final version)
/11/	RINA Accreditation: https://verra.org/9roject/rina-services-s-p-a/ .

/12/	VCS approved Project Description for the project activity “VTRM Renewable Energy”, version 05 dated 21 March 2019
/13/	CDM Executive Board: ACM0002: “Grid-connected electricity generation from renewable sources” version 19.0 of 31 August 2018
/14/	CDM Executive Board: TOOL01 - Methodological tool “Tool for the demonstration and assessment of additionality”, version 07.0.0.
/15/	CDM Executive Board: Guidelines for Application of materiality in verifications, version 02.0
/16/	CDM Executive Board: TOOL07 - Methodological tool “Tool to calculate the emission factor for an electricity system”, version 07.0
/17/	Verified Carbon Standard: VCS Monitoring Report Template, VCS version 4.2 dated 19 September 2019 and updated on 21 December 2022

Documentation used by RINA to validate / cross-check the information provided by the project participant.

/18/	VCS PD for project activity “VTRM Renewable Energy”, version 05 of 12 March 2019.
/19/	ANEEL PowerBI, https://app.powerbi.com/view?r=eyJrIjoiaNjc4OGYyYjQtYWM2ZC00YjllLWJlYmEtYzdkNTQ1MTc1NjM2liwidCI6IjQwZDZmOWI4LWVjYTctNDZhMi05MmQ0LWVhNGU5YzAxNzBlMSIsImMiOjR9
/20/	Assured energy https://biblioteca.aneel.gov.br/Acervo/Detalhe/173606?a=1&guid=1686267911277 • Ministry of Mines and Energy Ordinance #169 issued on 07 May 2015 for Ventos de São Virgílio 01. • Ministry of Mines and Energy Ordinance #170 issued on 07 May 2015 for Ventos de São Virgílio 03. • Ministry of Mines and Energy Ordinance #180 issued on 08 May 2015 for Ventos de Santo Onofre IV. • Ministry of Mines and Energy Ordinance #181 issued on 08 May 2015 for Ventos de Santo Estevão IV.
/21/	ANEEL Ordinance nr. 3,216 issued on 08-December-2016

/22/	Description of Energy meters applied in project activity, available at: https://www.se.com/br/pt/product-range/61053-ion8650/#overview
/23/	Pictures of energy meters
/24/	National Electric System Operator (ONS): http://www.ons.org.br/paginas/sobre-o-ons/procedimentos-de-rede/historico .
/25/	National Electric System Operator (ONS): Module 7 sub-module 7.11 : Implementation of the measurement system for billing. Grid procedures available at: Implantação do Sistema de Medição para Faturamento (ons.org.br)

/26/	Authorization for operation – ANEEL’s Dispatches: • Ventos de Santo Estevão I: # 1,810 dated 22 June 2017 (for UG1 to UG11). • Ventos de Santo Estevão II: # 1,243 dated 05 May 2017 (for UG7 to UG11), #1,368 dated 17 May 2017 (for UG1, UG2 and UG6) and #1,615 dated 06 June 2017 (for UG3 and UG5). • Ventos de Santo Estevão III: # 3,216 dated 08 December 2016 (for UG1 to UG13). • Ventos de Santo Estevão IV: # 3,358 dated 02 October 2017 (for UG1 to UG13). • Ventos de Santo Estevão V: # 277 dated 31 January 2017 (for UG11 and UG12) and #3,239 dated 12 December 2016 (for UG1 to UG10). • Ventos de São Virgílio I: # 2,714 dated 29 August 2017 (for UG1 to UG13). • Ventos de São Virgílio II: # 395 dated 09 February 2017 (for UG1 to UG5), #509 dated 17February 2017 (for UG6 and UG8) and # 562 dated 23 February 2017 (to UG7, UG9, UG10,UG11, UG12 and UG13). • Ventos de São Virgílio III: # 3,329 dated 28 September 2017 (for UG1 to UG9). • Ventos de Santo Onofre IV: # 1,684 dated 13 June 2017 (for UG1 to UG12). • Ventos de Santo Augusto I: # 508 dated 17 February 2017 (for UG1 to UG8). • Ventos de Santo Augusto II: # 3,404 dated 28 December 2016 (for UG1 to UG12). • Ventos de Santo Augusto VI: # 827 dated 23 March 2017 (for UG1 to UG4) and #836 dated 24 March 2017 (for UG5 to UG13). • Ventos de Santo Augusto VII: # 600 dated 03 March 2017 (for UG1 to UG4) (http://www2.aneel.gov.br/cedoc/dsp2017600ti.pdf) and #729 dated 15 March 2017 (for UG5 to UG8). • Ventos de Santo Augusto VIII: # 3,382 dated 23 December 2016 (for UG1 to UG8)
/27/	5th Annual Monitoring Report Environmental Conditions – RAAC, dated November 2022
/28/	6th Report on the Execution of Mitigating Measures and Environmental Programs (REMMPA), dated May 2023

/29/	Auren Register of Education and Social Programs (Instituto Votorantim) – Araripina Municipality, accessed on 03/07/2023 Auren Register of Education and Social Programs (Instituto Votorantim) – Simões Municipality, accessed on 03/07/2023
/30/	Grid emission factor: Available at: https://www.gov.br/mcti/pt-br/acompanhe-o-mcti/sirene/dados-e-ferramentas/fatores-de-emissao
/31/	Crosschecking energy generation spreadsheet “Geração.xlsx”
/32/	Steps of data downloading from CCEE “prints- energy CCEE.docx”

2.3 Interviews

On 11 May 2023 the verification team from RINA conducted audit of the “VTRM Renewable Energy” and performed interviews with project proponents’ staff.

