

② BELOW 2

Documentation



620 tons | 1 Carbon Credit

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BELOW2.earth

CEO: Oliver T. Heilriegel, +49-151-5251-5251
COO: Gerrit Peters, +49-173-7818-497

548 Market Street PMB 27428
San Francisco CA 94104
United States of America

BELOW2 Inc.

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2 BELOW2

DEAR CUSTOMER,

with the purchase of this NFT, verified according to the BELOW2 standard, you are now owner of the equivalent value of 620 tons of CO₂eq. In this document and on the following pages you will find detailed information about the methods, the metrics, and the content of this offset. You have the option to keep this NFT and can declare this NFT invalid and thus make the CO₂ offset effective. It is no longer possible to reactivate it thereafter. However, the documentation for this NFT will remain and can be viewed by any interested person or institution.

Under the BELOW2 standard, we strive to present and document a result as precise as possible with regard to the carbon impact achieved. Therefore, you will find a large range of project data and corresponding third party data in this documentation. The totality of the documents, including the calculations shown in them, proves the content and accuracy of the carbon credit.

We thank you for your contribution in the fight against climate change!

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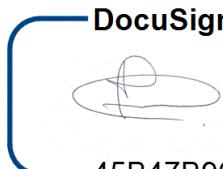
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DocuSigned by:



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oliver t. hellriegel

BELLOW2 Inc.

GLOSSARY

1. BELOW2

BELOW2 has developed an automation platform to verify C-Sink and C-Avoidance potentials easier, more efficiently, faster, and more transparent while improving the accuracy and transparency of the standard certificates in the market.

2. VERIFIED CARBON IMPACT (VCI)

VCI's represent different qualities of C-Sink (VCI-S) and C-Avoidance (VCI-A) potentials that have been applied, verified, and issued. There are several ways to buy carbon credits in the Voluntary Carbon Market (VCM).

The market differentiates between so-called nature-based carbon credits, which refer to, e.g., reforestation projects, mangroves, or blue carbon, and technology-based carbon credits, e.g., Biochar, wind power, or solar.

A further distinction is whether the avoidance or removal has occurred or is still to occur. The BELOW2 standard is, in both cases, based on the principle that only what can be proven by a suitable set of data, or at least predicted with high confidence, can be verified.

The nomenclature under the BELOW2 standard first unambiguously shows the buyer the purchased product's permanence. At the highest level, we speak of a VCI, a Verified Carbon Impact. The name suffixes further specify this. An "S" stands for Sink or Removal, and an "A" stands for avoidance, i.e., an action that leads to reduced emissions. The numerical specification refers to the permanence of the sequestered carbon and only occurs per se in removal cases. A "50" indicates that the carbon is sequestered for at least 50 years from the documentation time.

Avoidance projects never have permanence: Those cases are understood as a bridge solution that can only ever close a delta within a year and whose primary purpose is to provide a financial boost to new technologies and innovations and to accelerate them. The BELOW2 standard considers an avoidance case to be created in the future, and the evidence is provided by data from the past, combined with forecast calculations.

The proof must always be submitted with the realization of the project and then handed over to the customer. This rule generally applies to all cases that are not yet realized, including future removal cases, both from the natural and technological areas.

Consequently, this results in the following VCI's:

- VCI-S-1000: Binding carbon for a minimum of 1,000 years – e.g., Biochar or CCS
- VCI-S-50: Binding carbon for at least 50 years – in the form of wood or construction material
- VCI-A: Avoiding carbon dioxide emissions through, e.g., renewable energies

2.1. VCI-S-1000 (Biochar)

In this VCI-S-1000, sequestration is carried out by Biochar. When burned or decomposed, plant residues release the CO₂ they have bound. However, if plant residues are converted into plant charcoal in a pyrolysis process, a large proportion of the CO₂ is bound in the Biochar. Once this Biochar is spread on a field and incorporated into the soil, it is stable in the soil for over 1,000 years.

2.2. VCI-S-50 (Reforestation)

A forest absorbs CO₂ and releases CO₂ by composting old biomass. If the forest absorbs more CO₂ than it releases, this is VCI-S-50 sequestration. The CO₂ is stored in the woods for at least 50 years. The forest used in this NFT is a reforestation project. The owner commits to leaving the forest standing for at least 50 years, starting with the date of this documentation.

2.3. VCI-A (Local Heat from Renewable Energy)

The future emission of carbon is prevented. These projects include, e.g. solar and wind farms. The VCI-A are verified from local heating grids powered by renewable energy. In local heating grids, thermal energy from biogas plants is put into combined heat and power units and afterward distributed to nearby consumers. The local heat and electricity generated in the case originate from biogas plants and are considered CO₂-neutral.

The calculation and the documents on the verification can also be found in the appendix.

Calculation Data for this NFT/ Documentation

This library consists of 1 NFT representing 620 metric tons of CO₂ equivalent. The entire library is composed of Verified Carbon Impacts from different origins and different C-Sink and C-Avoidance effects. Thereby, all effects are transparent and scientifically verified. The corresponding documentation is attached to this library as supporting document.

1. 0,97% VCI-S-1000 (Biochar)

Amount of VCI-S-1000 in tons	Impact Creator
⁶	Bioenergie Dieckmann e. G.

This library contains 6 tons of VCI-S-1000, all of which is derived from biochar. The scientific equivalent value for one ton of biochar is 3.6667 tons. In the BELOW2 standard, 15% is subtracted from this value as a conservative buffer for production costs, logistics and other factors.

2. 50% VCI-A (Local Heat)

Amount of VCI-S-50 in tons	Impact Creator
310	Bigler KLG

This documentation contains 310 tonnes of VCI-A. These come from avoided CO₂ emissions of local heating networks working on renewable energies. We compare the aggregated CO₂ emissions to the overall emissions caused by heat supply in Switzerland. To determine this value, the kW/h of the local heating networks are set in relation to the general heat supply in Switzerland.

3. 49,03% VCI-A (Local Heat)

Amount of VCI-A in tons	Impact Creator
304	Entergetus S.A.

This documentation contains 304 tons of VCI-A. These come from avoided CO₂ emissions of local heating networks. We compare the aggregated CO₂ emissions to the overall emissions caused by heat supply in Portugal. To determine this value, the kW/h of the local heating networks are set in relation to the general heat supply in Portugal.

② BELOW2

VCI-S-1000

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VCI-S-1000: TABLE OF CONTENTS

The following documents were used to generate this NFT.

1. Impact Creators VCI-S-1000 Address
2. Certificate of Trade Registry
3. Equivalence Calculation and Deduction (Biochar)
4. Purpose Fertilizer to prove relevance as a Removal Verification
5. EBC Unit Certificate
6. EBC-Analysis
7. Import Documentation
 - a. Movement certificate EUR1_NoA_5855406
 - b. Delivery bill to Impact Creator LS0023
8. Declaration of Commitment

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Address Impact Creator:

LUCRAT GmbH
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Nummer der Eintragung	a) Firma b) Sitz, Niederlassung, inländische Geschäftsanschrift, empfangsberechtigte Person, Zweigniederlassungen c) Gegenstand des Unternehmens	Grund- oder Stammkapital	a) Allgemeine Vertretungsregelung b) Vorstand, Leitungsorgan, geschäftsführende Direktoren, persönlich haftender Gesellschafter, Geschäftsführer, Vertretungsberechtigte und besondere Vertretungsbefugnis	Prokura	a) Rechtsform, Beginn, Satzung oder Gesellschaftsvertrag b) Sonstige Rechtsverhältnisse	a) Tag der Eintragung b) Bemerkungen
1	2	3	4	5	6	7
1	<p>a) LUCRAT GmbH</p> <p>b) Steinfurt Geschäftsanschrift: Hollich 79, 48565 Steinfurt</p> <p>c) Produktion und der Vertrieb von Erzeugnissen zur Optimierung der Methanerzeugung in Biogasanlagen. Beratung und der Verkauf von Dienstleistungen und Erzeugnissen zur prozessbiologischen Optimierung von Biogasanlagen. Planung und Betreuung von Biogasanlagen hinsichtlich der Optimierung der Methanerzeugung. Produktion und der Vertrieb von Erzeugnissen zur Optimierung der Gasausbeute in zum Beispiel Kläranlagen. Entwicklung und Produktion von weiteren Produkten auf der Basis von Kohlen.</p>	25.000,00 EUR	<p>a)</p> <p>Ist nur ein Geschäftsführer bestellt, so vertritt er die Gesellschaft allein. Sind mehrere Geschäftsführer bestellt, so wird die Gesellschaft durch zwei Geschäftsführer oder durch einen Geschäftsführer gemeinsam mit einem Prokuristen vertreten.</p> <p>b)</p> <p>Bestellt als Geschäftsführer: Nefigmann, Sven, Steinfurt, *05.08.1975 einzelvertretungsberechtigt mit der Befugnis im Namen der Gesellschaft mit sich im eigenen Namen oder als Vertreter eines Dritten Rechtsgeschäfte abzuschließen.</p> <p>Bestellt als Geschäftsführer: Peters, Gerrit, Berlin, *10.03.1976 einzelvertretungsberechtigt mit der Befugnis im Namen der Gesellschaft mit sich im eigenen Namen oder als Vertreter eines Dritten Rechtsgeschäfte abzuschließen.</p>		<p>a)</p> <p>Gesellschaft mit beschränkter Haftung Gesellschaftsvertrag vom 09.04.2018</p>	<p>a)</p> <p>24.04.2018 Voosholz</p>

Equivalence calculation and deduction. (Biochar)

The following table shows average relative atomic masses, i.e., atomic weights, according to IUPAC

nat O 15.999 u

nat C 12.011 u

IUPAC Periodic Table of the Elements

1 H hydrogen 1.0080 ± 0.0002	2													18 He helium 4.0026 ± 0.0001				
3 Li lithium 6.94 ± 0.06	4 Be beryllium 9.0123 ± 0.0001	5	6	7	8	9	10	11	12	13	14	15	16	17				
11 Na sodium 22.990 ± 0.001	12 Mg magnesium 24.315 ± 0.002	Scandium	Titanium 47.987 ± 0.001	Vanadium 50.942 ± 0.001	Cr chromium 51.996 ± 0.001	Mn manganese 54.938 ± 0.001	Fe iron 55.845 ± 0.001	Co cobalt 58.933 ± 0.001	Ni nickel 58.693 ± 0.003	Cu copper 63.546 ± 0.003	Zn zinc 65.38 ± 0.02	Ga gallium 69.723 ± 0.001	Ge germanium 72.630 ± 0.008	As arsenic 74.922 ± 0.009	Se selenium 78.904 ± 0.003	Br bromine 79.985 ± 0.002	Kr krypton 83.798 ± 0.002	
19 K potassium 39.098 ± 0.001	20 Ca calcium 40.078 ± 0.004	Sc yttrium 87.606 ± 0.001	21 Sc scandium 87.42 ± 0.001	22 Ti titanium 91.224 ± 0.002	23 V vanadium 92.906 ± 0.001	24 Cr chromium 95.95 ± 0.01	25 Mn manganese 95.95 ± 0.01	26 Fe iron 101.07 ± 0.02	27 Co cobalt 102.91 ± 0.01	28 Ni nickel 106.42 ± 0.01	29 Cu copper 107.87 ± 0.01	30 Zn zinc 112.41 ± 0.01	31 Ga gallium 114.82 ± 0.01	32 Ge germanium 116.71 ± 0.01	33 As arsenic 118.71 ± 0.01	34 Se selenium 121.76 ± 0.01	35 Br bromine 126.90 ± 0.03	36 Kr krypton 131.29 ± 0.01
37 Rb rubidium 65.468 ± 0.001	38 Sr strontium 87.62 ± 0.01	39 Y yttrium 88.906 ± 0.001	40 Zr zirconium 91.224 ± 0.002	41 Nb niobium 92.906 ± 0.001	42 Mo molybdenum 95.95 ± 0.01	43 Tc technetium 97.97 [97]	44 Ru ruthenium 101.07 ± 0.02	45 Rh rhodium 102.91 ± 0.01	46 Pd palladium 106.42 ± 0.01	47 Ag silver 107.87 ± 0.01	48 Cd cadmium 112.41 ± 0.01	49 In indium 114.82 ± 0.01	50 Sn tin 116.71 ± 0.01	51 Sb antimony 121.76 ± 0.01	52 Te tellurium 127.60 ± 0.03	53 I iodine 126.90 ± 0.01	54 Xe xenon 131.29 ± 0.01	
55 Cs cesium 132.911 ± 0.01	56 Ba barium 137.33 ± 0.01	57 La lanthanum 138.91 ± 0.01	58 Ce cerium 140.12 ± 0.01	59 Pr praseodymium 141.02 ± 0.01	60 Nd neodymium 144.24 ± 0.01	61 Pm promethium 147.00 [149]	62 Sm samarium 150.36 ± 0.02	63 Eu europium 151.90 ± 0.02	64 Gd gadolinium 157.98 ± 0.03	65 Tb terbium 158.93 ± 0.03	66 Dy dysprosium 162.93 ± 0.01	67 Ho holmium 164.93 ± 0.01	68 Er erbium 167.93 ± 0.01	69 Tm thulium 173.93 ± 0.01	70 Yb ytterbium 178.97 ± 0.01	71 Lu lutetium 179.97 ± 0.01		
87 Fr francium [223]	88 Ra radium [226]	89-103 actinoids [267]	104 Rf rutherfordium [268]	105 Db dubnium [269]	106 Sg seaborgium [270]	107 Bh bohrium [270]	108 Hs hassium [269]	109 Mt meitnerium [277]	110 Ds darmstadtium [281]	111 Rg roentgenium [282]	112 Cn copernicium [285]	113 Nh nihonium [286]	114 Fl florium [286]	115 Mc moscovium [290]	116 Lv livornium [293]	117 Ts tennessine [294]	118 Og oganesson [294]	



For notes and updates to this table, see www.iupac.org. This version is dated 4 May 2022.
Copyright © 2022 IUPAC, the International Union of Pure and Applied Chemistry.

To calculate the ratio of CO₂ to C, molar masses are the determining factor. This is the mass of a standardized quantity of particles, also called a mole. CO₂ has a molar mass of 44.009 u per mole - for C it is 12.001u per mole. This results into a mass ratio of CO₂ to C of 44.009/12.011 = 3.664

According to natural science, the equivalent value of carbon - permanently stored in biochar - to carbon dioxide is therefore 3.664 tons. In the BELOW2 standard, we take this initial value and deduct it by 15% to account for the following factors.

- Emission from harvesting
- Emission from packaging
- Emission from biomass transport to facility
- Emission from big bag transport to facility

- Pile Emission
- Emission from diesel (front loader)
- Emission from regular fuel (saw)
- Emission from diesel (processing)
- Emission from diesel (loading)
- Emission from electricity

In total, the BELOW2 standard allows us to calculate a total CO₂ equivalent value of 3.11 metric tons.

If impact creators can make a higher value plausible and credible on the basis of specific certification, it is possible to adjust the individual value in the verification.

Sources:

European Biochar Certification , Guidelines Version 2.1 from 1st February 2021
ACS Publications: Greenhouse Gas Inventory Model for Biochar Additions to Soil, 12/2021

Purpose Fertilizer to prove as a Sink Certificate

All fermentation products containing Biochar are subject to German and EU fertilizer legislation. They are to be used as fertilizer on arable land in accordance with the legal obligations, e.g. the Wirtschaftsgüngernachweisverordnung (German Fertilizer Ordinance). A corresponding record of the fertilization and a subsequent reporting obligation must be complied with.

Brief explanations of the recording (§ 2) and reporting obligation (§3) according to WDÜngNachwV

Aufzeichnungspflicht (§ 2 WDÜngNachwV)

Jeder Betrieb, der Wirtschaftsdünger (WD) oder Stoffe, die Wirtschaftsdünger enthalten, in Verkehr bringt (an Andere abgibt), muss für das vorangegangene Kalenderjahr folgende Aufzeichnungen führen:

- Name, Anschrift, HIT-/ZID-Nr. des Abgebers
- Name, Anschrift, HIT-/ZID-Nr. des Empfängers
- abgegebene WD-Art und WD-Menge in t oder m³·Nährstoffgehalte (Gesamt-N, NH4N und P2O5 in kg/t bzw. m³)
- Name, Anschrift des Beförderers
- Halbjahreszeitraum der Lieferung

Diese Aufzeichnungspflichten sind erfüllt, wenn für jede Wirtschaftsdüngerabgabe ein Lieferschein ausgestellt und aufbewahrt wird. Die Erstellung der Lieferscheine kann mit dem „Meldeprogramm Wirtschaftsdünger NRW“ einfach und schnell durchgeführt werden.

Meldepflicht (§ 3 WDÜngNachwV)

Die aufgezeichneten Daten sind dem Direktor der Landwirtschaftskammer als Landesbeauftragtem bis spätestens zum 31. März für das jeweils vorangegangene Kalenderjahr zu übermitteln.

Die Meldungen sind ausschließlich elektronisch via Internet abzugeben. Schriftliche Meldungen auf dem Postweg oder per Fax sind nicht möglich.

Werden alle Lieferscheine zeitnah mit dem „Meldeprogramm Wirtschaftsdünger NRW“ erstellt, so muss die Jahresmeldung nicht mehr extra gemacht werden, da die Datenbank die Lieferscheininhalte zur Gesamtjahresmeldung aufsummiert.

Eurofins Umwelt Ost GmbH - Lindenstraße 11
 Gewerbegebiet Freiberg Ost - D-09627 - Bobritzsch-Hilbersdorf

**CarboFerm®:****Kapillarkohle für Biogasanlagen**

100% EBC – Holzkohle in Futterkohle-Qualität (Premium)

Title : **Test report for order 11835603**Test report number : **AR-19-FR-001611-01**Project name : **Pflanzenkohle gemäß EBC**Number of samples : **1**Sample type : **biochar**Date of sample taking : **2018-12-15**Sample Taker: **Client**Sampling Area: **Vica 32233**Sample reception date : **2018-12-19**Sample processing time : **2018-12-19 - 2019-01-21**

The test results refer solely to the analysed test specimen. Unless the sampling was done by our laboratory or in our sub-order the responsibility for the correctness of the sampling is disclaimed. This test report is only valid with signature and may only be further published completely and unchanged. Extracts or changes require the authorisation of the EUROFINS UMWELT in each individual case.

Our General Terms & Conditions of Sale (GTCS) are applicable, as far as no specific agreements do exist. The GTCS are available on <http://www.eurofins.de/umwelt/avb.aspx>.

Accredited test laboratory according to DIN EN ISO/IEC 17025:2005 notification under the DAkkS German Accreditation System for Testing. The laboratory is according (D-PL-14081-01-00) accredited.