	Date	Name	Organization	Role	Topic
/a/	11/05/2023	Henrique de P Barbosa	Auren Energia	O&M Wind Complexes Manager	Technical features Project implementation and operation
/b/	11/05/2023	Eduardo Baltar	WayCarbon	Consultant	Monitoring report and ER calculations
/c/	11/05/2023	Juliana J. Pedott	Auren Energia	Sustainability Manager	Environmental operation licenses, Project implementation
/d/	11/05/2023	Erivaldo Antonio Faria	Auren Energia	Operation	Energy measurements, monitoring and storage data

2.4 Site Visits

A complete desk review of the submitted VCS MR version 3 and previous versions /1/ and of the submitted ER spreadsheet version 02 /4/ and previous versions and supportive evidence have been checked by the Verification Team, verification was conducted using RINA procedures in line with the requirements specified in the VCS Verification Report Template version 4.2 /10/ requirements, Verified Carbon Standard: VCS Standard version 4.4 dated 17 January 2023 /6/ (final version), Verified Carbon Standard: VCS Validation and Verification Manual, version 3.2 dated 19 October 2016 /7/ and applying standard auditing techniques.

The Verification team has used the following alternative means for its assessment and to justify that they are sufficient for the purpose of verification:

- By review of VCS MR

- By taking follow up actions by conducted interview with PP, to gather information about knowledge of project design.
- By Cross-checking evaluation under the scope of all information and references provided in VCS MR. Details interviews, topics covered, and additional information presented in the above section “2.3– Interviews”.

2.5 Resolution of Findings

The objective of this phase of the verification was to resolve any outstanding issues that needed be clarified prior to RINA’s positive conclusion on the monitoring report.

A corrective action request (CAR) is issued if one of the following occurs:

- The project participants have made mistakes that will influence the ability of the project activity to achieve real, measurable additional emission reductions.
- There is a risk that emission reductions cannot be monitored or calculated.
- Non-conformities with the monitoring plan or methodology are found in monitoring and reporting, or if the evidence provided to prove conformity is insufficient.
- Mistakes have been made in applying assumptions, data or calculations of emission reductions which will impair the estimate of emission reductions.

A clarification request (CL) is raised if information is insufficient or not clear enough to determine whether the applicable VCS requirements have been met.

01 CARs and 03 CL were raised and have been adequately addressed by the project participant (refer to Appendix 2).

2.5.1 Forward Action Requests

A forward action request (FAR) is raised during verification to highlight issues related to project implementation that require review during the next verification of the project activity.

A forward action request (FAR) should be issued, where:

1. the actual project monitoring and reporting practices requires attention and /or adjustment for the next consecutive verification period, or
2. an adjustment of the MP is recommended.

No Forward action requests (FAR) were identified.

2.6 Eligibility for Validation Activities

As of the contractual service date with the client, RINA holds accreditation for validation and verification activities under sectoral scope 1 as set out by the eligibility guidelines set forth in the VCS Program Guide /9/ and as recognized by the VCS /11/.

3 VALIDATION FINDINGS

3.1 Participation under Other GHG Programs

The project has not participated or been rejected under any other GHG programs since validation or previous verification.

3.2 Methodology Deviations

Verification Team observed no methodology deviations during the process of verification of this monitoring period.

3.3 Project Description Deviations

The deviation of the following monitored parameter referent to the period from 01 January 2022 to 31 December 2022 was described on Monitoring Report version 3, dated 22 January 2024 /1/:

- Energy measurement point - the measurement points where the net electricity generation supplied by the project plant/unit to the grid is measured was changed in 12/04/2022, once the company Simões Transmissora de Energia Elétrica S.A, responsible the transmission of energy, took over the operation of the 230kV sector of the connection substation Curral Novo do Piauí II and the energy meter was changed and it is now located in the 230kV transmission line.

RINA verified that the change on location of energy meter is in line with CCEE (Brazilian Electric Energy Commerce Chamber) requirements through e-mails between Auren Energia S.A. and CCEE provided by project proponents /2/, demonstrating the acceptance of changing on energy measurement point and the respective date when it occurred.

Due to the change of energy meters to the 230kV transmission line, the energy meters were modified, RINA verified that the calibration certificates of energy meters /5/ are valid and that this change corresponds to the energy supplied by the project plant/unit to the grid in year y (MWh/yr), as required by ACM0002: "Grid-connected electricity generation from renewable sources" version 19.0.

RINA confirms that this deviation does not impact in the applicability of the methodology, additionality, or the appropriateness of the baseline scenario.

3.4 Grouped Project

No new project activity instances into the (grouped) project, in this monitoring period.

4 VERIFICATION FINDINGS

4.1 Project Implementation Status

As part of the audit, through observations of project activities and interviews with project personnel (see /a/ - /d/) RINA confirmed that the project has been implemented throughout this monitoring period as it was described in the monitoring report /1/.

The monitoring report was cross-checked against the monitoring plan submitted in the registered VCS PD&MR (version 05 of 12 March 2019) /18/ to ensure compliance in terms of GHG emission reduction calculations as well as monitoring occurrences. RINA also conducted interviews (see /a/ - /d/) to confirm that monitoring plans were implemented as described in the registered VCS PD&MR (version 05 of 12 March 2019) /18/

“VTRM Renewable Energy” is a grouped project that consists in the implementation and operation of wind power plants in Brazil. All plants supply clean electricity to the Brazilian National Interconnected System.

The project starting date is of VTRM Renewable Energy is on 09 December 2016 when the first wind turbine of of the Complex Ventos do Araripe III started its operation /21/. RINA also verified the values of assured energy are in line with data provided by ANEEL /20/ and the geographical coordinates of the proposed project activity, including positioning of each WTG of the power plants, were validated by RINA and through the ANEEL PowerBI /19/. The technical parameters verified during the audit for “VTRM Renewable Energy” are summarized in table below:

Power plant	Instlled Capacity (MW) /20/	WTGs	Assured Energy (MW - average) /20/	Location /3/	Commercial Operation /26/
Ventos de Santo Estevão I	25.3	11	12.40	Municipality of Araripina, Pernambuco State	23/06/2017
Ventos de Santo Estevão II	25.3	11	11.90	Municipality of Araripina, Pernambuco State	06/05/2017
Ventos de Santo Estevão III	29.9	13	14.20	Municipality of Araripina, Pernambuco State	09/12/2016
Ventos de Santo Estevão IV	29.9	13	14.20	Municipality of Araripina, Pernambuco State	03/10/2017
Ventos de Santo Estevão V	27.6	12	13.6	Municipality of Araripina, Pernambuco State	13/12/2016
Ventos de São Virgílio I	29.9	13	12.5	Municipality of Simões, Piauí state	30/08/2017
Ventos de São Virgílio II	29.9	13	16.70	Municipalities of Simões and Curral Novo do Piauí, Piauí state	10/02/2017
Ventos de São Virgílio III	20.7	9	9.20	Municipality of Simões, Piauí State	29/09/2017
Vesntos de Santo Onofre IV	27.6	12	13.6	Municipality of Simões, Piauí State	14/06/2017

Ventos de Santo Augusto VIII	18.4	8	9.0	Municipality of Simões, Piauí State	18/02/2017
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The verification team has determined whether the monitoring plan has been properly implemented and followed by PP that the monitoring has been carried out in accordance with the registered monitoring plan; and determined whether all parameters including project emission parameters, baseline emission parameters and leakage emission parameters used for emission reduction calculation stated in the registered monitoring plan are monitored or used appropriately as per the registered VCS PD&MR /18/

During the verification all monitoring parameters listed in Section 4.2 of MR /1/ were compared with monitoring parameters and the monitoring plan of the registered VCS PD&MR /18/ and have been verified with regard to appropriateness of the applied measurement determination method, the correctness of the values applied for ER calculation /4/, the accuracy and applied QA/QC measures.

In line with Guidelines for Application of materiality in verifications /15/ a reasonable level of assurance is defined for the verification of the project by complete verification of all the values indicated in the emission reduction spreadsheet at the document review stage and site. There are no material errors, omissions or misstatements. An inspection carried out by RINA during the audit confirmed that the control system at the wind power plants is automated and assures continuous operation

The GHG emission reductions or removals generated by the project have not become included in an emissions trading program or any other mechanism that includes GHG allowance trading.

The project has not received or sought any other form of environmental credit or has not become eligible to do so since validation or previous verification.

The project has not participated or been rejected under any other GHG programs since validation or previous verification.

The project has not sought or received any other form of GHG-related environmental credit, including renewable energy certificate, thus emissions related to scope 3 are not applicable.

The project sustainable development contribution was assessed and confirmed by the VVB through on site assessments and interviews (see /a/ - /n/) with project management team and with supporting documents provided by PP. The project contributes to the reduction of greenhouse gas (GHG) emissions by avoiding the use of non-renewable fuels. The project contributes to sustainable development of its region as follows:

- reduces greenhouse gas emissions (CO₂) from the Brazilian Interconnected System
- Generates extra income for the landowners, while they can continue using the area for other activities, thus it increases and diversifies the lands productivity;
- Stimulates the regional economy by increasing tax revenues for the local government and direct and indirect job opportunities for local workers and service suppliers;

- General improvement of the local infrastructure such as road, electricity transmission system and stimulus for education;
- Uses equipment which have a domestic content and therefore induce the development of national technology and improvement of domestic know-how;
- Stimulates the development of a proficient tertiary sector in the region, thus creating opportunities for education, professionalization and employment;
- Important complement and diversification to the run-of-river hydroelectric generation.