Attachments[118142042_1](#)[118142042_2](#)

Sabine Bandemer

ASM

Phone +49 37312076608

Digitally signed 22.01.2019

William Homilius

Prüfleitung



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GF: Dr. Benno Schneider
 Axel Ulbricht, Daniel Schreier
 Amtsgericht Jena HRB 202596
 USt-ID.Nr. DE 151 28 1997

Bankverbindung: UniCredit Bank AG
 BLZ 207 300 17
 Kto 7000000550
 IBAN DE07 2073 0017 7000 0005 50
 BIC/SWIFT HYVEDEMME17

								Description			Pflanzenkohle, Bio-Ugalj		
								Date and time of sample taking			2018-12-15		
								Limit values			Sample number		
Parameter	Lab	Accr.	Method	GW 1 ar	GW 1 db	GW 2 ar	GW 2 db	LOQ	Unit		ar	db	
Biochar properties													
Bulk density	FR	JE02	DIN 51705: 2001-06						kg/m³				
specific surface (BET)	SUIB/o		DIN 66137/DIN ISO 9277						m²/g				
true density	SUIB/o		DIN 66137/DIN ISO 9277						g/cm³				
Protein, crude	FR	JE02	VDLUFA Methodenbuch Band III: 2014-09						% (w/w) dm				
Fat, crude	FR	JE02	VDLUFA Methodenbuch Band III: 2014-09						% (w/w) dm				
Crude fibre	FR	JE02	VDLUFA Methodenbuch Band III: 2014-09						% (w/w) dm				
Moisture	FR	JE02	DIN 51718: 2002-06					0.1	% (w/w)	-	10.1	-	
Ash content (550°C)	FR	JE02	analog DIN 51719: 1997-07					0.1	% (w/w)				
HCl-unsoluble ash	SA06/o		VDLUFA III 8.2						Ma.-% Raw Product				
Fluor total (F)	SA06/o	RE000 3D	VDLUFA VII, 2.2.2.1				150		mg/kg 88% DM				
Hydrogen	FR	JE02	DIN 51732: 2014-07					0.1	% (w/w)				
Carbon	FR	JE02	DIN 51732: 2014-07		> 50		> 50	0.2	% (w/w)	-	80.8	89.8	
Total nitrogen	FR	JE02	DIN 51732: 2014-07					0.05	% (w/w)				
Oxygen	FR	JE02	DIN 51733: 2016-04						% (w/w)				
Total inorganic carbon (TIC)	FR	JE02	DIN 51726: 2004-06					0.1	% (w/w)				
carbonate-CO2	FR	JE02	DIN 51726: 2004-06					0.4	% (w/w)				
carbon (organic)	FR	JE02	berechnet						% (w/w)				
H/C ratio (molar)	FR	JE02	berechnet		< 0.6		< 0.6			-	0.12	0.12	
H/Corg ratio (molar)	FR	JE02	berechnet		< 0.7		< 0.7						
O/C ratio (molar)	FR	JE02	berechnet		< 0.4		< 0.4						
Sulphur (S), total	FR	JE02	DIN 51724-3: 2012-07					0.03	% (w/w)				
pH in CaCl2	FR		DIN ISO 10390: 2005-12	10		10							
Conductivity	FR		BGK III. C2: 2006-09					5	µS/cm				
salt content	FR		BGK III. C2: 2006-09					0.005	g/kg				



Lieferschein

Lieferscheinnr.: LS0023
 Kundennr.: 10016
 Kunden-USt-IdNr.: DE279351020
 Datum: 16.07.2018
 Lieferdatum: 16.07.2018

LUCRAT GmbH, Hollich 79, 48565 Steinfurt (Westfalen)

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 38350 Helmstedt

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 www.lucrat.de

Wie vereinbart liefern wir Ihnen:

Pos.	Bezeichnung	Menge
1	Prozesshilfsstoff - CarboFerm in €/kg netto im BigBag CarboFerm als Prozesshilfsstoff zur Prozessoptimierung der Fermenterbiologie BigBag-Serial-Nr.: 011/18 bis 034/18	12.000
2	Transport- /Lieferkosten unentladen frei Lieferort	1

Lieferung ab Werk

Vielen Dank für Ihren Auftrag.

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 www.lucrat.de

USt-IdNr.: DE815757314
 Steuernummer: 311/5876/0576
 Amtsgericht Steinfurt
 HRB 11926
 Geschäftsführer: Gerrit Peters, Sven
 Nefigmann

LUCRAT GMBH
 Postbank
 IBAN: DE94 4401 0046 0399 6194 68
 BIC: PBNKDEFF

MOVEMENT CERTIFICATE

(address, country)

EUR. 1 No A 5855406

See notes overleaf before completing this form.

2. Certificate used in preferential trade between

SERBIAand
EU

(Insert appropriate countries, groups of countries or territories)

3. Consignee (Name, full address, country) (Optional)

LUCRAT GmbH
Hollrich 79
48565 STEINFURT
GERMANY

4. Country, group of countries or
territory in which the products
are considered as originating**SERBIA**5. Country, group of countries or
territory of destination**GERMANY**

6. Transport details (Optional)

7. Remarks

8. Item number; Marks and number; Number and kind of packages⁽¹⁾; Description of goods9. Gross
mass (kg)
or other
measure
(litres, m³
etc.)10. Invoices
(Optional)

24/bags EBC-BUCHENKOHLE FINE FRACTION,ERC-EICHENKOHLE FINE FRACTION

12.066KG

11. CUSTOMS ENDORSEMENT

Declaration certified

Export document⁽²⁾Form No *7931*

Of:

Customs office:

Issuing country:

Place and date:

Макана/Угренорит

(Signature)



12. DECLARATION BY THE EXPORTER

I, the undersigned, declare that the goods
described above meet the conditions
required for the issue of this certificate.

Place and date:

20.03.2018

(Signature)

⁽¹⁾ If goods are not packed, indicate number of articles or state "in bulk" as appropriate.⁽²⁾ Complete only where the regulations of the exporting country require.

Bioenergie Dieckmann GmbH & Co KG
Johannes Dieckmann
Vorsfelder Str. 1

38350 Helmstedt

LUCRAT GmbH
Herr Sven Nefigmann
Hollich 79

48565 Steinfurt

Helmstedt, den 20.02.2021

Declaration of Commitment

To whom it may concern,

with this letter we agree, that LUCRAT GmbH is entitled to certify and market the EBC Premium biochar under the name CarboFerm purchased by us.

In order to achieve a certification within the body of EU legislation we will provide:

- A documentation of how the biochar has been used in the fermentation process.
- A documentation of how the biochar has been used as fertilizer after it left the fermentation.

LUCRAT GmbH is carrying all costs related to the certification process. With this letter we additionally confirm that the biochar has and will not be used for any other certification system.

With kind regards,
Johannes Dieckmann

Johannes Dieckmann
Bioenergie Dieckmann
GmbH & Co. KG
Vorsfelder Str. 1, 38350 Helmstedt
Tel.: 05351 - 37281
Fax: 05351 - 33002

Date, Place, Signature, Company Stamp

Bioenergie Dieckmann GmbH & Co KG

Johannes Dieckmann

Vorsfelder Str. 1

38350 Helmstedt

LUCRAT GmbH

Herr Sven Nefigmann

Hollich 79

48565 Steinfurt

Helmstedt, den 20.02.2021

Selbstverpflichtungserklärung

An alle, die es betrifft,

mit diesem Schreiben erklären wir uns einverstanden, dass die LUCRAT GmbH berechtigt ist, die von uns erworbene EBC Premium Biokohle unter dem Namen CarboFerm® zu zertifizieren und die damit erwirken Zertifikate zu vermarkten.

Um eine Zertifizierung im Rahmen der EU-Gesetzgebung zu erreichen, werden wir Folgendes vorlegen:

- Eine Dokumentation, wie die Biokohle im Fermentationsprozess eingesetzt wurde
- Eine Dokumentation, wie die Biokohle nach der Fermentation als Düngemittel verwendet wurde

Die LUCRAT GmbH trägt alle mit dem Zertifizierungsprozess verbundenen Kosten. Mit diesem Schreiben bestätigen wir zusätzlich, dass die Biokohle nicht für ein anderes Zertifizierungssystem verwendet wurde und wird.

Mit freundlichen Grüßen,

Johannes Dieckmann

26/02/2021 Helmstedt
Bioenergie Dieckmann
GmbH & Co KG
Vorsfelder Str. 1, 38350 Helmstedt
Tel.: 05351 - 9726
Fax: 05351 - 33002

② BELOW2

VCI-A

BELOW2 Inc.

↑

548 Market Street PMB 27428
San Francisco CA 94104
United States of America

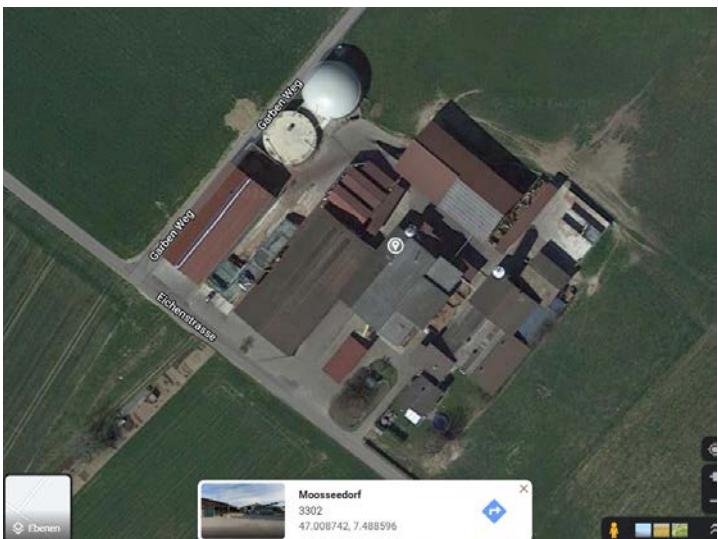
+1 (650) 488-4111
info@BELOW2.earth
BELOW2.earth

CEO: Oliver T. Hellriegel, +49-151-5251-5251
COO: Gerrit Peters, +49-173-7818-497

2 BELOW2

Address Impact Creator:

Bigler KLG
Eichenstrasse 63
3302 Moosseedorf



Impact Creator Place: Eichenstrasse 63 | 3302 Moosseedorf

+1 (650) 488-4111
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United States of America

BELOW2 Inc.

1

↑

2 BELOW2

VCI-A: TABLE OF CONTENTS

The following documents were used to generate this NFT.

1. Impact Creators VCI-A Address

Bigler KLG
Eichenstrasse 63
3203 Moosseedorf

2. Company Details and proof of existence

3. Combined Heat and Power (CHP) Expertise Calculation

4. Meter Proof

5. Proof of sold heat

6. Declaration of Commitment

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Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Schweizerisches Handelsamtssblatt SHAB
Feuille officielle suisse du commerce FOSC
Foglio ufficiale svizzero di commercio FUSC
Swiss Official Gazette of Commerce SOGC

Rubrik: Handelsregistereintragungen
Unterrubrik: Neueintrag
Publikationsdatum: SHAB 07.01.2021
Meldungsnummer: HR01-1005065120

Publizierende Stelle

Bundesamt für Justiz (BJ), Eidgenössisches Amt für das Handelsregister, Bundesrain 20, 3003 Bern

Neueintragung Bigler KLG, Moosseedorf

Bigler KLG
Eichenstrasse 63
3302 Moosseedorf

Bigler KLG, in Moosseedorf, CHE-391.860.601, Eichenstrasse 63, 3302 Moosseedorf, Kollektivgesellschaft (Neueintragung). Beginn: 01.01.2021. Zweck: Zweck der Gesellschaft ist nebst der Führung von Landwirtschaftsbetrieben das Erzeugen von Energie in Form von Strom und Wärme. Die Gesellschaft kann Zweigniederlassungen errichten, sich an anderen Unternehmungen des In- und Auslandes beteiligen, gleichartige oder verwandte Unternehmen erwerben oder sich mit solchen zusammenschliessen, Grundstücke erwerben oder veräussern sowie alle Geschäfte eingehen und Verträge abschliessen, die geeignet sind, den Zweck der Gesellschaft zu fördern, oder die direkt oder indirekt damit im Zusammenhang stehen. Eingetragene Personen: Bigler, Manuela, von Worb, in Moosseedorf, Gesellschafterin, mit Einzelunterschrift; Bigler, Rudolf, von Worb, in Moosseedorf, Gesellschafter, mit Einzelunterschrift; Bigler, Simon Yannic, von Worb, in Moosseedorf, Gesellschafter, mit Einzelunterschrift.

Tagesregister-Nr. 3 vom 04.01.2021

Kontaktstelle: Handelsregisteramt des Kantons Bern



SHAB 210107/2021 - 07.01.2021

Kategorien: Neugründung



Publikationsnummer: [HR01-1005065120](#), Handelsregister-Amt Bern, (36)

Bigler KLG, in Moosseedorf, CHE-391.860.601, Eichenstrasse 63, 3302 Moosseedorf, Kollektivgesellschaft (Neueintragung).

Beginn:

01.01.2021.

Zweck:

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[Bigler, Simon Yannic](#), von Worb, in Moosseedorf, Gesellschafter, mit Einzelunterschrift.

CALCULATION OF VCI-A

LOCAL HEATING POWER

The calculation is based on the following reference data.

CHE:

	CO2 emissions per kWh heat output	Share of heat output in Switzerland	Weighted CO2 emissions per kWh
Oil	0,308	43,40%	0,134
Natural gas	0,228	15,40%	0,035
Power	0,04	26,30%	0,011
District heating	0,161	2,90%	0,005
Other	0,071	12,00%	0,009
			0,192 kg CO2eq/kWh heating heat
Reduction of CO2 eq. by 10%		0,173	kg CO2eq/kWh heating heat

Source:

Overall Energy Statistics, Swiss Federal Office of Energy, 2021:

<https://www.bfe.admin.ch/bfe/en/home/supply/statistics-and-geodata/energy-statistics/overall-energy-statistics.html>

WWF Switzerland:

<https://www.wwf.ch/sites/default/files/doc-2018-10/2018-06-Factsheet-NaturalGas-Biogas-PtG.pdf>

SienceDirct | Decarbonization strategies for Switzerland:

<https://reader.elesvier.com/reader/sd/pii/S030142152000192?token=41DC4C0BA9D450AF42A94F7EF8C21375F1170B4443BFE9A01BA638D95213F0E5E218230C13874E69B053365B478B0DC8&originRegion=eu-west-1&originCreation=20220810235357>

Umweltbilanz Strommix Schweiz Im Autrag des Bundesamts für Umwelt (BAFU):

https://treeze.ch/fileadmin/user_upload/downloads/589-Umweltbilanz-Strommix-Schweiz-2014-v3.0.pdf

DETERMINATION OF THE AMOUNT TONS

A total of **2,847,486 kWh** of generated local heating power was detected.

In the last 18 months, a total of **1,245,959 kWh** of consumption has been verified, which leads to conclusions about future consumption.

For the production of **VCI-A**, **1,791,907 kWh** is generated by the production of the following plans using the following serial numbers:

- **72191949**
- **80751256**
- **71998902**
- **61964336**

1,791,907 kWh

X 0.173 Kg CO₂eq / kWh HEAT

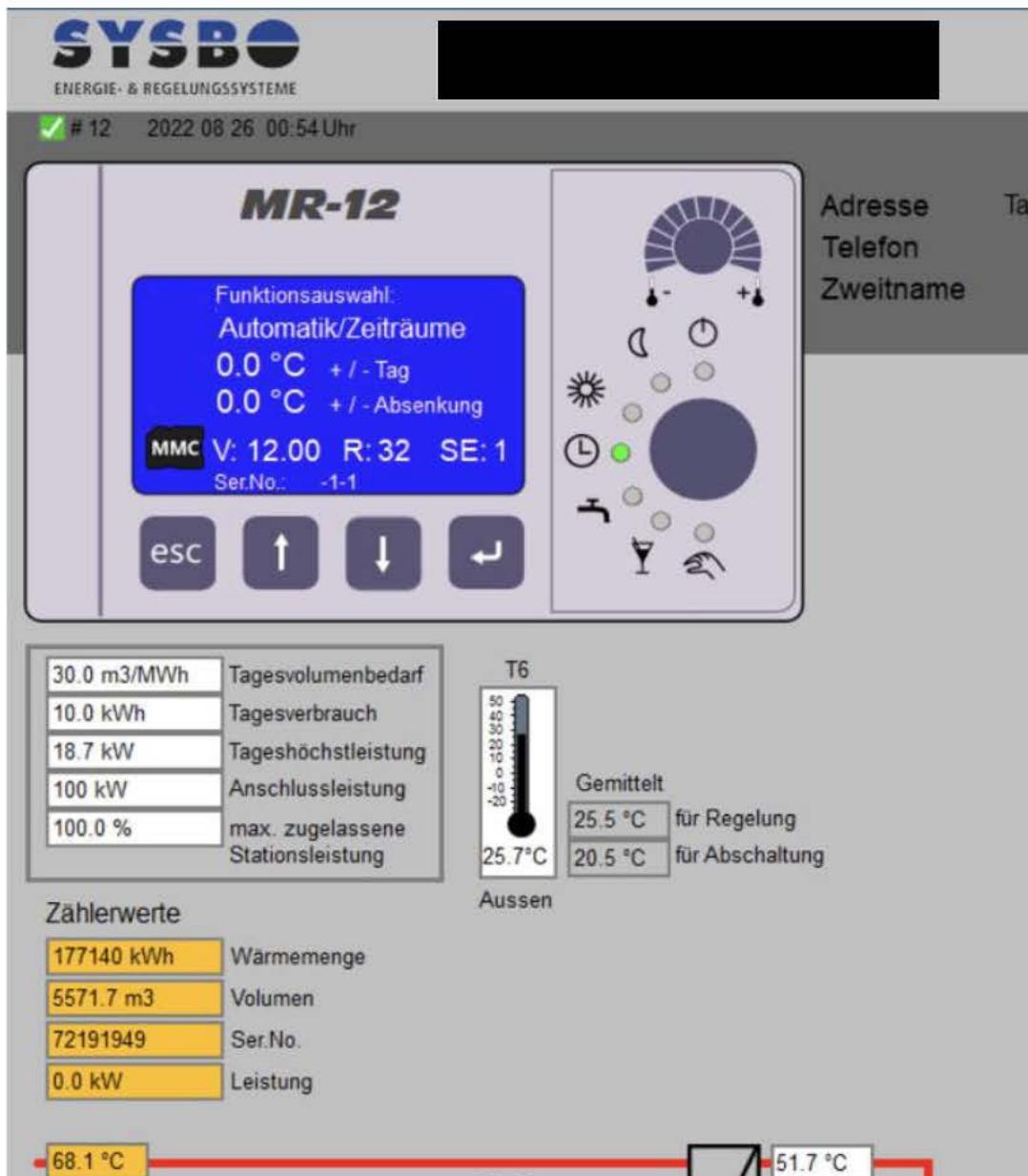
= 310 CO₂eq / Tons

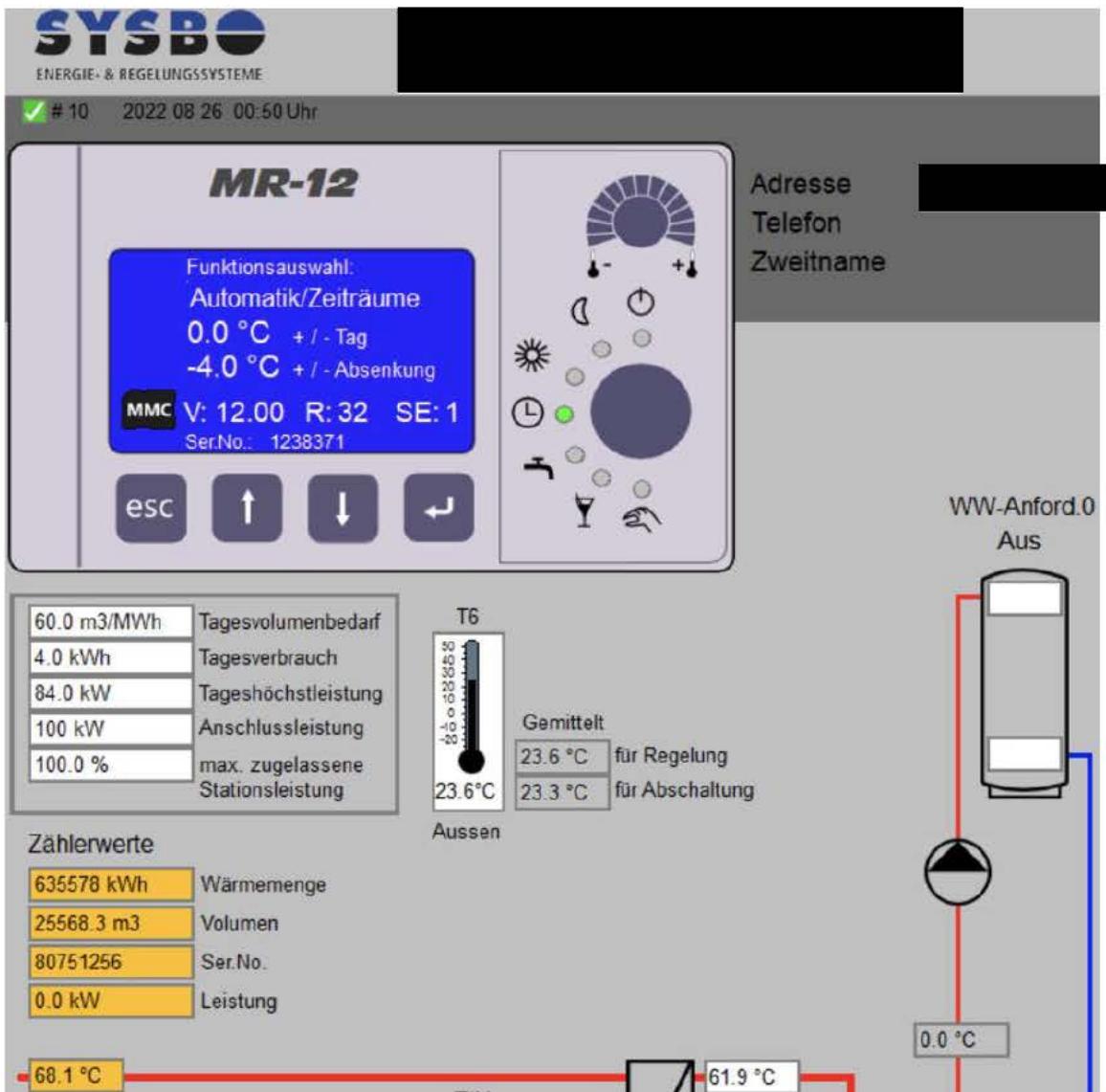
METER DATA

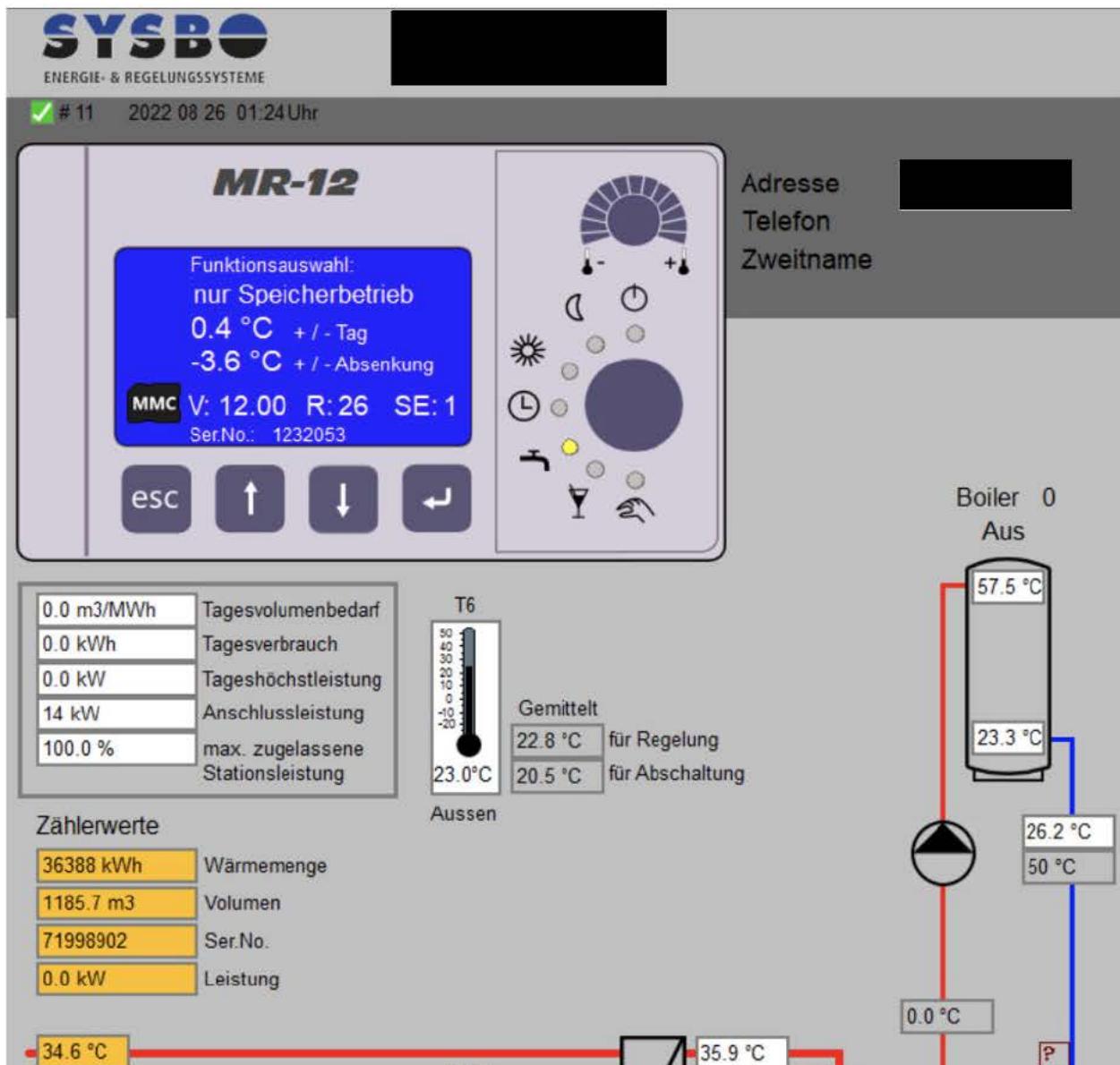
Eight meters for production and heat consumption were used as evidence for the measurement.

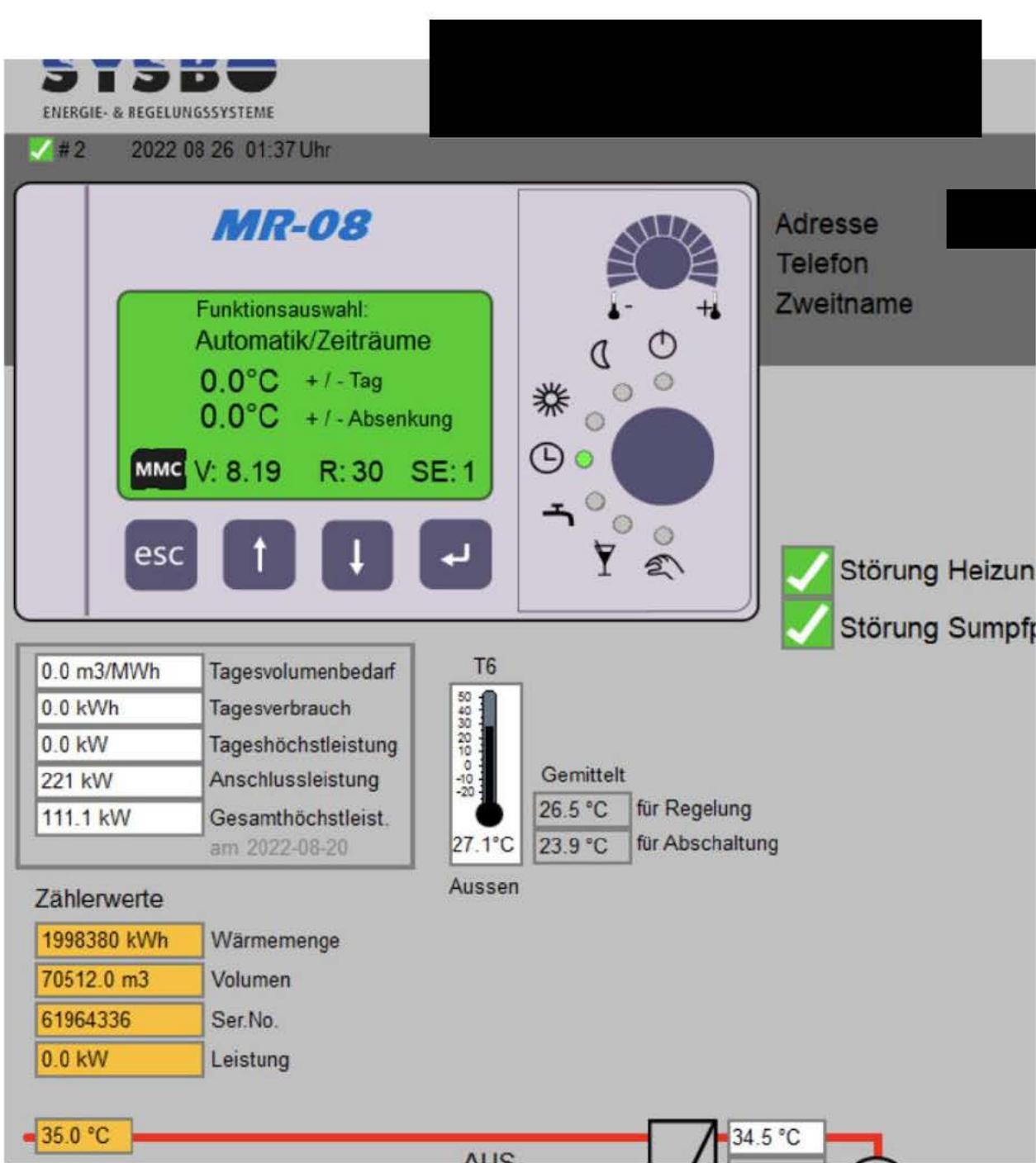
Four of these meters are located in the heat centre, from which heat is produced by the CHP plant and the boiler.

As shown in the attached plan, two pipes lead to the consumers



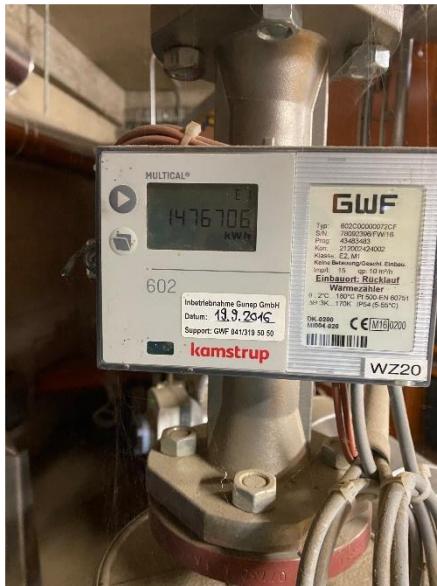


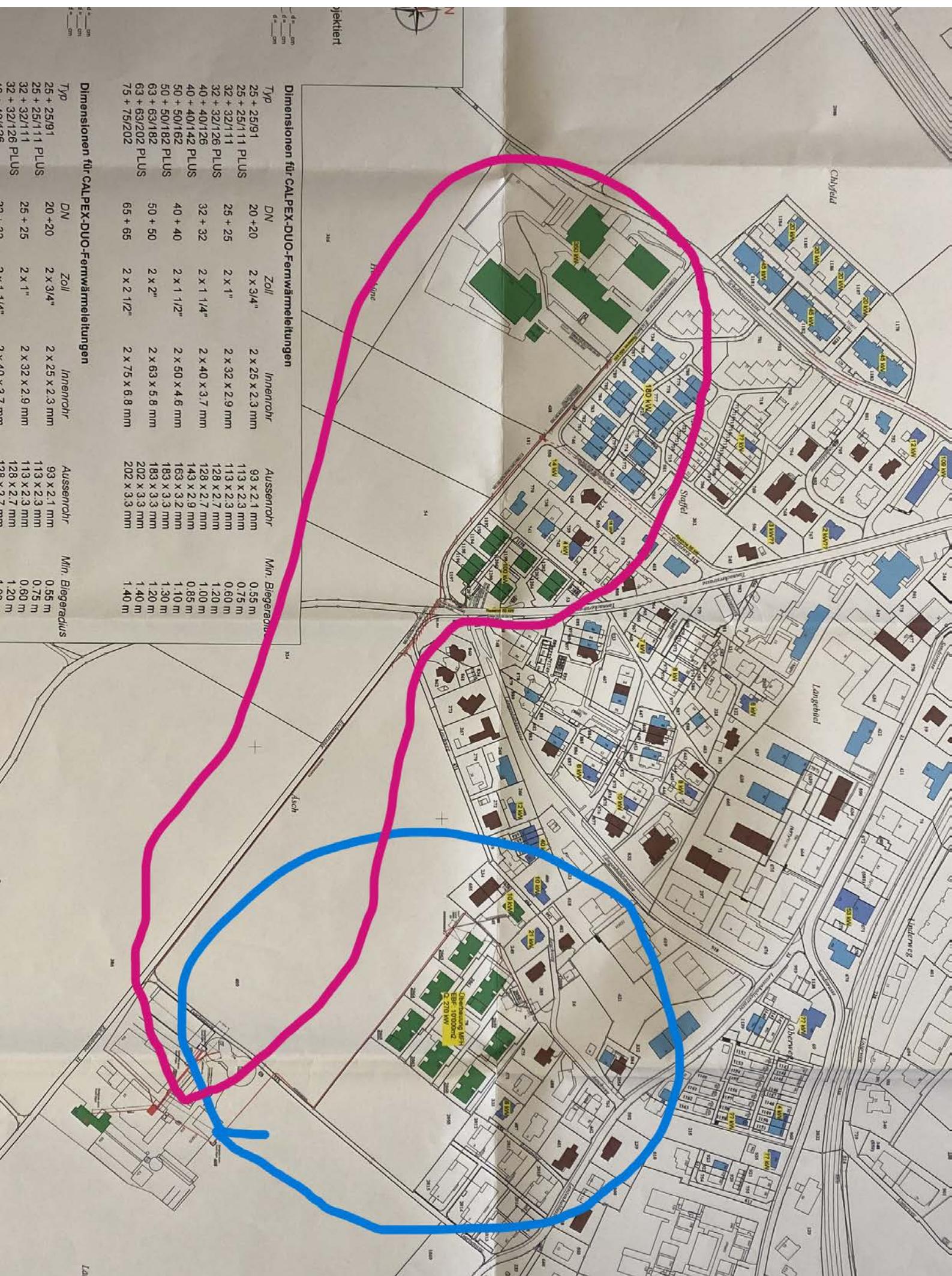




METER READINGS OF THE DISTRIBUTOR

1901	WZ Netz	78127082	letzte Eichung	23 kW	3100100 kWh	22487.80 m3	1836 l/h	72.6 °C	61.6 °C	11.0 °C	0	[]	[]	[]
2901	WZ Holzkessel	78092396		0 kW	1476706 kWh	33726.38 m3	0 l/h	23.8 °C	22.3 °C	1.4 °C	0	[]	[]	[]
3901	WZ BHKW	80926297		84 kW	2056591 kWh	117183.28 m3	10340 l/h	90.9 °C	83.5 °C	7.4 °C	0	[]	[]	[]
4901	WMZ Staffel	80834475		26 kW	1034074 kWh	32489.38 m3	1440 l/h	72.0 °C	55.7 °C	16.2 °C	0	[]	[]	[]







Bauvorhaben/Projekt:

Auftragsnummer:

Variante: 1

Sachbearbeiter: Pascal Peter

Beteiligte:	Bauherr/in	Planverfasser/in	Nachweisverfasser/in
	Bigler KLG Eichenstrasse 63 3302 Moosseedorf 076 417 00 00	Frey Stalleinrichtungen und Schlosserei AG Unterdorf 14 6245 Ebersecken 062 748 20 20	GUNEP GmbH Bernfeldweg 32 3303 Jegenstorf 031 521 00 00
Ort/ Datum:			
Unterschrift:			

Berechnung Heizwärmebedarf QH nach SIA 380/1:2016**Nachweis**

Systemnachweis

Gebäudekennwerte:

- Gebäudekategorie:	Wohnen MFH I	
- Klimastation (SIA 2028):	Bern-Liebefeld	Temp.Korrektur: 2%
- Art des Bauvorhabens:	Neubau	
<hr/>		
- Wärmespeicherfähigkeit		
pro m ² EBF [kWh/m ² a]:	0.08	(mittel)
- Regelungszuschlag Δθ [K]:	2	(alle übrigen Fälle)

Heizwärmebedarf QH [kWh/m²a]:	307.5	403% Anforderung nicht erfüllt
Heizlast Ph [W/m²]:	77.2	Anforderung nicht erfüllt

Grenz- und Zielwerte:

Grenzwert QH,li [kWh/m ² a] Neubau:	76.3	100%
Zielwert QH,ta [kWh/m ² a] Neubau:	53.4	70%

Grenzwert Ph,li [W/m ²]	20.0
-------------------------------------	------

Energiebilanz:

1. Transmissionswärmeverluste QT [kWh/m²a]	309.7	93%
1.1 gegen Außenluft [kWh/m ² a]	279.0	
1.2 gegen unbeheizt und gegen Erdreich [kWh/m ² a]	30.7	
<hr/>		
2. Lüftungswärmeverluste QV [kWh/m²a]	25.0	7%
<hr/>		
3. Genutzte Wärmeeinträge Qug [kWh/m²a]	-27.1	
3.1 Interne Wärmeeinträge Qi [kWh/m²a]	27.3	
3.1.1 Personen [kWh/m ² a]	7.7	
3.1.2 Elektrizität [kWh/m ² a]	19.6	
3.2 Solarer Wärmeeintrag total Qs [kWh/m²a]	0.0	
<hr/>		
Ausnutzungsgrad für Wärmegewinne ηg [-]	0.08	
Zeitkonstante τ [h]	27	
<hr/>		
4. Total Heizwärmebedarf QH [kWh/m²a]	307.5	100%

Energiebezugsfläche EBF:

Geschoss	EBF [m ²]
Vormastbüch 1-3	36
Vormastbüch 4-6	36
Vormastbüch 7-9	36
Abräumbüch	12
Vormastbüch 10-12	36
Abräumbüch	12
Ausmaßschweine	32
Büro	11
Heizung / Technik	17
Krankenbüch	29

Total EBF **257****Kennwerte:**

Fensterfläche [m ²]:	0	A _W / A _E [%] (Flächenanteil Fenster und Türen):	0.0
----------------------------------	---	--	-----

thermische Gebäudehüllfläche A_{lh} [m ²]:	1'061	Gebäudehüllzahl A_{lh} / A_E [-]:	4.13
Programmversion 10.1.1 (©2019)		Ausdruck:	04.August 2022 - 16:08

0 Werte der Standardnutzung

Variante: 1

Raumtemperatur [°C]	20	Basis QH,li0 [kWh/m2]	13
Personenfläche [m2/P]	40	Steigung $\Delta QH,li$ [kWh/m2]	15
Wärmeabgabe pro Person [W/P]	70	Referenzzeitkonstante für Ausnutzungsgrad [h]	15
Präsenzzeit pro Tag [h]	12	numerischer Parameter für Ausnutzungsgrad [-]	1
Elektrizitätsbedarf pro Jahr [kWh/m2]	28		
Reduktionsfaktor Elektrizitätsbedarf [-]	0.7		
Aussenluft-Volumenstrom [m3/hm2]	0.70	keine Fenster mit vorgelagerten Heizkörpern	
		keine Bauteilheizung	

1 Bauteile gegen Aussenklima

1.2 Wände	Wärmedämmung [cm]	Fläche A [m ²]	U-Wert [W/m ² K]	Orientierung [-]	QH [kWh/m ² a]	Nr.	Anteile [%]
						[-]	[-]
Wand	10	236	1.01	Nord	104.48	2	34%
Wand	10	37	1.01	Ost	16.43	3	5%
Wand	10	236	1.01	Süd	104.48	4	34%
Wand	10	37	1.01	West	16.43	5	5%
-							
-							
-							
-							
-							
-							
Total		547					78%

Total

04.August 2022 - 16:08

Bauteileinzelung Heizkörper	1.4 Fenster horizontal	Fläche A [m ²]	U-Wert [W/m ² K]	g-Wert [-]	F _F [-]	fs1 S [°]	fs1 W [°]	fs1 O [°]	fs1 N [°]	QH [kWh/m ² a]	Nr. [-]	Anteile [%]
--------------------------------	------------------------	-------------------------------	--------------------------------	---------------	-----------------------	--------------	--------------	--------------	--------------	------------------------------	------------	----------------

Total

1.5 Böden	Wärmedämmung [cm]	Fläche A [m ²]	U-Wert [W/m ² K]	QH [kWh/m ² a]	Nr. [-]	Anteile [%]
------------------	-----------------------------	--------------------------------------	---------------------------------------	-------------------------------------	-------------------	-----------------------

Total

1.6 Türen	Typ	Fläche A	U-Wert	Orientierung	QH	Nr.	Anteile
	[·]	[m ²]	[W/m ² K]	[·]	[kWh/m ² a]	[·]	[%]

Total

2 Wärmebrücken gegen Aussenklima, Erdreich und unbeheizt

2.1 lineare Wärmebrücken	Typ	Länge l	Psi-Wert	Reduktionsfaktor	QH	Nr.	Anteile
	[·]	[m1]	[W/mK]	[·]	[kWh/m2a]	[·]	[%]

Total

2.2 punktuelle Wärmebrücken	Typ	Anzahl z	Chi-Wert	Reduktionsfaktor	QH	Nr.	Anteile
[•]	[•]	[W/K]	[•]	[kWh/m2a]	[•]	[%]	

-

Total

04.August 2022 - 16:08

Declaration of Commitment:

The Project Partner agrees to the following statements regarding The Project:

1. BELOW2 is the only entity through which carbon credits or VCIs are generated (double counting ban). There is no other entity that credits, balances, or markets the carbon avoidance effect from The Project during the contract period with BELOW2, whether private or government programs, organizations, or companies.
2. The Project Partner agrees that the verification documents submitted and the subsequent financial transactions based on the marketed VCIs may be published according to the GDPR.
3. The Project Partner assures that the funds raised from the sale of the VCIs will substantially contribute to the operation, further development, or optimization of the project or new projects.
4. The signatory or signatories, as legal representatives of the Project Partner, are authorized to provide all data necessary for the verification and to sign the self-commitment declarations.

The Project Partner consents to process the submitted data.

11.11.22 

Date and Signature

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2 BELOW2

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BELLOW2 Inc.

1

↑



Presentation of Energetix

ENERGETIX, SGPS, SA was founded in 2007 with the aim to join the knowledge in the energy sector, the financial possibilities and the technical means of the companies related to ENERGETUS, Instalações Industriais, SA under a new combined company in order to potentiate future investments and to more clearly distinguish each company's own mission.





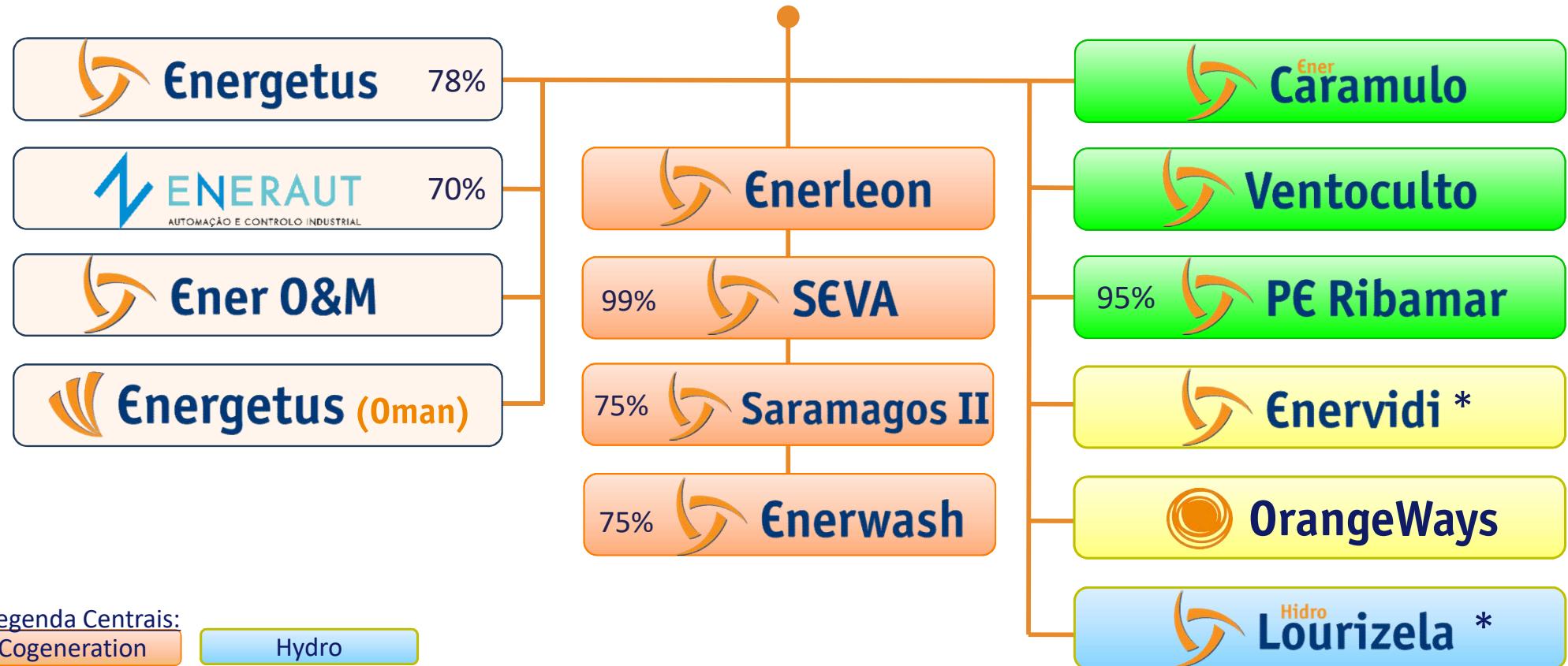
Key Points

- Established in 2007
- Energy generation sector
- Vertical integration
- 15 operational companies
- >70 employees
- Reference EPC and O&M provider in the sector
- Production of 214,7 GWh in 2021 (*0,4% of total consumption in PT*)
- 3 Wind Farms – 46 MW
- 4 Natural Gas CHP – 20 MW
- Portfolio of >10MWp in PV plants in operation
- Pipeline of renewable energy projects of around 100MW

Vertical integration within the group

The different companies within the group allow a vertical integration across projects, which starts at the conception and goes all the way through to maintenance and operation of a power plant. This is applicable to both internal projects and to external clients





* Currently in licensing/construction

Human Resources

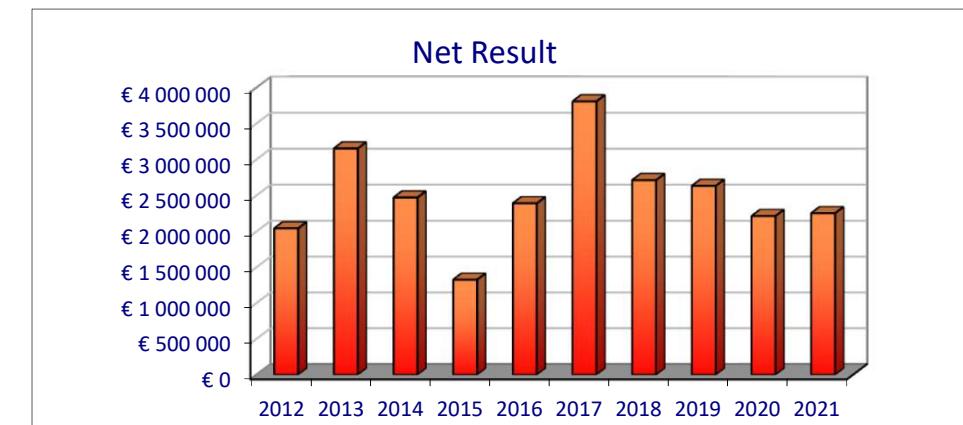
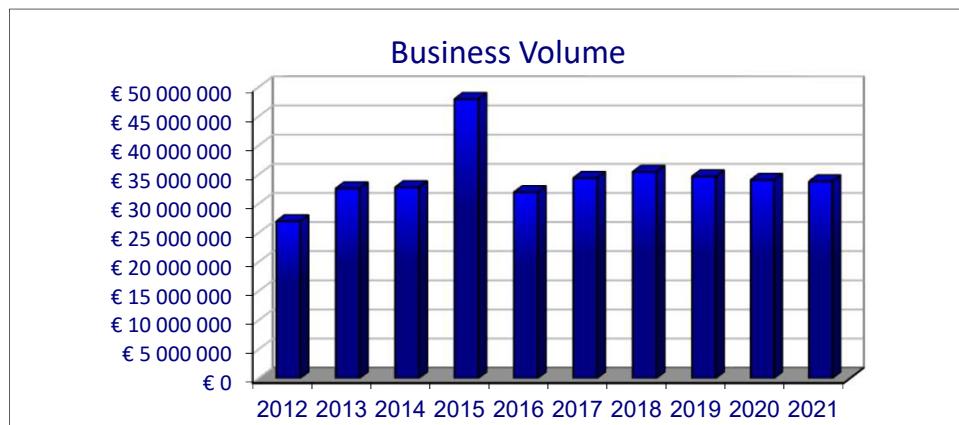
The Energetix group has a highly motivated and experienced young team consisting of 70 persons:

- 19 engineers:
 - 14 mechanical engineers
 - 4 electrical engineers
 - 1 civil engineer
- 2 architects / drawers
- 3 HSE technicians
- 7 power plant operators
- 17 specialized technicians
- Legal and financial specialists



General Data

<i>Year</i>	<i>Business Volume</i>	<i>Net Result</i>
2015	47'966'076 €	1'328'313 €
2016	31'956'348 €	2'392'579 €
2017	34'401'359 €	3'807'626 €
2018	35'453'555 €	2'714'553 €
2019	34'680'860 €	2'634'536 €
2020	34'079'350 €	2'215'915 €
2021	33'823'238 €	2'255'230 €

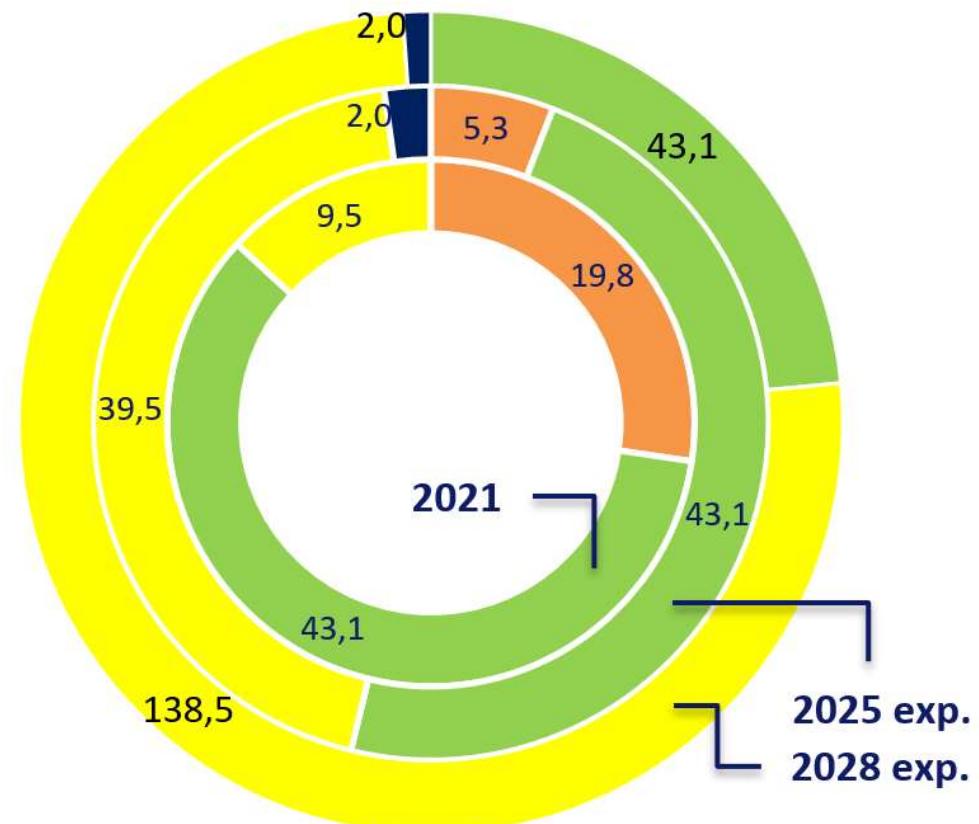


Our goal

"To increase our production to 350GWh/year of 100% renewable energy by 2028 and sell this energy on the free market"

*Installed Energy Sources (Energetix group)
in installed MW*

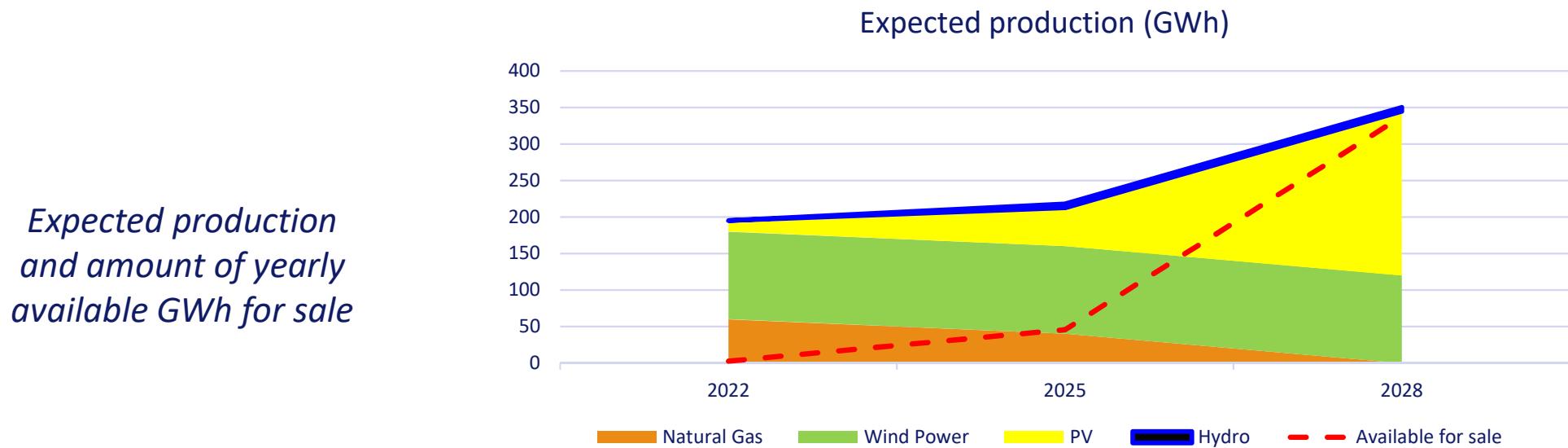
-  Natural gas
-  Wind Power
-  Photovoltaic
-  Hydro



Energy Sales

- With entry into service of new power plants (mainly PV and hydro) production will increase considerably
- Existing power plants will cease to get feed-in-tariff and enter the free market

As such, Energetix will enter into first PPA's with external customers in 2023, selling renewable energy to sustainable companies throughout the country.





Our Capabilities

Company Information

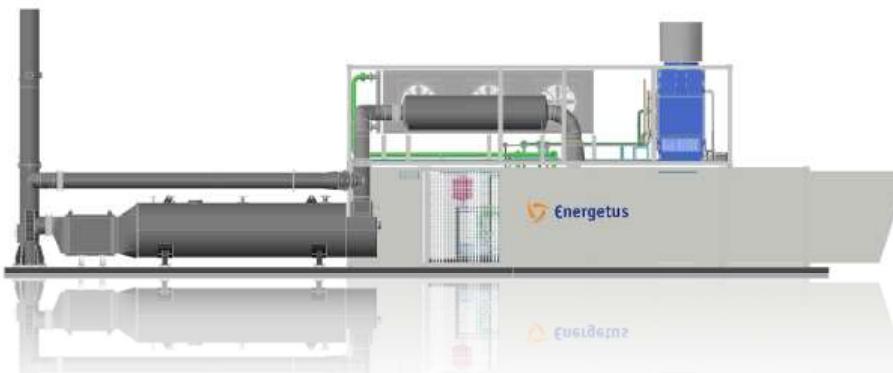


Engineering, Installations and Services

A fundamental asset of Energetix is **Eneretus – Instalações Industriais, SA**, responsible for the planning, engineering, construction, operation and maintenance of electric power plants.