The project also contributes with the following Sustainable Development Goals as verified based on documents of projects description provided to Votorantim Institute /29/:

- 4c - number of teachers awarded with initiatives to improve public education,
- 6.1.1 - Proportion of population using safely managed drinking water services,
- 6.2.1 - Proportion of population using safely managed sanitation services, including a hand-washing facility with soap and water
- 13.0 - Tonnes of greenhouse gas emissions avoided or removed

Regarding the VCS, there are no validated methodologies deviations remain during this verification period.

Thus, it's RINA's conclusion that the project has been implemented as described in the project description.

4.2 Safeguards

4.2.1 No Net Harm

Project proponent provided the Operational Licenses /3/ and it was verified that the project is in line with Brazilian Environmental Law. It is important to point out that in the case of Brazilian environmental legislation, the Operation License is only issued after compliance with all the requirements required for the implementation of the project, including all mitigation actions resulting from the installation of the project.

Therefore, based on the Operating License provided by the Project Proponent, it is demonstrated that the project is in accordance with all steps required by Brazilian Environmental Legislation.

There are no significant negative environmental and social impacts related to the project activity, only low or medium impacts, as mentioned below:

- Noise during pre-construction, construction and operational activities;
- Dust generation during construction;
- Soil vibration during Geotechnical studies;
- Risk of soil contamination during construction;
- Increase of soil erosion;
- Increasing of traffic of vehicles in the region;
- Risk of incidents with animals and people during construction activities;
- Impacts on the original landscape;
- Loss of vegetal coverage;
- Decrease of animal's habitats;
- Risks with accidents with birds during operational phase;
- Increase of organic waste generation;
- Change on the dynamics of the ecosystem;
- Impacts on archeological heritage;
- Tension over population related to job creation;
- Decrease of jobs after construction phase;
- Impacts on the community's quality of life;

To mitigate these impacts, several actions were planned in the Environmental Basic Project /27/ and /28/. The main actions are presented as follows:

- ✓ Environmental Plan During Construction:
 - Construction Signaling Program;
 - Local Workers Training Program;
 - Program of Workers Protection and Safety;
 - Protection Program of Permanent Preservation Areas;
 - Program of Rational Vegetal Suppression;
 - Erosion Monitoring and Prevention;

- Wastewater Monitoring Program;
- Waste Management Program;
- Degraded Areas Program.
- ✓ Environmental Management Plan:
 - Monitoring Plan of Pre-Construction Environmental;
 - Social Communication Plan;
 - Environmental Education Program;
 - Fauna Rescue Program;
 - Fauna Monitoring Program;
 - Water Quality Monitoring Program;
 - Noise Monitoring Program;
 - Monitoring Program of Environmental and Social indicators of the region;
 - Monitoring Program of Violence Indicators;
 - Health Monitoring Program of communities;
 - Program for creation of a Committee of families impacted by the project;
 - Monitoring plan of land structure of the direct impacted area.
- ✓ Special Plans:
 - Plan for Archeological Identification, Rescue and Monitoring;
 - Plan for Paleontological Identification, Rescue and Monitoring;
 - Soil Vibration Monitoring Program;
 - Demobilization Plan.

4.2.2 Local Stakeholder Consultation

A public audience has been held as part of the environment impact assessment and one of the main channels of community participation at a local level before project construction. The local stakeholder consultation was conducted prior to validation as required by Para 3.16.2 of VCS Standard version 4.4 /6/

According to VCS PD&MR /18/ public hearing was performed and no negative comments were received. There are channels of communication with stakeholders to allow complaints and suggestions of local community.

4.3 AFOLU-Specific Safeguards

Not applicable since the “VTRM Renewable Energy” is not an AFOLU project.

4.4 Accuracy of GHG Emission Reduction and Removal Calculations

The GHG emissions reductions for the second project activity instance under the grouped project were calculated correctly on the basis of the baseline and monitoring methodology ACM0002 “Grid connected electricity generation from renewable sources” version 19.0 and the formulae given in the VCS PD&MR.

The net GHG emissions reduction calculation and removals applies the following formula:

$$ER_y = BE_y - PE_y - LE_y$$

Where:

- ER_y - Emission Reductions in year y (tCO₂e)
- BE_y - Baseline Emissions in year y (tCO₂e)
- PE_y - Project emissions in year y (tCO₂e)
- LE_y - Leakage emissions in year y (tCO₂e)

The baseline emissions are calculates as follows:

$$Bey = EG_{PJ, y} * EF_{grid, CM, y}$$

Where:

- BE_y - Baseline emissions in year y (t CO₂/yr)
- $EG_{PJ, y}$ - Quantity of net electricity generation that is produced and fed into the grid as a result of the implementation of the CDM project activity in year y (MWh/yr)

- $EF_{grid,CM,y}$ - Combined margin CO2 emission factor for grid connected power generation in year y calculated using the latest version of the “Tool to calculate the emission factor for an electricity system” (t CO2/MWh)

In case of “VTRM Renewable Energy”, as per applied baseline and monitoring methodology ACM0002 version 19.0, the emissions reductions (ERy) correspond to baseline emissions (BEy), as project emissions (PEy) and leakage (LEy) are zero.