Eneretus has over 60 years of experience in the field, with more than 600 MW of installed power and a very important customer base.

To ensure its activities, Eneretus has a capital of 2,0 Mio €, 40 employees and an annual turnover of 15 Mio € in 2021.

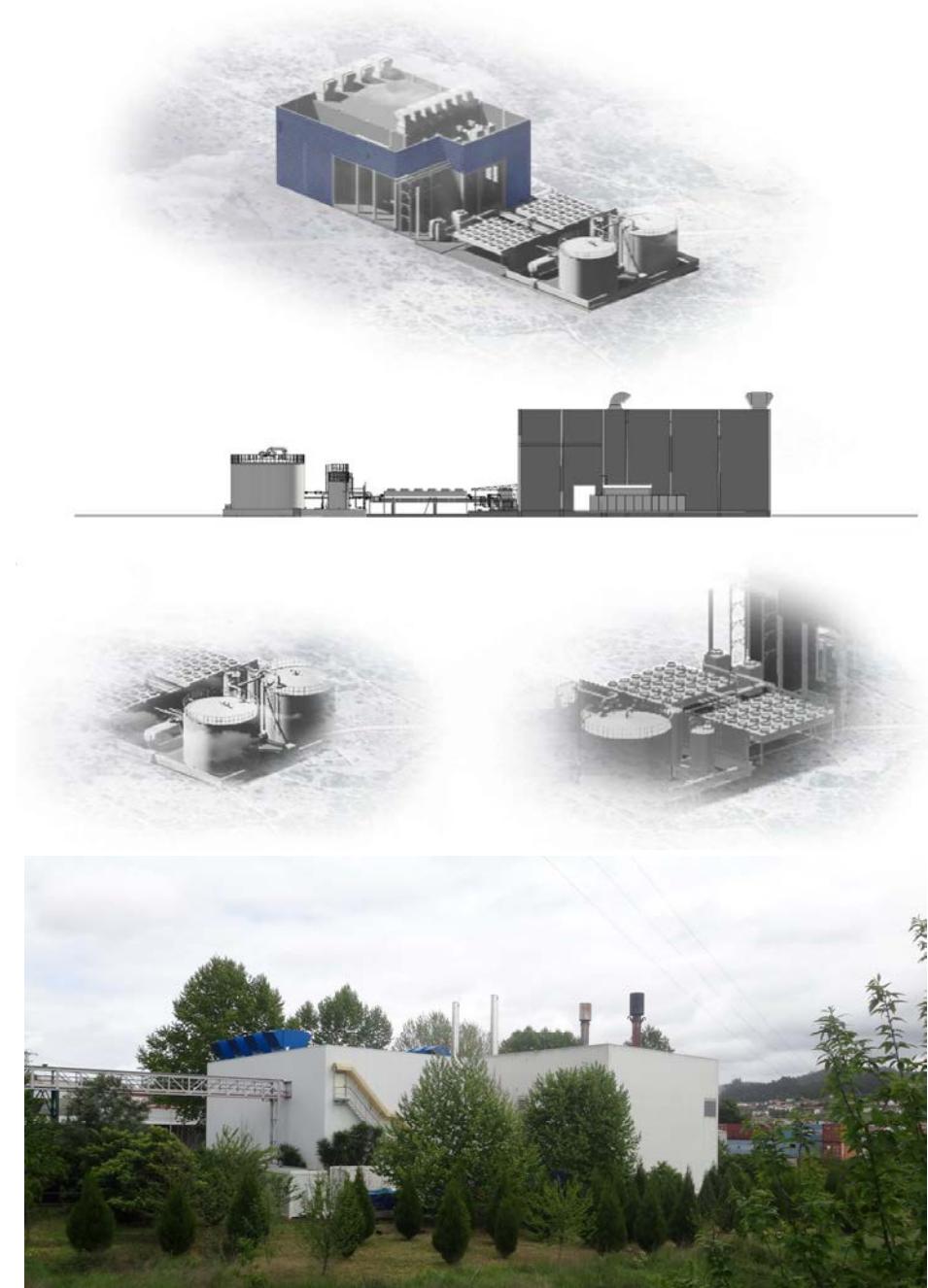




Engineering

With over 65 years of experience, Energetus has highly developed engineering capabilities and competences.

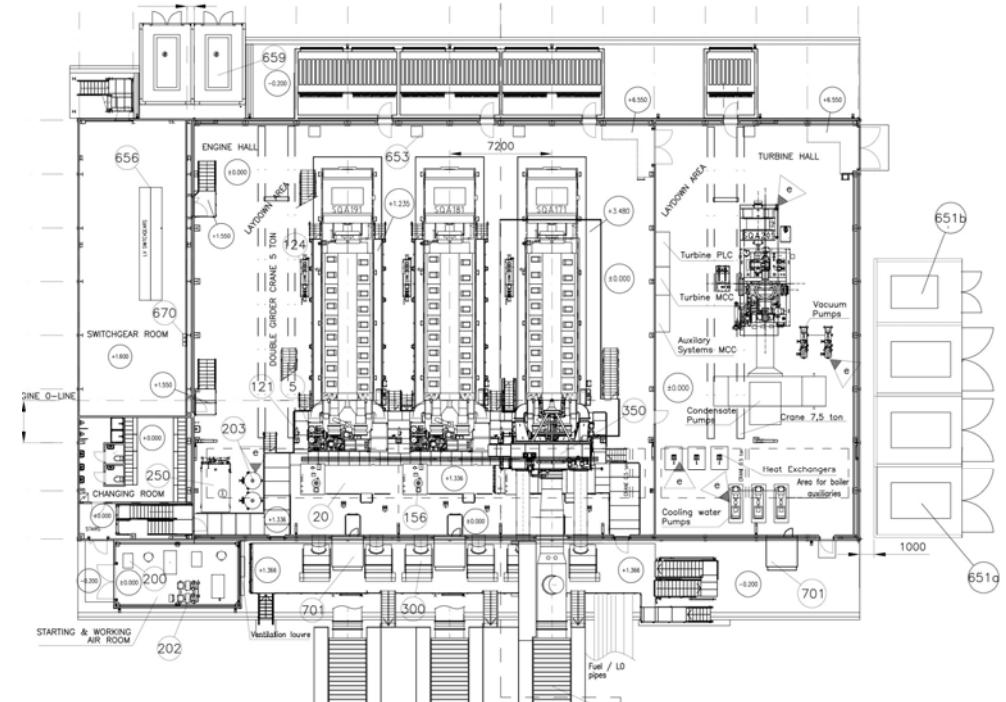
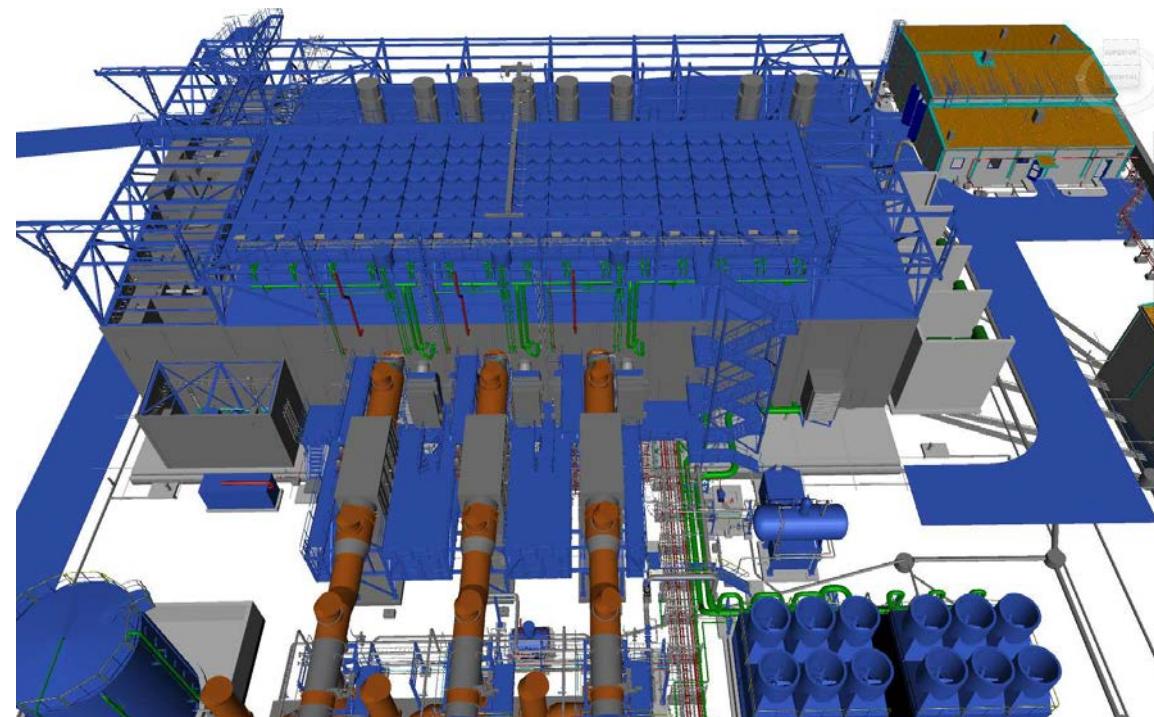
As Energetus is not affiliated with any equipment manufacturer, we can offer the best solution for the client's needs, without having to compromise on quality or price.



8,6 MW Gas Cogeneration Plant in Northern Portugal

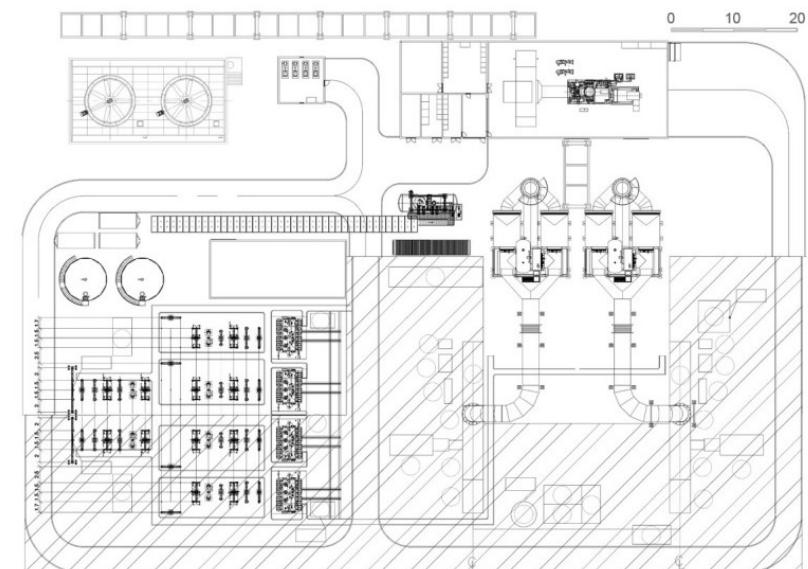
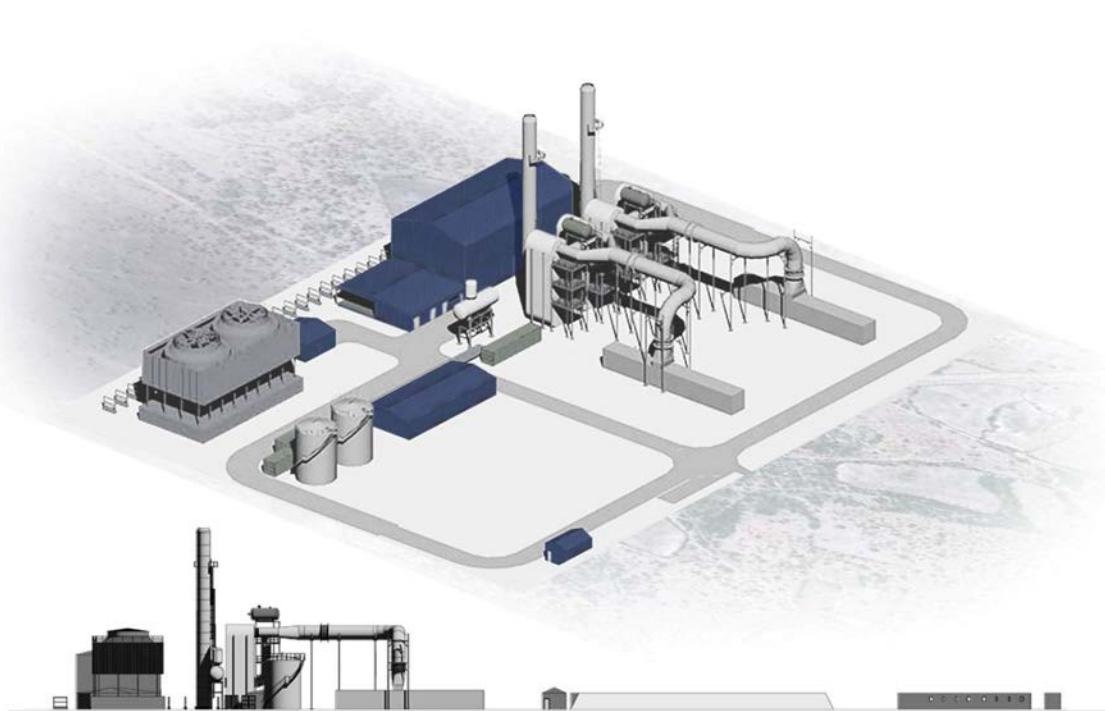
Engineering

Energetus' capabilities include full 3D modelling of your power plant to ensure a seamless project execution.



Project Management

Our Project Management department is able to execute large projects from scratch to the turn-key finalized power plant with inhouse know-how and expertise.



Project for a 54MW gas power plant in Chokwé, Mozambique

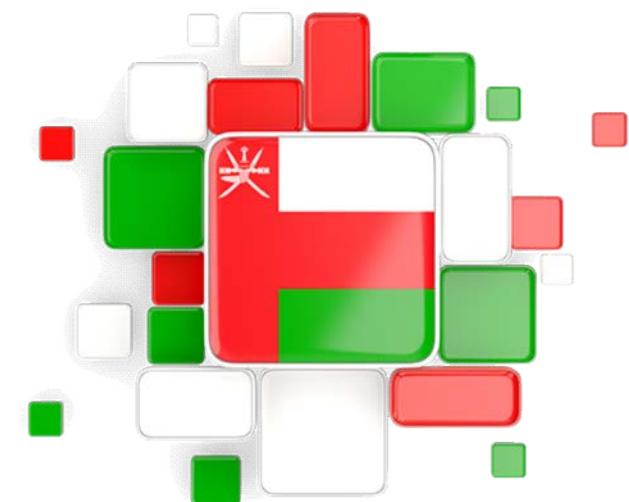


International Expansion - Oman

In 2016, Energetus LLC, was founded in Muscat, Oman. This company replicates our core values from Portugal, and operates on the Arabian peninsula (GCC Market).

Energetus LLC has a Portuguese-lead international team and is official supplier of the Royal Omani Court.

We have projects at different stages, with references in the Solar PV market.





International Expansion - PALOP

Current expansion plans focus on Portuguese-speaking Africa:

- **Moçambique**

Energeus is participating in projects, either directly or via local partners onsite.

- **São Tomé e Príncipe (Saint Thomas & Príncipe)**

Energetus is working on local projects in partnership with a local company in the sector

- **Angola**

Energetus has a commercial agreement with an agent for South-Western Africa in Angola





Operations & Maintenance

The Energetus After Sales Department offers the following Services to its customers:

- Diesel and gas genset Maintenance
- Wind Turbine Maintenance
- Operations
- Operation Management



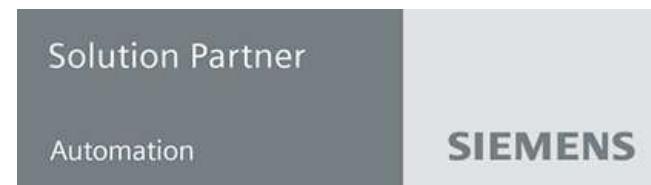
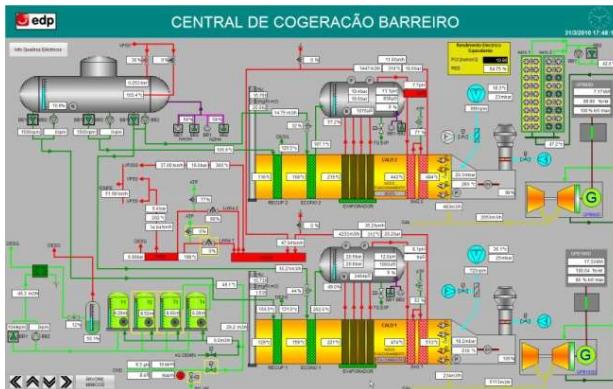


Industrial Automation

Energetix also incorporates **Eneraut, Automação e Controle Industrial, SA**, a company in the field of industrial automation.

Eneraut has a highly qualified and experienced team, and as such is qualified as an official integrator of Siemens Automation.

Eneraut's cutting edge solutions permit their clients to optimize their processes and their business.





Partners

Building on strong brands



Power Generation Partners

Energetus has excellent commercial relationships with the following companies in the energy producing sector:



Rolls-Royce Power Systems AG





Renewable Energy Partners

In the renewable energy business, Energetus has built up strong relationships with many suppliers and is proud to work together with some of the sectors best brands.

SIEMENS Gamesa
RENEWABLE ENERGY

VOITH **SULZER**

Vestas.