The combined margin emission factor of the applicable electricity system is determined using the procedures in the “Tool to calculate the emission factor for an electricity system” version 07.0 /16/.

The Operating Margin (OM) emission factor ($EF_{grid,OM,y}$) is calculated ex-post for the grid by the Brazilian DNA applying the dispatch data analysis: Brazilian interconnected system, calculated as 0.4069 tCO2/MWh, based on public available data from 2022 /30/.

The Built Margin (BM) emission factor ($EF_{grid,BM,y}$) is determined ex-post for the grid by the Brazilian DNA applying option 2: Brazilian interconnected system, calculated as 0.0270 tCO2/MWh based on public available data from 2022 /30/.

The Combined Margin (CM) emission factor ($EF_{grid,CM,y}$), expressed in tCO2e/MWh, is established as 0.3119 tCO2/MWh for 2022 and calculated as per ACM0002 version 19.0, as by the weighted average as: $CM = (0.75 \cdot OM) = (0.25 \cdot BM)$.

RINA verified that the grid emission factor applied on emissions reduction calculation spreadsheet /4/ is in accordance with data available by the Brazilian DNA /30/.

$EG_{facility,y}$ is the net electricity generation supplied to the grid, which was derived from the main meters in the period from 01 January 2022 to 31 December 2022, which was verified by RINA and cross-checked by CCEE reports /31/, /32/ the total energy for this monitoring period is 1,312,787.59 MWh.

Data source and the emission reductions calculations provided in the CERs calculation spreadsheet /4/ were verified and are considered accurate.

For the monitoring period from 01 January 2022 to 31 December 2022, the emission reduction calculations are based on the following parameters:

Data and parameters fixed ex ante

The parameter available at the validation stage, which do not need to monitor during the crediting period, as per the registered VCS PD&MR are:

- The percentage share of total installed capacity of the specific technology: RINA verified that the value of 10.4% applied is correct as described in the registered VCS PD&MR /18/

- The total installed capacity of the technology: RINA verified that the value of 12,537,943 MW applied is correct as described in the registered VCS PD&MR /18/

As per applied baseline and monitoring methodology the following monitored parameters are applicable to VTRM Renewable Energy:

Data and parameters monitored:

		Assessment/ Observation																															
Data / Parameter: (as in monitoring plan):		EG _{facility,y} - Quantity of net electricity generation supplied by the project plant/unit to the grid in year y (MWh/yr)																															
Source of data to be used:		Energy meters																															
Value(s) of monitored parameter:		<table> <tr> <th>Year</th><th>Month</th><th>EG_{facility}</th></tr> <tr> <td rowspan="12">2022</td><td>January</td><td>35,201.57</td></tr> <tr> <td>February</td><td>36,989.38</td></tr> <tr> <td>March</td><td>83,816.76</td></tr> <tr> <td>April</td><td>77,124.11</td></tr> <tr> <td>May</td><td>135,509.24</td></tr> <tr> <td>June</td><td>156,272.02</td></tr> <tr> <td>July</td><td>185,248.65</td></tr> <tr> <td>August</td><td>176,906.29</td></tr> <tr> <td>Sptember</td><td>150,353.18</td></tr> <tr> <td>October</td><td>141,449.46</td></tr> <tr> <td>November</td><td>61,599.43</td></tr> <tr> <td>December</td><td>72,317.50</td></tr> <tr> <td colspan="2">Total</td><td>1,312,787.59</td></tr> </table>	Year	Month	EG _{facility}	2022	January	35,201.57	February	36,989.38	March	83,816.76	April	77,124.11	May	135,509.24	June	156,272.02	July	185,248.65	August	176,906.29	Sptember	150,353.18	October	141,449.46	November	61,599.43	December	72,317.50	Total		1,312,787.59
Year	Month	EG _{facility}																															
2022	January	35,201.57																															
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	November	61,599.43																															
	December	72,317.50																															
Total		1,312,787.59																															

Measuring / Reading / Recording frequency:	Verified during the site visit that data is continuously monitored, registered every 5 minutes and monthly recorded.
Is measuring and reporting frequency in accordance with the monitoring plan and monitoring methodology? (Yes / No)	Yes.
Type of monitoring equipment:	Bidirectional electricity meters manufactured by Power logic, model ION 8650, accuracy class 0.2%. /22/ The energy meters verified during the site visit are in line with the ones described in Monitoring report: Until 11/04/2022: Energy meter 1 • Main meter: MW – 1410A004-01 • Back up meter: MW – 1401A151-01 Energy meter 2 • Main meter: MW – 1410A005-01 • Backup meter: MW – 1401A427-01 From 12/04/2022 • Main meter: MW-2103A656-02 • Backup meter: MW-1401A235-01
Calibration frequency /interval:	5 years
Is the calibration interval in line with the monitoring plan and/or methodology? If the monitoring plan does not specify the frequency of calibration, is the selected frequency in accordance with the local/national standards, or as per the manufacturer's specifications (if local/national standards or	The interval is in accordance with national law and requirements

the manufacturer's specifications are not available, international standards may be used)?	
Is the calibration of measuring equipment carried out by an accredited person or institution?	The following calibrations certificates were provided /5/: Until 11/04/2022: Energy meter 1 • Main meter: MW - 1410A004-01 - Calibration Certificate #CCR 133/21, issued by Lactec, dated 08/02/2021, calibration date 05/02/2021 • Back up meter: MW - 1401A151-01 - Calibration Certificate #CCR 134/21, issued by Lactec, dated 08/02/2021, calibration date 05/02/2021 Energy meter 2 • Main meter: MW - 1410A005-01 - Calibration Certificate #CCR 135/21, issued by Lactec, dated 08/02/2021, calibration date 05/02/2021. • Backup meter: MW - 1401A427-01 - Calibration Certificate #CCR 136/21, issued by Lactec, dated 08/02/2021, calibration date 05/02/2021. From 12/04/2022 • Main meter: MW-2103A656-02 - Calibration Certificate issued by 3C Laboratory, issued and calibrated on 06/05/2021. • Backup meter: MW-1401A235-01 - Calibration Certificate #CCR 132/21, issued by Lactec, dated 08/02/2021, calibration date 05/02/2021.
Did calibration confirm proper functioning of monitoring equipment? (Yes / No):	Yes.
Is(are) calibration(s) valid for the whole reporting period?	Yes, all calibrations certificates were provided and are in line verification period /5/
How were the values in the monitoring report verified? If applicable, has the reported	Data in the monitoring report was cross checked against data collected from the meters available at outsourced agent's platform and electricity reports provided by

data been cross-checked with other available data?	CCEE - Electricity Chamber Company (energy meters) readings download during the visit. The energy data applied on emissions reductions calculations were also verified based values of invoiced electric energy also presented by CCEE website. It was made a comparison between the measured and invoiced values of energy and the lower values were applied /31/ /32/
Calculation method (if applicable).	N/A. The data is provided by CCCE

	Assessment/ Observation
Data / Parameter: (as in monitoring plan):	EF _{grid,CM,y} – CO2 emission factor of the Brazilian grid electricity during the year y
Source of data to be used:	Calculated as the weighted average of the dispatch data analysis Operating Margin (OM) and Build Margin (BM) from the Brazilian DNA. The value of BM is 0.270 tCO₂e/MWh and the value of OM is 0.4069 tCO₂e/MWh /30/. The Combined Margin (CM) emission factor (EF_{grid,CM,y}), expressed in tCO₂e/MWh, is calculated as per ACM0002 version 19.0, as by the weighted average as: CM = (0.75*OM) = (0.25*BM).
Value(s) of monitored parameter:	0.3119 tCO ₂ /MWh
Measuring / Reading / Recording frequency:	N/A
Is measuring and reporting frequency in accordance with the monitoring plan and monitoring methodology? (Yes / No)	N/A
Type of monitoring equipment:	N/A
Calibration frequency /interval:	N/A

Is the calibration interval in line with the monitoring plan and/or methodology? If the monitoring plan does not specify the frequency of calibration, is the selected frequency in accordance with the local/national standards, or as per the manufacturer's specifications (if local/national standards or the manufacturer's specifications are not available, international standards may be used)?	N/A
Is the calibration of measuring equipment carried out by an accredited person or institution?	N/A
Did calibration confirm proper functioning of monitoring equipment? (Yes / No):	N/A
Is(are) calibration(s) valid for the whole reporting period?	N/A
How were the values in the monitoring report verified? If applicable, has the reported data been cross-checked with other available data?	N/A
Calculation method (if applicable).	N/A

4.5 Quality of Evidence to Determine GHG Emission Reductions and Removals

RINA confirms the evidence used to determine the GHG emission reductions and removals were sufficient in quantity and has appropriate quality. It was verified during the audit that data used for calculations and to determine GHG emissions reductions and removals is consistent with those from the previous verification and thus calculations can be verified as accurate.

PP has established management systems, monitoring procedures, outlines of roles and responsibilities and QA/QC procedures which ensure consistent data collection, recordation and storage.

Implementation of these systems has been observed during the audit and actions are confirmed to be in accordance with the documented descriptions.

4.6 Non-Permanence Risk Analysis

Not applicable since the “VTRM Renewable Energy” is not an AFOLU project.

5 VERIFICATION OPINION

RINA Services S.p.A. (RINA) has performed verification of the emission reductions reported for the project activity “VTRM Renewable Energy” in Brazil, for the VCS monitoring period from 01 January 2022 to 31 December 2022, with regard to the relevant requirements for VCS rules.

It is the responsibility of RINA to express an independent verification opinion about the project’s conformity with the VCS requirements and procedures and on the reported greenhouse gas emission reductions from the project.

Based on documented evidence and corroborated by a onsite assessment RINA can confirm that:

- The project has been implemented and operated as per the registered VCS PD;
- The monitoring plan in the registered VCS-PD is as per the applied baseline and monitoring methodology.
- The monitoring report and other supporting documents provided are complete and verifiable and in accordance with the applicable VCS requirements.