ANDRTZ

SIEMENS



Industrial Solutions

Eneretus is also a strong player in various other industrial sectors, and has a large array of industrial products for which it is the official distributor in Portugal such as:

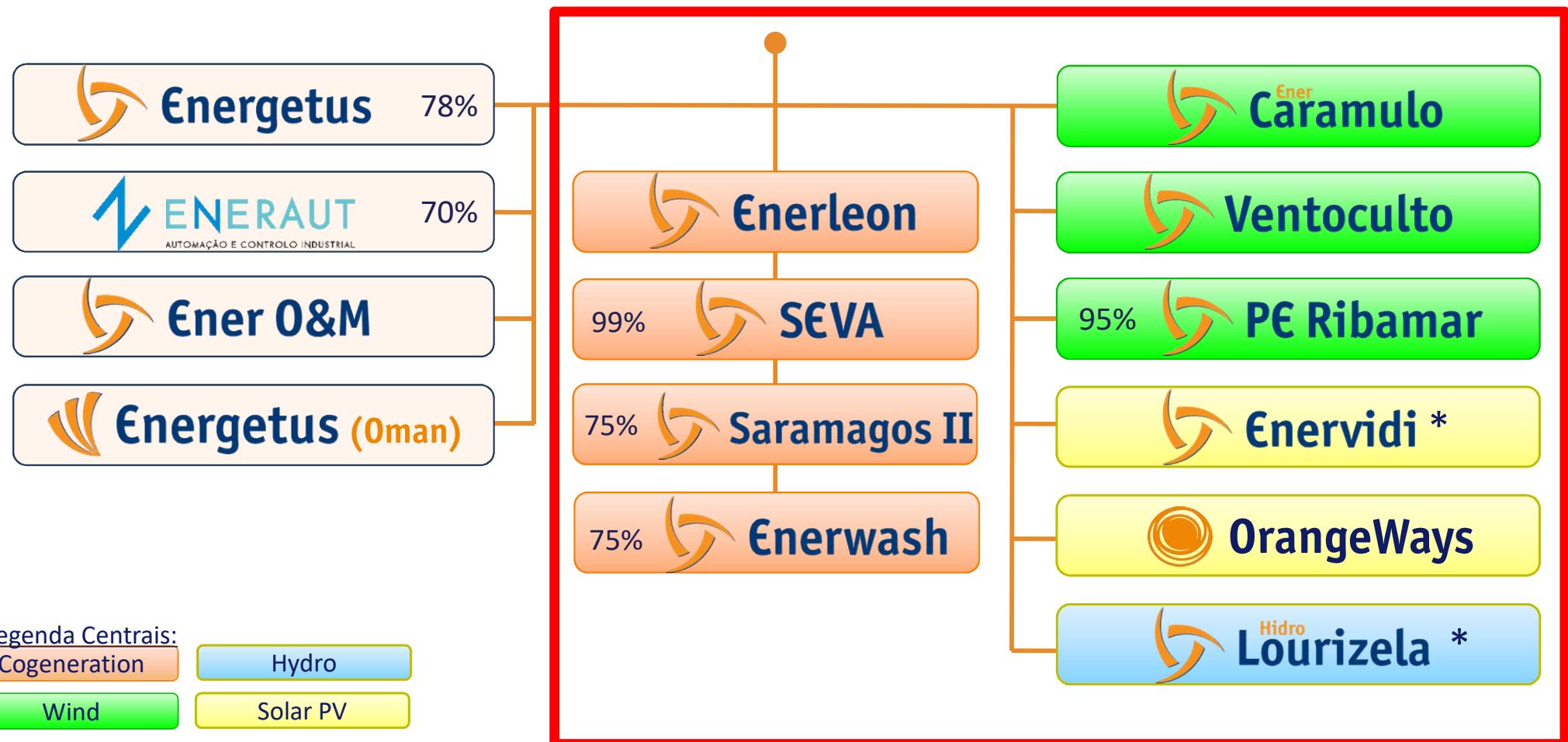
- SULZER CHEMTECH columns for petrochemicals
- BURCKHARDT COMPRESSION Compressors
- EWK evaporative cooling towers
- ECODYNE/LUWA air cooling systems





Electric Power Production

Company Information





Power Plants

Energetix is specialized in the management of assets in the energy producing sector with the following current portfolio of power plants, which in 2019 produced around 0,4% of the energy produced in Portugal.

- ⚡ 3 **wind parks** in continental Portugal totaling 42 MW and an average yearly production of 120 GWh;
- ⚡ 4 **Cogeneration Power Plants** running on natural gas with a total of 7 Gensets and 20 MW installed power, and a yearly production of over 100 GWh, the oldest one being in operation since 2003;
- ⚡ 1 **Mini-Hydro Power Plant**, in licensing phase
- ⚡ **Orangeways Lda**, with a portfolio o PV Power plants
- ⚡ 4 **Solar PV power plants** in licensing phase



Energetix Power Plant Portfolio

<i>Power Plant Name</i>	<i>Engine/Turbine</i>			<i>Power Plant</i>		
	<i>Manufacturer</i>	<i>Model</i>	<i>Unit power (MW)</i>	<i>Type</i>	<i>Number of engines/turbines</i>	<i>Total Power (MW)</i>
ENERLEON	DEUTZ	TBG620V16K	1.35	Cogeneration	1	1.35
ENERWASH	MTU	AoE20V400L62	1.95	Cogeneration	2	3.90
SEVA	MWM	TCG2032V16	4.30	Cogeneration	2	5.85
	MTU	AoE16V400L62	1.55			
SARAMAGOS II	MWM	TCG2032V16	4.30	Cogeneration	2	8.60
PARQUE EOLICO RIBAMAR	REPOWER	MM82-80	2.00	Wind	3	6.15
VENTOCULTO	SENVION	MM92-80	2.05	Wind	4	8.20
ENERCARAMULO	SENVION	MM92-80	2.05	Wind	14	28.7
ORANGEWAYS	various	various	various	Solar PV	n	9,5
ENERVIDI *	<i>tbd</i>	<i>tbd</i>	(3+3)	Solar PV	(2)	(6.00)
ENERGETIX *	<i>tbd</i>	<i>tbd</i>	various	Solar PV	?	?
HIDRO LOURIZELA *	<i>tbd</i>	<i>tbd</i>	2.00	Hydro	(1)	(2.00)
<i>* in construction / licensing</i>					In Operation	28
					Total *	33
						80,25 + ?



Electric Power Production

in operation



Wind Power



PER - wind farm

Parque Eólico Ribamar, Lda

In operation since 2004, this wind farm is located in Ribamar, Ericeira and consists of 3 REpower turbines with 2 MW each, producing around 14 GWh per year.





Ventoculto – wind farm

Ventoculto, Centrais Eólicas, Unipessoal, Lda

The Parque Eólico do Alto dos Forninhos near Portalegre consists of 4 Senvion wind turbines with 2 MW each, and was commissioned in early 2014

The yearly production is around 30 GWh per year.





Enercaramulo – wind farm

**Enercaramulo, Produção de Energia,
Unipessoal, Lda.**

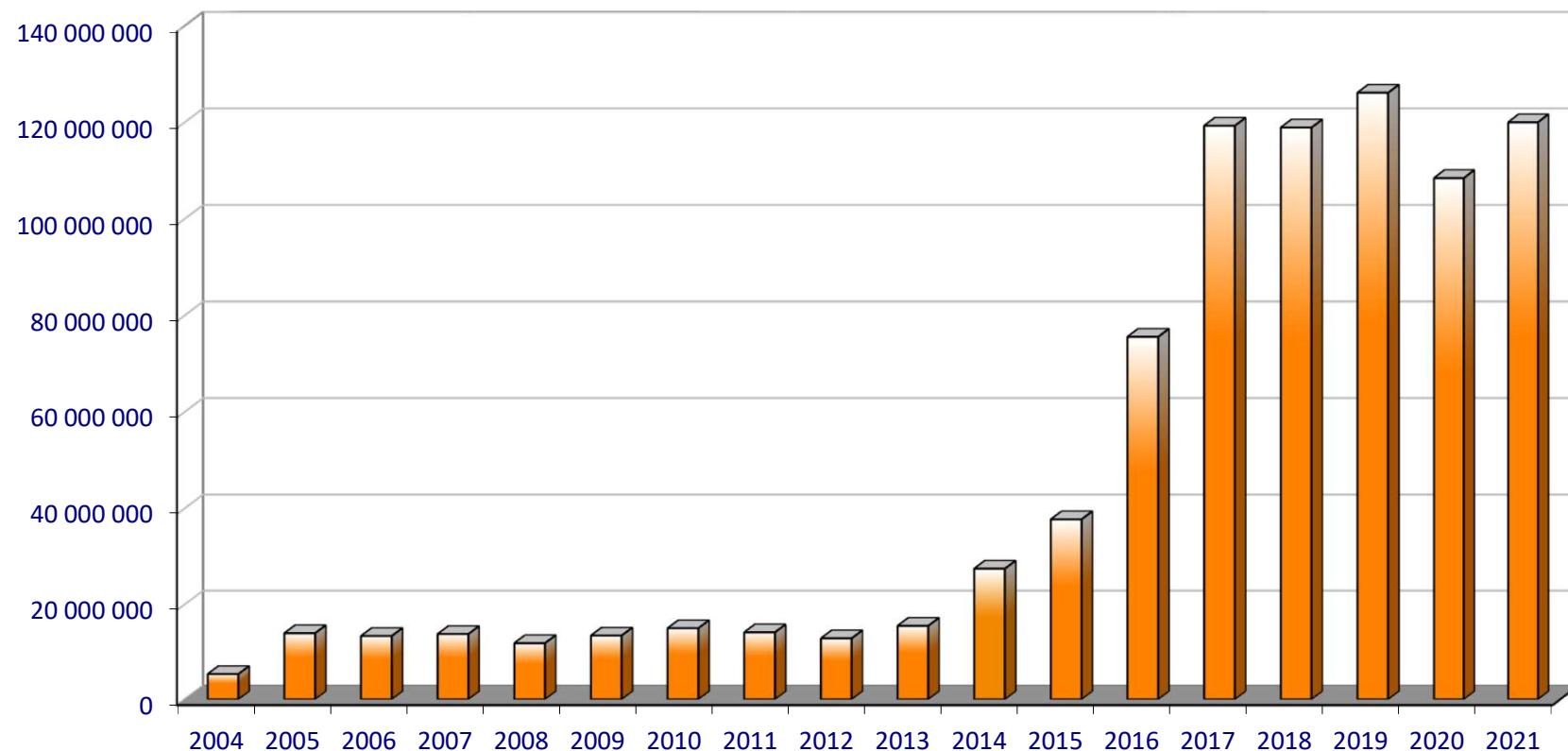
In 2014, Energetix acquired a license to erect a new wind farm with 28 MW in the Serra do Caramulo, in Viseu district.

The wind farm consists of 14 Senvion MM92 wind turbines with 2,05 MW each, and entered operation in June 2016 producing around 80 GWh/year.



Wind Power Production

Wind Power Production [kWh]



Cogeneration

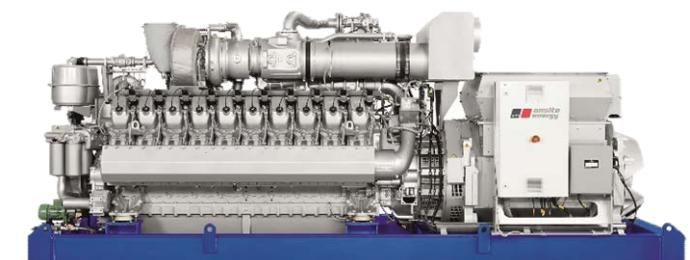


Cogeneration Plants

Energetix currently owns and operates four natural gas powered cogeneration plants, each associated to an industry – three textile manufacturers and one industrial laundry.

In 2012, the two largest cogeneration power plants have started operations, at the time triplicating the production of cogeneration power in the group.

Energetix currently has an installed power of 20 MW and produces around 100 GWh per year with Cogeneration.





Saramagos II – Cogeneration Plant

Saramagos II, Produção de Energia SA

Connected to the textile company Riopelé, this power plant has 2 gas engines with 4,33 MW each, and is in operation since May 2012.





SEVA – Cogeneration Plant

**SEVA, Sociedade
Energética de Valdante, SA**

Linked to the Somelos Textile industry, this Power plant consists of 1 MWM engine with 4.33 MW and 1 containerized MTU engine with 1.55 MW. It is in operation since February 2012.



SOMELOS

SEVA

The SEVA logo features a stylized orange and blue swoosh icon to the left of the word "SEVA" in a bold, dark blue sans-serif font.



Enerwash – Cogeneration Plant

**Enerwash,
Produção de Energia, Lda**

In operation since 2011, this power plant is connected to the industrial laundry Serlima in Montijo and consists of 2 MTU engines with a combined output of 3,9 MW.





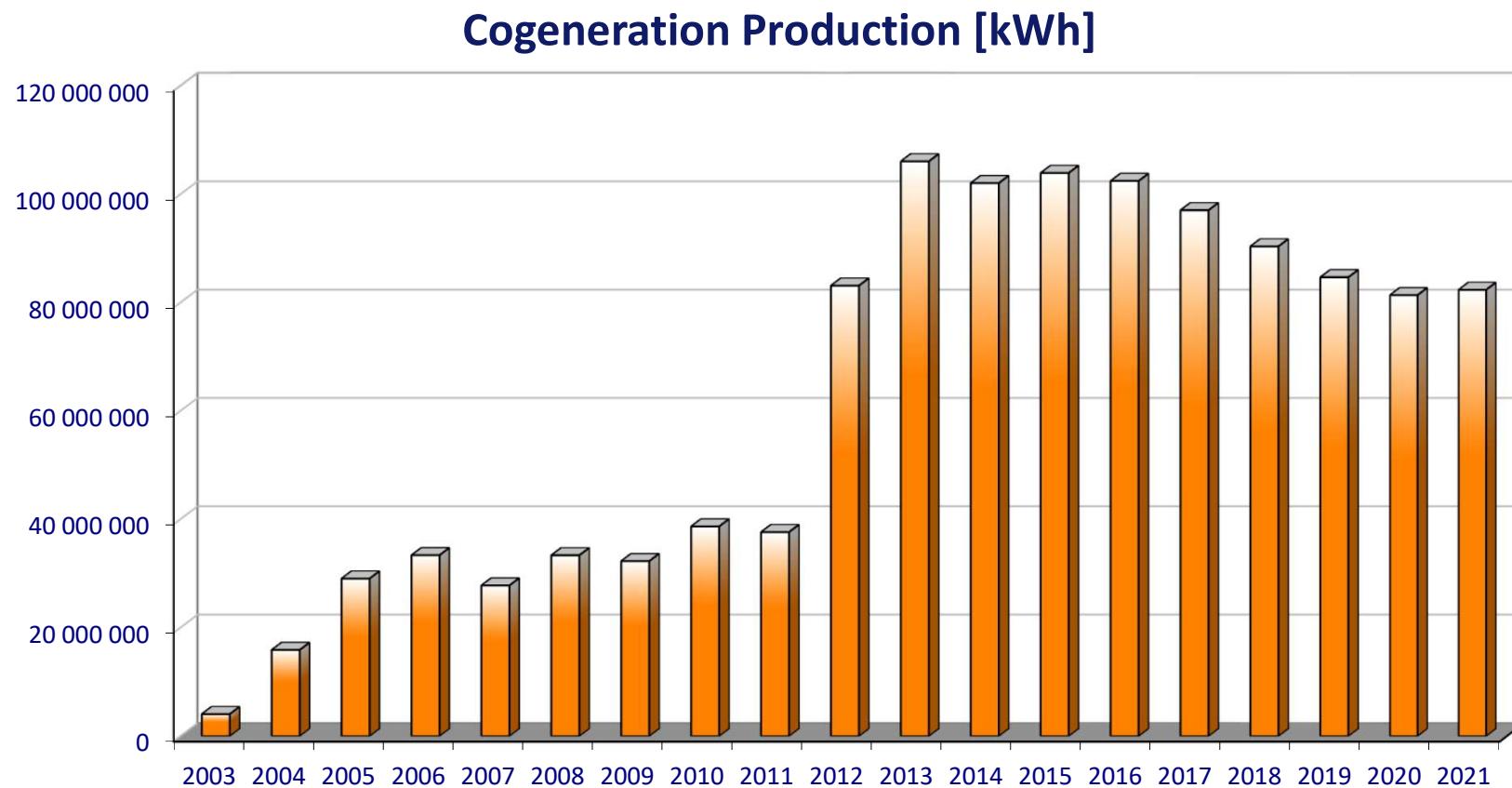
Enerleon – Cogeneration Plant

**Enerleon, Produção e Gestão
de Energia, Lda**

Power plant with one 1.35 MW Deutz engine, installed at a textile factory and in operation since 2004.



Cogeneration Production





Solar PV



Orangeways

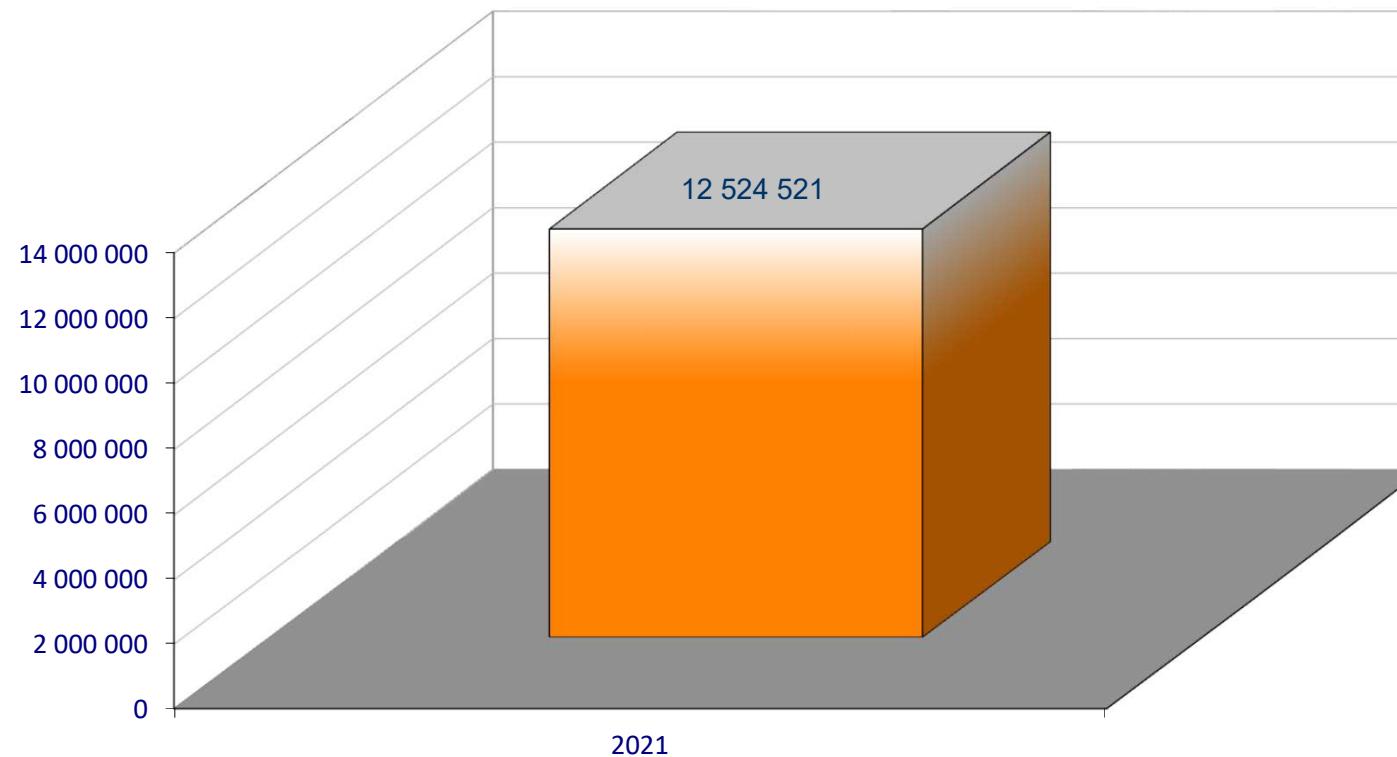
With the acquisition of Orangeways, Lda, Energetix has a portfolio of 125 PV installations with 14 to 276,5 kWp, divided half/half into rooftop and terrain, totalling 9,7 MWp.

Furthermore, Orangeways has 25 licences for new installations, for around 15MWp, out of which 6MWp will be installed in 2022.



Cogeneration Production

PV Production [kWh]





Electric Power Production

Projects in Licensing Phase



Central Hidroelétrica da Lourizela

Energetix has a license to build a mini-hydro for the hydroelectric use of the Lordelo River.

The project consists of an 8 meter high dam, a 2000m long pipeline with a 190m drop, and the hydroelectric power station, consisting of a 2MW hydraulic turbine.

The concession contract with APA (Portuguese environmental agency) has been signed, and the execution project has been completed, with construction expected to begin in the course of 2022 and start-up in 2023.





PV Power Plant Projects

Energetix has six photovoltaic plants at various stages of the licensing process.

These projects consist of plants with capacities between 3 and 32,5 MWp that will produce, in total, up to about 150 GWh/year.





Contact:
energetix@energetix.pt

2 BELOW2

VCI-A: TABLE OF CONTENTS

The following documents were used to generate this NFT.

1. Impact Creators VCI-A Address

Energetus S.A.
R. Castilho 1 ,6th floor,
1250-096 Lisbon | Portugal

2. Certificate of Trade Registry / Company Profile

3. Combined Heat and Power Calculation

4. Meter Proof

+1 (650) 488-4111
info@BELOW2.earth
BELOW2.earth

CEO: Oliver T. Heiligel, +49-151-5251-5251
COO: Gerrit Peters, +49-179-7818-497

548 Market Street PMB 27428
San Francisco CA 94104
United States of America

BELOW2 Inc.

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↑

Acesso à Certidão Permanente



Certidão Permanente de Registos

[« Voltar](#)
[Sair](#)


Certidão Permanente

Código de acesso: 0283-1052-3338

A entrega deste código a qualquer entidade pública ou privada dispensa a apresentação de uma certidão em papel.(artº 75º, nº5 do Código do Registo Comercial)

Matrícula

NIPC: 502159774

Firma: SEVA-SOCIEDADE ENERGÉTICA DE VALDANTE S.A.

Natureza Jurídica: SOCIEDADE ANÓNIMA

Sede: Rua Castilho, nº 1, 6º direito

Distrito: Lisboa Concelho: Lisboa Freguesia: Santo António
1250 066 Lisboa

Objecto: produção e distribuição de energia, construção civil e obras públicas.

Capital: 500.000,00 Euros

CAE Principal: 35112-R3

CAE Secundário (1): 42990-R3

Data do Encerramento do Exercício: 31 Dezembro

Forma de Obrigar: com a intervenção a) simultânea de dois administradores; b) com a intervenção conjunta de um administrador e um mandatário.

Prazo de duração dos(s) Mandato(s): quadriénio 2019/2022.

Órgãos Sociais/Liquidatário/Administrador ou Gestor Judicial:

CONSELHO DE ADMINISTRAÇÃO:

Nome: ALBERT EBERHARD

NIF/NIPC: 178010677

Cargo: Presidente

Nome: PEDRO JULIO DE OLIVEIRA EMILIANO NEVES

NIF/NIPC: 193556731

Cargo: Vogal

Nome: LUIS PIMENTEL VASQUES BAPTISTA

NIF/NIPC: 200517252

Cargo: Vogal

Nome: CARLOS MANUEL MOREIRA DE ALMEIDA SANTOS

NIF/NIPC: 148604005

Cargo: Vogal

FISCAL ÚNICO:

Nome: MAZARS & ASSOCIADOS - SOCIEDADE DE REVISORES OFICIAIS DE CONTAS, S.A.

NIF/NIPC: 502107251

SUPLENTE(S) DO FISCAL ÚNICO:

Nome: PAULO JORGE DAMIÃO PEREIRA

NIF/NIPC: 202244970

Conservatória onde se encontram depositados os documentos: Conservatória do Registo Comercial de Guimarães
Corresponde à anterior matricula nº 3156/19890421 na Conservatória do Registo Comercial de Guimarães

Os elementos constantes da matrícula não dispensam a consulta das inscrições e respectivos averbamentos e anotações porquanto são estes que definem a situação jurídica da entidade.

Inscrições - Averbamentos - Anotações

Insc.1 Ap.13/19890421 - CONTRATO DE SOCIEDADE E DESIGNAÇÃO DE MEMBRO(S) DE ORGÃO(S) SOCIAL(AIS)

FIRMA: SEVA-SOCIEDADE ENERGÉTICA DE VALDANTE S.A.

NIPC: 502159774

NATUREZA JURÍDICA: SOCIEDADE ANÓNIMA

SEDE: LUGAR DE VALDANTE

Distrito: Braga Concelho: Guimarães Freguesia: Ronfe

OBJECTO: A produção e distribuição de energia

CAPITAL : 500.000,00 Euros

ACÇÕES:

Número de acções: 100000

Valor nominal : 5,00 Euros

Natureza: As acções são das seguintes categorias: a) - 99.750 acções ao portador;
e b) - 250.000 acções preferenciais, remíveis, nominativas.

FORMA DE OBRIGAR/ÓRGÃOS SOCIAIS:

Forma de obrigar: a) Pela intervenção simultânea de dois administradores, sem prejuízo do clausulado no nº 3 do artigo 25º do contrato social; b) Mediante a intervenção conjunta de um administrador e de um mandatário a quem, tenham sido outorgados poderes para o efeito. Quando forem membros do Conselho de Administração os accionistas Dr. António Manuel Folhadela Teixeira de Melo, José Ângelo Folhadela de Melo e Maria Manuela Folhadela de Melo Costa Guimarães a sociedade obriga-se em todos os seus actos e contratos mediante a simples assinatura de qualquer um deles.

Estrutura da administração: Por um Conselho de Administração composto por três, cinco ou sete membros, por um período de três anos.

Estrutura da fiscalização: Fiscal Único

ÓRGÃO(S) DESIGNNADO(S):

CONSELHO DE ADMINISTRAÇÃO:

Mário Alves Domingues
 Cargo: Presidente - por deliberação de 24 de Março de 2005
 Residência/Sede: Avenida de Londres, Bloco 2C, 4º esquerdo
 Guimarães

Paulo Pereira Mendes Teixeira de Melo
 Cargo: Administrador - por deliberação de 24 de Março de 2005
 Residência/Sede: Rua de Santiago, 1425, Ronfe
 Guimarães

António José Correia Folhadela de Melo
 Cargo: Administrador - por deliberação de 24 de Março de 2005
 Residência/Sede: Rua Senhor dos Milagres, nº 15, Palmeira
 Braga

Carlos Manuel Moreira de Almeida Santos
 Cargo: Administrador - por deliberação de 24 de Março de 2005
 Residência/Sede: Quinta das Fontes, S. Miguel do Couto
 Santo Tirso

Mário José Pires Soares dos Santos
 Cargo: Administrador - por deliberação de 24 de Março de 2005
 Residência/Sede: Rua do Taxa, nº 434, 1º, S. Victor
 Braga

FISCAL ÚNICO:
 "Horwath & Associados, SROC Lda" - por deliberação de 15 de Outubro de 2004

SUPLENTE(S) DO FISCAL ÚNICO:

Carla Manuela Serra Geraldes, ROC - por deliberação de 15 de Outubro de 2004

Prazo de duração do(s) mandato(s): QUADRIÉNIO: 2004/2006

Extracto actualizado da ficha: inscrições nº 1 (publicada no D.R. nº 78 de 1989-04-04), nº 7 (publicada no D.R. nº 19 de 1992-01-23), nº 19, nº 28 (publicada no D.R. nº 45 de 2004-02-23), nº 29 (publicada no D.R. nº 200 de 2004-08-25), nº 30 (publicada no D.R. nº 14 de 2005-01-20) e nº 31 (publicada no D.R. nº 145 de 2005-07-29).

Conservatória do Registo Comercial de Guimarães
 O(A) Adjunto(a) do Conservador, Filipa Cláudia Ferreira R. Vale

Insc.2 Ap.41/20031218 - ALTERAÇÃO DO CONTRATO DE SOCIEDADE

ARTIGO(S) ALTERADO(S): 6.º, n.os 2, 3 e 4; 7.º, n.os 1 e 2; aditado o n.º 7 ao 6.º.

Transcrição da ficha: inscrição nº 28 (publicada no D.R. nº 45 de 2004-02-23)

Conservatória do Registo Comercial de Guimarães
 O(A) Adjunto(a) do Conservador, Filipa Cláudia Ferreira R. Vale

Insc.3 Ap.33/19970418; Ap.44/19980417 e Ap.89/19990423 - PRESTAÇÃO DE CONTAS INDIVIDUAL

Anos de exercício: 1996, 1997 e 1998 (publicada no D.R. nº 154 de 1999-07-05).
 Transcrição da ficha: inscrições nº 18, nº 20 e nº 22.

Conservatória do Registo Comercial de Guimarães
 O(A) Adjunto(a) do Conservador, Filipa Cláudia Ferreira R. Vale

Insc.4 AP. 21/20060519 - PRESTAÇÃO DE CONTAS INDIVIDUAL

Ano da Prestação de Contas: 2005

Conservatória do Registo Comercial de Guimarães
 O(A) Conservador(a), Maria José Pereira dos Reis Coelho

An.1 20060524 - Publicado no sítio www.mj.gov.pt/publicacoes em 2005-05-23

Conservatória do Registo Comercial de Guimarães
 O(A) Ajudante, Maria Alice da Silva e Castro Lopes

Insc.5 AP. 7/20070511 15:11:59 UTC - ALTERAÇÕES AO CONTRATO DE SOCIEDADE E DESIGNAÇÃO DE MEMBRO(S) DE ORGÃO(S) SOCIAL(AIS)

FORMA DE OBRIGAR/ÓRGÃOS SOCIAIS:

Forma de obrigar: : a) - Pela intervenção simultânea de dois administradores; b) - Mediante a intervenção conjunta de um administrador e de um mandatário.
Estrutura da administração: será exercida por um conselho de administração, composto por um número ímpar de membros, até ao máximo de quinze, eleitos em Assembleia Geral
Estrutura da fiscalização: compete a um fiscal único e a um suplente, eleitos em Assembleia Geral
Duração dos mandatos: 4 anos

Artigo(s) alterado(s):

4.º, 5.º, 6.º, 7.º, 8.º, 9.º, 10.º, 11.º, 12.º, 13.º, 14.º, 15.º, 16.º, 17.º, 18.º, 19.º, 20.º, 21.º, 22.º, 23.º, 24.º, 25.º e aditado o 26.º

ÓRGÃO(S) DESIGNADO(S):

CONSELHO DE ADMINISTRAÇÃO:

Mário Alves Domingues
NIF/NIPC: 133044971
Cargo: Presidente
Residência/Sede: Avenida de Londres, Bloco 2C, 4.º esquerdo - freguesia de Creixomil
Guimarães

Carlos Manuel Moreira de Almeida Santos
NIF/NIPC: 148604005
Cargo: Administrador
Residência/Sede: Quinta das Flores, Rua de São Domingos, 21 - freguesia de S. Miguel do Couto
Santo Tirso

António José Correia Folhadela de Melo
NIF/NIPC: 125219261
Cargo: Administrador
Residência/Sede: Rua Senhor dos Milagres, 15 - freguesia de Palmeira Braga

Paulo Pereira Mendes Teixeira de Melo
NIF/NIPC: 125219296
Cargo: Administrador
Residência/Sede: Rua de Santiago - freguesia de Ronfe
Guimarães

Tiago Emaúz da Costa Guimarães
NIF/NIPC: 189359862
Cargo: Administrador
Residência/Sede: Rua Duarte Barbosa, 224, 1.ºA - freguesia de Foz do Douro
Porto

FISCAL ÚNICO:

Horwath & Associados SROC, LDA, representada por Sónia Bulhões Costa Matos Lourosa, ROC
NIF/NIPC: 506942155
Cargo: Edifício Scala, Rua de Vilar, n.º235, 2.º andar
Porto

SUPLENTE(S) DO FISCAL ÚNICO:

Carla Manuela Serra Geraldes, ROC
NIF/NIPC: 212230956
Residência/Sede: Edifício Scala, Rua de Vilar, n.º235, 2.º andar
Porto

Prazo de duração do(s) mandato(s): quadriénio 2007/2010
Data da deliberação: 27 de Março de 2007

Conservatória do Registo Comercial de Guimarães
O(A) Conservador(a), Maria José Pereira dos Reis Coelho

An. 1 - 20070516 - Publicado em <http://www.mj.gov.pt/publicacoes>.

Conservatória do Registo Comercial de Guimarães
O(A) Conservador(a), Maria José Pereira dos Reis Coelho

Av.1 AP. 4/20100813 16:10:25 UTC - CESSAÇÃO DE FUNÇÕES DE MEMBROS DO(S) ÓRGÃO(S) SOCIAL(AIS)

CONSELHO DE ADMINISTRAÇÃO:

Nome/Firma: ANTONIO JOSE CORREIA FOLHADELA DE MELO
NIF/NIPC: 125219261
Cargo: ADMINISTRADOR
Residência/Sede: Rua Senhor dos Milagres, n.º15 - freguesia de Palmeira 4700 - 743 Braga
Causa: renúncia
Data: da comunicação 30 de Junho de 2010

Conservatória do Registo Comercial de Guimarães
O(A) Ajudante por delegação, Maria Alice da Silva e Castro Lopes

An. 1 - 20100816 - Publicado em <http://www.mj.gov.pt/publicacoes>.
Conservatória do Registo Comercial de Guimarães
O(A) Ajudante por delegação, Maria Alice da Silva e Castro Lopes

Av.2 AP. 1/20100826 11:40:54 UTC - CESSAÇÃO DE FUNÇÕES DE MEMBROS DO(S) ÓRGÃO(S) SOCIAL(AIS)

CONSELHO DE ADMINISTRAÇÃO:

Nome/Firma: Mário Alves Domingues

NIF/NIPC: 133044971
Cargo: Presidente
Residência/Sede: Avenida de Londres, Bloco 2C, 4.^o esquerdo - freguesia de Creixomil
4810 - 550 Guimarães
Causa: renúncia
Data: da comunicação 30 de Junho de 2010

Conservatória do Registo Comercial de Guimarães
O(A) Ajudante por delegação, Maria Alice da Silva e Castro Lopes

An. 1 - 20100827 - Publicado em <http://www.mj.gov.pt/publicacoes>.
Conservatória do Registo Comercial de Guimarães
O(A) Ajudante por delegação, Maria Alice da Silva e Castro Lopes

Av.3 AP. 8/20100830 18:46:07 UTC - ACTUALIZADO

Paulo Pereira Mendes Teixeira de Melo, NIF 125219296, passou a desempenhar o cargo de Presidente do Conselho de Administração

Conservatória do Registo Comercial de Guimarães
O(A) Adjunto(a) do Conservador, em substituição, Anabela da Conceição Araújo Branco

An. 1 - 20100901 - Publicado em <http://www.mj.gov.pt/publicacoes>.
Conservatória do Registo Comercial de Guimarães
O(A) Adjunto(a) do Conservador, em substituição, Anabela da Conceição Araújo Branco

Insc.6 AP. 10/20100316 19:03:18 UTC - ALTERAÇÕES AO CONTRATO DE SOCIEDADE

Artigo(s) alterado(s): 2.^º

OBJECTO: Produção e distribuição de energia, construção civil e obras públicas.
Data de Encerramento do Exercício : 31 Dezembro

CONSERVATÓRIA DA SEDE:

Distrito: Braga
Concelho: Guimarães
Conservatoria: CRC de Guimarães

Conservatória do Registo Comercial de Guimarães
O(A) Ajudante por delegação, Maria Alice da Silva e Castro Lopes

An. 1 - 20100317 - Publicado em <http://www.mj.gov.pt/publicacoes>.
Conservatória do Registo Comercial de Guimarães
O(A) Ajudante por delegação, Maria Alice da Silva e Castro Lopes

Insc.7 AP. 11/20110427 12:38:07 UTC - DESIGNAÇÃO DE MEMBRO(S) DE ORGÃO(S) SOCIAL(AIS)

ÓRGÃO(S) DESIGNADO(S):

CONSELHO DE ADMINISTRAÇÃO:

Nome/Firma: PAULO PEREIRA MENDES TEIXEIRA DE MELO
NIF/NIPC: 125219296
Cargo: Presidente
Residência/Sede: Rua de São Tiago, 1425, Ronfe
4805 - 437 Guimarães

Nome/Firma: TIAGO EMAUZ DA COSTA GUIMARÃES
NIF/NIPC: 189359862
Cargo: Administrador
Residência/Sede: Rua Duarte Barbosa, 224, 1^º A, Foz do Douro
4150 - 282 Porto

Nome/Firma: CARLOS MANUEL MOREIRA DE ALMEIDA SANTOS
NIF/NIPC: 148604005
Cargo: Administrador
Residência/Sede: Quinta das Flores, Rua de S. Domingos, 21, S. Miguel do Couto
4780 - 770 Santo Tirso

FISCAL ÚNICO:

Nome/Firma: HORWATH & ASSOCIADOS, SROC LDA
NIF/NIPC: 506942155
Cargo: Fiscal Único
Residência/Sede: Edifício Scala, Rua do Vilar 235, 2^º andar
4050 - 626 Porto

SUPLENTE(S) DO FISCAL ÚNICO:

Nome/Firma: CARLA MANUELA SERRA GERALDES
NIF/NIPC: 212230956
Cargo: Suplente do Fiscal Único- roc 1127
Residência/Sede: Edifício Scala , Rua do Vilar 235, 2^º andar
4050 - 626 Porto

Prazo de duração do(s) mandato(s): Quadriénio 2011-2014
Data da deliberação: 25 de Março de 2011

A sociedade " HORWATH & ASSOCIADOS, SROC LDA" é representada por Sónia Bulhões Costa Matos Lourosa, Roc 1128.