It is RINA's opinion that the GHG emission reduction stated in the VCS monitoring report version 3 of 22 January 2024 for the "VTRM Renewable Energy" in Brazil for the period 01 January 2022 to 31 December 2022 are fairly stated. The GHG emission reductions were calculated correctly on the basis of the baseline and monitoring CDM methodology ACM0002: "Grid-connected electricity generation from renewable sources" version 19.0 of 31 August 2018

RINA is able to certify that the emission reductions from the "VTRM Renewable Energy" during the period 01 January 2021 to 31 December 2022 amount to 409,442 tonnes of CO₂ equivalent, detailed as below.

Verification period: From 01 January 2022 to 31 December 2022

Verified GHG emission reductions and removals in the above verification period, broken down by calendar year:

Year	Baseline emissions or removals (tCO ₂ e)	Project emissions or removals (tCO ₂ e)	Leakage emissions (tCO ₂ e)	Net GHG emission reductions or removals (tCO ₂ e)
Year 2022 (01 January 2022 – 31- Decemebr-2022)	409,442	0	0	409,442
Total	409,442	0	0	409,442

Year	Ex-ante emissions reductions /removals	Achieved emissions reductions/ removals	Percent difference	Justification for the difference
Year 2022 (01 January 2022 – 31- Decemebr-2022)	675,590	409,442	-39.4%	As per data verification during the audit RINA confirmed that: The electric energy generation as well as the grid emission factor were lower than the expected

APPENDIX 1: ABBREVIATIONS

Abbreviations	Full texts
CAR	Corrective Action Request
CDM	Clean Development Mechanism
CER(s)	Certified Emission Reduction(s)
CL	Clarification Request
CO ₂	Carbon dioxide
CO ₂ e	Carbon dioxide equivalent
DOE	Designated Operational Entity
FAR	Forward Action Request
GHG(s)	Greenhouse gas(es)
MR	Monitoring Report
PD	Project Description
PP(s)	Project Proponent(s)
RINA	RINA Services Spa
SS(s)	Sectoral Scope(s)
TA(s)	Technical Area(s)
UNFCCC	United Nations Framework Convention on Climate Change
VCS	Verified Carbon Standard
VCU	Verified Carbon Unit
VER	Voluntary Emission Reductions
VVB	Validation and Validation Board
VVS	Validation and Validation Standard

APPENDIX 2: LIST OF FINDINGS

Table 1: CARs from this validation/verification

CAR ID	01	Section no.	4.4	Date: 21/06/2023
Description of CAR				
Project proponents are requested to update the data of Brazilian grid emission factor as per latest available data. Moreover, also update the monitoring report and emission reduction spreadsheet				
Project participant response				Date: 22/06/2023
Emission reduction spreadsheet and MR were updated considering the latest available data.				
Documentation provided by project participant				
MR 1812_2022_V02_Clean; ER VA3_2022_V02				
DOE assessment				Date: 30/06/2023
The grid emission factor was properly updated. RINA verified the values as per data available on Brazilian DNA website.				
This CAR is closed.				

Table 2: CLs from this validation/verification

CL ID	01	Section no.	4.4	Date: 21/06/2023
Description of CL				
The document Executed Services Report, provided on file "RSV - PV 5821 - Lyon (Votorantim).pdf" describes a change on energy with different serial number from the energy meters described on monitoring report: MW-1401A237-01 and MW-2103A656-02, please clarify.				
Project participant response				Date: 22/06/2023
The executed Services Report, provided on file "RSV - PV 5821 - Lyon (Votorantim).pdf", describes that energy meters MW-1401A237-01 was replaced by MW-2103A656-02. MW-1401A237-01 was located at the 230kV Transmission Line where now happens the measurement of net electricity				
Documentation provided by project participant				
File "Dúvidas auditoria de carbono"				

DOE assessment	Date: 30/06/2023
The provided file clear demonstrates the replacement of energy meters occurred in project activity. This CL is closed	

CL ID	02	Section no.	4.4	Date: 21/06/2023
Description of CL				
Project proponent are request to provide calibration certificates of the following energy meters: MW – 1410A005-01 and MW – 1401A427-01				
Project participant response				Date: 22/06/2023
Calibration Certificates of meters MW – 1410A005-01 and MW – 1401A427-01 are provided to DOE.				
Documentation provided by project participant				
Files: CCR13521 and CCR13621				
DOE assessment				Date:30/06/2023
The calibration certificates were provided, and it was verified that the calibration period is in accordance with crediting period. This CL is closed.				

CL ID	03	Section no.	4.1	Date: 21/06/2023
Description of CL				
<i>Project proponents are requested to provide the operation license valid for the entire crediting period</i>				
Project participant response				Date: 22/06/2023
All licenses are provided to DOE.				
Documentation provided by project participant				
Licenses of all wind power plants.				

DOE assessment	Date: 30/06/2023
The operation licenses were provided, and it was verified that the calibration period is in accordance with crediting period. This CL is closed.	



CERTIFICATO DI QUALIFICA QUALIFICATION CERTIFICATE

Si attesta che il sig./sig.ra:
We declare that Mr/Mrs/Ms: VARKULYA Americo Junior

è qualificato come¹:
is qualified as: TL – VAL – VER – TEC

nello schema²:
for the scheme: CDM – JI – VCS – SCS – CCB – UER – ISO14064-2

per le seguenti aree tecniche:
for the following technical areas: 1.1 – 1.2 – 13.1

AREE TECNICHE TECHNICAL AREAS	DESCRIZIONE DELL'AREA TECNICA TECHNICAL AREA DESCRIPTION	SCOPO SETTORIALE SECTORAL SCOPE
1.1	Thermal Energy generation	1
1.2	Renewables	1
13.1	Waste Handling and Disposal	13

in accordo alle istruzioni dell'Unità responsabile (OU) per sostenibilità & cambiamenti climatici.
in accordance with the instructions of the responsible unit (OU) for the sustainability & climate change.

REVISIONE REVISION	DATA DATE	MOTIVAZIONI PER LA REVISIONE REASON FOR THE REVISION
0	04/03/2022	-

Il Resp. OU
Head of OU



¹ Legend:
VAL: Validator
VER: Verifier
TEC: Technical Expert
TL: Team Leader
FIN-EXP: Financial Expert
REG-EXP: Regional Expert
ITR: Independent Reviewer
DET: Determiner

² Legend:
CDM: Clean Development Mechanism
VCS: Verified Carbon Standard
GS4GG: Gold Standard for Global Goals
SCS: SocialCarbon Standard
JI: Joint Implementation
ISO14064-2: International standard 14064 part 2
UER: Upstream Emission Reduction
CCB: The Climate, Community & Biodiversity Alliance

RINA Services S.p.A. è accreditata da UNFCCC, quale Entità Operativa Designata (DOE), per condurre la Validazione e la Verifica di Progetti CDM, da VCSA per condurre la Validazione e la Verifica di Progetti VCS, da GS Foundation, per condurre la Validazione e la Verifica di Progetti GS, da Ecogine Institute per condurre la Validazione e la Verifica di report SCS.
RINA Services S.p.A. is accredited by the UNFCCC, as Designated Operational Entity (DOE), to carry out Validation and Verification of CDM Projects, by the VCSA, to carry out Validation and Verification of VCS Projects, by the GS Foundation, to carry out Validation and Verification of GS4GG Projects and by the Ecogine Institute, to carry out Validation and Verification of SCS Reports.

GHG_QUAL_CERT_EN(06-2021)

Page 1 of 1



CERTIFICATO DI QUALIFICA PER GLI SCHEMI VOLONTARI*
QUALIFICATION CERTIFICATE FOR VOLUNTARY SCHEMES*

Si attesta che il sig./sig.ra:
We declare that Mr/Mrs/Ms:

Thais De Lima Carvalho

è qualificato come:
is qualified as:

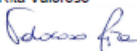
TEC, VAL, VER, TL, ITRP

per le seguenti aree tecniche:
for the following technical areas:

AREE TECNICHE TECHNICAL AREAS	DESCRIZIONE DELL'AREA TECNICA TECHNICAL AREA DESCRIPTION	SCOPO SETTORIALE SECTORIAL SCOPE
1.1	Thermal energy generation	1
1.2	Renewables	1
2.1	Electricity distribution	2
13.1	Solid waste and wastewater	13

REVISIONE REVISION	DATA DATE	MOTIVAZIONI PER LA REVISIONE REASON FOR THE REVISION
0	19/07/2016	First issue with new template (this certificate is linked to CDM qualification)

Responsabile di schema
Scheme Leader
Rita Valeroso



*SCHEMI VOLONTARI/ VOLUNTARY SCHEMES: ACR American Carbon Registry, CCB The Climate, Community & Biodiversity Alliance, GS Gold Standard, JI Joint Implementation, SCS Social Carbon Standard, VCS Verified Carbon Standard.

TEC: Technical expert; VAL: Validator; VER: Verifier; TL: Team leader; FIN EXP: Financial Expert; ITRP: Independent technical reviewer

RINA Services S.p.A. è accreditato/ricosciuto da
RINA Services S.p.A. is accredited/recognized by

UNFCCC	quali Entità Operativa Designata (DOE), per condurre la Validazione e la Verifica di Progetti CDM as Designated Operational Entity (DOE), to carry out Validation and Verification of CDM Projects
VCSA	per condurre la Validazione e la Verifica di Progetti VCS to carry out Validation and Verification of VCS Projects
GS Foundation	per condurre la Validazione e la Verifica di Progetti GS to carry out Validation and Verification of GS Projects
Ecologica Institute	per condurre la Validazione e la Verifica di rapporti SCS to carry out Validation and Verification of SCS Reports
American Carbon Registry ACR	per condurre la Validazione e la Verifica di Progetti ACR to carry out Validation and Verification of ACR projects
The Climate, Community & Biodiversity Alliance CCB	per condurre la Validazione e la Verifica di Progetti co-benefit CCB to carry out Validation and Verification of co-benefit CCB projects