Conservatória do Registo Comercial de Guimarães
O(A) Ajudante por delegação, Maria Alice da Silva e Castro Lopes

An. 1 - 20110429 - Publicado em <http://www.mj.gov.pt/publicacoes>.
Conservatória do Registo Comercial de Guimarães
O(A) Ajudante por delegação, Maria Alice da Silva e Castro Lopes

Av.1 AP. 5/20110715 18:15:32 UTC - CESSAÇÃO DE FUNÇÕES DE MEMBROS DO(S) ORGÃO(S) SOCIAL(AIS)

CONSELHO DE ADMINISTRAÇÃO:

Nome/Firma: PAULO PEREIRA MENDES TEIXEIRA DE MELO
NIF/NIPC: 125219296
Cargo: Presidente
Residência/Sede: Rua de São Tiago, 1425, Ronfe
4805 - 437 Guimarães
Causa: Renúncia
Data: 11 de Julho de 2011

Nome/Firma: TIAGO EMAUZ DA COSTA GUIMARÃES
NIF/NIPC: 189359862
Cargo: Administrador
Residência/Sede: Rua Duarte Barbosa, 224, 1º A, Foz do Douro
4150 - 282 Porto
Causa: Renúncia
Data: 11 de Julho de 2011

Nome/Firma: CARLOS MANUEL MOREIRA DE ALMEIDA SANTOS
NIF/NIPC: 148604005
Cargo: Administrador
Residência/Sede: Quinta das Flores, Rua de S. Domingos, 21, São Miguel
do Couto
4780 - 770 Santo Tirso
Causa: Renúncia
Data: 11 de Julho de 2011

Conservatória do Registo Comercial de Guimarães
O(A) Adjunto(a) do Conservador, em substituição, Anabela da Conceição Araújo Branco

An. 1 - 20110719 - Publicado em <http://www.mj.gov.pt/publicacoes>.
Conservatória do Registo Comercial de Guimarães
O(A) Adjunto(a) do Conservador, em substituição, Anabela da Conceição Araújo Branco

Insc.8 AP. 4/20110715 18:15:32 UTC - ALTERAÇÕES AO CONTRATO DE SOCIEDADE

FORMA DE OBRIGAR/ÓRGÃOS SOCIAIS:

Estrutura da administração: Será exercida por um Conselho de Administração, composto por um máximo de sete membros, que podem não ser accionistas.

Artigo(s) alterado(s): 7º e 17º

ACÇÕES:

Número de acções: 100000
Valor nominal : 5,00 Euros
Natureza: Ao portador

Conservatória do Registo Comercial de Guimarães
O(A) Adjunto(a) do Conservador, em substituição, Anabela da Conceição Araújo Branco

An. 1 - 20110719 - Publicado em <http://www.mj.gov.pt/publicacoes>.
Conservatória do Registo Comercial de Guimarães
O(A) Adjunto(a) do Conservador, em substituição, Anabela da Conceição Araújo Branco

Insc.9 AP. 6/20110715 18:15:32 UTC - DESIGNAÇÃO DE MEMBRO(S) DE ORGÃO(S) SOCIAL(AIS)

ÓRGÃO(S) DESIGNADO(S):

CONSELHO DE ADMINISTRAÇÃO:

Nome/Firma: ALBERT EBERHARD
NIF/NIPC: 178010677
Cargo: Presidente
Residência/Sede: Vila Florêncio, Rua Calhariz, 1C
2675 - 402 Monte Estoril

Nome/Firma: PEDRO JULIO DE OLIVEIRA EMILIANO NEVES
NIF/NIPC: 193556731
Cargo: Administrador
Residência/Sede: Rua Pedro Alvares Cabral, 47, ap.213
2775 - 615 Carcavelos

Nome/Firma: LUIS PIMENTEL VASQUES BAPTISTA
NIF/NIPC: 200517252
Cargo: Administrador
Residência/Sede: Rua Actor Estevão Amarante, 13
1500 - 013 Lisboa

Nome/Firma: CARLOS MANUEL MOREIRA DE ALMEIDA SANTOS
NIF/NIPC: 148604005
Cargo: Administrador
Residência/Sede: Quinta das Fontes, Rua de São Domingos, nº 21, São Miguel do Couto
4780 - 770 Santo Tirso

Prazo de duração do(s) mandato(s): Término do mandato em curso
Data da deliberação: 11 de Julho de 2011

Conservatória do Registo Comercial de Guimarães
O(A) Adjunto(a) do Conservador, em substituição, Anabela da Conceição Araújo Branco

An. 1 - 20110719 - Publicado em <http://www.mj.gov.pt/publicacoes>.
Conservatória do Registo Comercial de Guimarães
O(A) Adjunto(a) do Conservador, em substituição, Anabela da Conceição Araújo
Branco

Insc.10 AP. 14/20111017 16:17:45 UTC - CISÃO

SOCIEDADE(S) PARTICIPANTE(S):INCORPORANTE(S):

INDUSTRIAS TEXTEIS SOMELOS S.A.
NIPC: 500139288
Sede: Lugar de Valdante
Distrito: Braga Concelho: Guimarães Freguesia: Ronfe
4805 - 369 Guimarães

SOCIEDADE(S) PARTICIPANTE(S):INCORPORADA(S)/CINDIDAS(S):

SEVA-SOCIEDADE ENERGÉTICA DE VALDANTE S.A.
NIPC: 502159774
Sede: Lugar de Valdante
Distrito: Braga Concelho: Guimarães Freguesia: Ronfe
4805 - 369 Guimarães

Data da deliberação: 31 de Agosto de 2011
Número de depósito do projecto: 416/2011-07-28

Conservatória do Registo Comercial de Guimarães
O(A) Ajudante por delegação, Maria Alice da Silva e Castro Lopes

An. 1 - 20111020 - Publicado em <http://www.mj.gov.pt/publicacoes>.
Conservatória do Registo Comercial de Guimarães
O(A) Ajudante por delegação, Maria Alice da Silva e Castro Lopes

Insc.11 AP. 15/20191122 09:24:18 UTC - DESIGNAÇÃO DE MEMBRO(S) DE ORGÃO(S) SOCIAL(AIS)

ÓRGÃO(S) DESIGNADO(S):

CONSELHO DE ADMINISTRAÇÃO:

Nome/Firma: ALBERT EBERHARD
NIF/NIPC: 178010677
Cargo: Presidente
Residência/Sede: Rua Castilho, nº 1, 6º direito
1250 - 066 Lisboa

Nome/Firma: PEDRO JULIO DE OLIVEIRA EMILIANO NEVES
NIF/NIPC: 193556731
Cargo: Vogal
Residência/Sede: Rua Castilho, nº 1, 6º direito
1250 - 066 Lisboa

Nome/Firma: LUIS PIMENTEL VASQUES BAPTISTA
NIF/NIPC: 200517252
Cargo: Vogal
Residência/Sede: Rua Castilho, nº 1, 6º direito
1250 - 066 Lisboa

Nome/Firma: CARLOS MANUEL MOREIRA DE ALMEIDA SANTOS
NIF/NIPC: 148604005
Cargo: Vogal
Residência/Sede: Rua Castilho, nº 1, 6º direito
1250 - 066 Lisboa

FISCAL ÚNICO:

Nome/Firma: MAZARS & ASSOCIADOS - SOCIEDADE DE REVISORES OFICIAIS
DE CONTAS, S.A.
NIF/NIPC: 502107251
Residência/Sede: Rua Tomás da Fonseca - Torres de Lisboa, Torre G, 5º andar
1600 - 209 Lisboa

SUPLENTE(S) DO FISCAL ÚNICO:

Nome/Firma: PAULO JORGE DAMIÃO PEREIRA
NIF/NIPC: 202244970
Residência/Sede: Rua Tomás da Fonseca - Torres de Lisboa, Torre G, 5º andar
1600 - 209 Lisboa

Prazo de duração do(s) mandato(s): quadriénio 2019/2022.
Data da deliberação: 2019-03-26.

Conservatória do Registo Comercial Lisboa
O(A) Conservador(a), Maria Fernanda Marques Rolão Campos Garcia

An. 1 - 20191230 - Publicado em <http://www.mj.gov.pt/publicacoes>.
Conservatória do Registo Comercial Lisboa
O(A) Conservador(a), Maria Fernanda Marques Rolão Campos Garcia

Insc.12 AP. 9/20191127 09:18:46 UTC - ALTERAÇÕES AO CONTRATO DE SOCIEDADE

Artigo(s) alterado(s): 7º, nºs 1, 2 e 3 e 14º, nº 1

ACÇÕES:

Natureza: nominativas

Conservatória do Registo Comercial Lisboa
O(A) Conservador(a), Maria Fernanda Marques Rolão Campos Garcia

An. 1 - 20200109 - Publicado em <http://www.mj.gov.pt/publicacoes>.

Conservatória do Registo Comercial Lisboa
O(A) Conservador(a), Maria Fernanda Marques Rolão Campos Garcia

Insc.13 AP. 56/20200617 15:40:27 UTC - ALTERAÇÕES AO CONTRATO DE SOCIEDADE

Artigo(s) alterado(s): 3º nº 1, 5º, 11º nº 1, 12º nº 2, 22º nº 1.

FIRMA: SEVA-SOCIEDADE ENERGÉTICA DE VALDANTE S.A.
NATUREZA JURÍDICA: SOCIEDADE ANÓNIMA
SEDE: Rua Castilho, nº 1, 6º direito
Distrito: Lisboa Concelho: Lisboa Freguesia: Santo António
1250 - 066 Lisboa

Conservatória do Registo Comercial Lisboa
O(A) Conservador(a), Maria Fernanda Marques Rolão Campos Garcia

An. 1 - 20200619 - Publicado em <http://www.mj.gov.pt/publicacoes>.

Conservatória do Registo Comercial Lisboa
O(A) Conservador(a), Maria Fernanda Marques Rolão Campos Garcia

Menções de Depósito - Anotações

Menção DEP 4512/2007-09-17 17:36:19 UTC - PRESTAÇÃO DE CONTAS INDIVIDUAL

Ano da Prestação de Contas: 2006

Emitida Certificação Legal de Contas, sendo o parecer de Revisão: Sem Reservas e Sem Ênfases

Requerente e Responsável pelo Registo: SEVA SOC ENERGETICA VALDANTE SA
Menção realizada nos termos do Decreto-Lei nº. 8/2007 de 17 Janeiro

An. 1 - 20070917 - Publicado em <http://www.mj.gov.pt/publicacoes>

Menção realizada nos termos do Decreto-Lei nº. 8/2007 de 17 Janeiro

Menção DEP 3744/2008-07-02 18:22:22 UTC - PRESTAÇÃO DE CONTAS INDIVIDUAL

Ano da Prestação de Contas: 2007

Emitida Certificação Legal de Contas, sendo o parecer de Revisão: Sem Reservas e Sem Ênfases

Requerente e Responsável pelo Registo: SEVA SOC ENERGETICA VALDANTE SA
Menção realizada nos termos do Decreto-Lei nº. 8/2007 de 17 Janeiro

An. 1 - 20080702 - Publicado em <http://www.mj.gov.pt/publicacoes>

Menção realizada nos termos do Decreto-Lei nº. 8/2007 de 17 Janeiro

Menção DEP 1775/2009-07-08 18:27:20 UTC - PRESTAÇÃO DE CONTAS INDIVIDUAL

Ano da Prestação de Contas: 2008

Emitida Certificação Legal de Contas, sendo o parecer de Revisão: Sem Reservas

Requerente e Responsável pelo Registo: SEVA SOC ENERGETICA VALDANTE SA
Menção realizada nos termos do Decreto-Lei nº. 8/2007 de 17 Janeiro

An. 1 - 20090708 - Publicado em <http://www.mj.gov.pt/publicacoes>

Menção realizada nos termos do Decreto-Lei nº. 8/2007 de 17 Janeiro

Menção DEP 2949/2010-07-15 18:47:09 UTC - PRESTAÇÃO DE CONTAS INDIVIDUAL

Ano da Prestação de Contas: 2009

Emitida Certificação Legal de Contas, sendo o parecer de Revisão: Sem Reservas

Requerente e Responsável pelo Registo: SEVA SOC ENERGETICA VALDANTE SA
Menção realizada nos termos do Decreto-Lei nº. 8/2007 de 17 Janeiro

An. 1 - 20100715 - Publicado em <http://www.mj.gov.pt/publicacoes>

Menção realizada nos termos do Decreto-Lei nº. 8/2007 de 17 Janeiro

Menção Dep 416/2011-07-28 13:22:11 UTC - PROJETO DE FUSÃO

MODALIDADE:

CISÃO - FUSÃO, com destaque de parte do património da sociedade cindida "Seva - Sociedade Energética de Valdante, S.A", para incorporar a sociedade "Indústrias Texteis Somelos S.A".

SOCIEDADE(S) PARTICIPANTE(S):

SEVA-SOCIEDADE ENERGÉTICA DE VALDANTE S.A.
NIPC: **502159774**

Sede: Lugar de Valdante
Distrito: Braga Concelho: Guimarães Freguesia: Ronfe
4805 - 369 Guimarães - SOCIEDADE CINDIDA

INDÚSTRIAS TEXTEIS SOMELOS S.A.

NIPC: **500139288**

Sede: Lugar de Valdante
Distrito: Braga Concelho: Guimarães Freguesia: Ronfe
4805 - 369 Guimarães - SOCIEDADE INCORPORANTE

Requerente e Responsável pelo Registo,

HUGO COSTA E SILVA - ADV., Advogado(a), Cédula Profissional n.º 1038
 Morada: AV^a GENERAL HUMBERTO DELGADO, 181
 Código Postal: 4800-158 GUIMARÃES

Conservatória do Registo Comercial de Guimarães
 O(A) Escriturário(a), Maria Georgina G. Rodrigues

An. 1 - 20110728 - Publicado em <http://www.mj.gov.pt/publicacoes>.
 Conservatória do Registo Comercial de Guimarães
 O(A) Escriturário(a), Maria Georgina G. Rodrigues

Menção DEP 2134/2011-09-24 19:50:09 UTC - PRESTAÇÃO DE CONTAS INDIVIDUAL

Ano da Prestação de Contas: 2010 (2010-01-01 a 2010-12-31)

Emitida Certificação Legal de Contas, sendo o parecer de Revisão: Com Ênfases

Requerente e Responsável pelo Registo: SEVA SOC ENERGETICA VALDANTE SA
Menção realizada nos termos do Decreto-Lei nº. 8/2007 de 17 Janeiro

An. 1 - 20110924 - Publicado em <http://www.mj.gov.pt/publicacoes>

Menção realizada nos termos do Decreto-Lei nº. 8/2007 de 17 Janeiro

Menção DEP 2684/2012-07-17 21:32:39 UTC - PRESTAÇÃO DE CONTAS INDIVIDUAL

Ano da Prestação de Contas: 2011 (2011-01-01 a 2011-12-31)

Emitida Certificação Legal de Contas, sendo o parecer de Revisão: Sem Reservas

Requerente e Responsável pelo Registo: SEVA SOC ENERGETICA VALDANTE SA
Menção realizada nos termos do Decreto-Lei nº. 8/2007 de 17 Janeiro

An. 1 - 20120717 - Publicado em <http://www.mj.gov.pt/publicacoes>

Menção realizada nos termos do Decreto-Lei nº. 8/2007 de 17 Janeiro

Menção DEP 4141/2013-07-19 23:35:53 UTC - PRESTAÇÃO DE CONTAS INDIVIDUAL

Ano da Prestação de Contas: 2012 (2012-01-01 a 2012-12-31)

Emitida Certificação Legal de Contas, sendo o parecer de Revisão: Sem Reservas e Sem Ênfases

Requerente e Responsável pelo Registo: SEVA SOC ENERGETICA VALDANTE SA
Menção realizada nos termos do Decreto-Lei nº. 8/2007 de 17 Janeiro

An. 1 - 20130719 - Publicado em <http://www.mj.gov.pt/publicacoes>

Menção realizada nos termos do Decreto-Lei nº. 8/2007 de 17 Janeiro

Menção DEP 3837/2014-07-18 00:54:37 UTC - PRESTAÇÃO DE CONTAS INDIVIDUAL

Ano da Prestação de Contas: 2013 (2013-01-01 a 2013-12-31)

Emitida Certificação Legal de Contas, sendo o parecer de Revisão: Sem Reservas

Requerente e Responsável pelo Registo: SEVA SOC ENERGETICA VALDANTE SA
Menção realizada nos termos do Decreto-Lei nº. 8/2007 de 17 Janeiro

An. 1 - 20140718 - Publicado em <http://www.mj.gov.pt/publicacoes>

Menção realizada nos termos do Decreto-Lei nº. 8/2007 de 17 Janeiro

Menção DEP 3121/2015-07-17 05:43:46 UTC - PRESTAÇÃO DE CONTAS INDIVIDUAL

Ano da Prestação de Contas: 2014 (2014-01-01 a 2014-12-31)

Emitida Certificação Legal de Contas, sendo o parecer de Revisão: Sem Reservas e Sem Ênfases

Requerente e Responsável pelo Registo: SEVA SOC ENERGETICA VALDANTE SA
Menção realizada nos termos do Decreto-Lei nº. 8/2007 de 17 Janeiro

An. 1 - 20150717 - Publicado em <http://www.mj.gov.pt/publicacoes>

Menção realizada nos termos do Decreto-Lei nº. 8/2007 de 17 Janeiro

Menção DEP 1809/2016-07-16 00:26:25 UTC - PRESTAÇÃO DE CONTAS INDIVIDUAL

Ano da Prestação de Contas: 2015 (2015-01-01 a 2015-12-31)

Emitida Certificação Legal de Contas, sendo o parecer de Revisão: Sem Reservas e Sem Ênfases

Requerente e Responsável pelo Registo: SEVA SOC ENERGETICA VALDANTE SA
Menção realizada nos termos do Decreto-Lei nº. 8/2007 de 17 Janeiro

An. 1 - 20160716 - Publicado em <http://www.mj.gov.pt/publicacoes>

Menção realizada nos termos do Decreto-Lei nº. 8/2007 de 17 Janeiro

Menção DEP 3407/2017-07-29 21:54:29 UTC - PRESTAÇÃO DE CONTAS INDIVIDUAL

Ano da Prestação de Contas: 2016 (2016-01-01 a 2016-12-31)

Emitida Certificação Legal de Contas, sendo o parecer de Revisão: Sem Reservas e Sem Ênfases

Requerente e Responsável pelo Registo: SEVA SOC ENERGETICA VALDANTE SA
Menção realizada nos termos do Decreto-Lei nº. 8/2007 de 17 Janeiro

An. 1 - 20170729 - Publicado em <http://www.mj.gov.pt/publicacoes>

Menção realizada nos termos do Decreto-Lei nº. 8/2007 de 17 Janeiro

Menção DEP 2299/2018-07-16 22:31:14 UTC - PRESTAÇÃO DE CONTAS INDIVIDUAL

Ano da Prestação de Contas: 2017 (2017-01-01 a 2017-12-31)

Emitida Certificação Legal de Contas, sendo o parecer de Revisão: Sem Reservas e Sem Ênfases

Requerente e Responsável pelo Registo: SEVA SOC ENERGETICA VALDANTE SA
Menção realizada nos termos do Decreto-Lei nº. 8/2007 de 17 Janeiro

An. 1 - 20180716 - Publicado em <http://www.mj.gov.pt/publicacoes>

Menção realizada nos termos do Decreto-Lei nº. 8/2007 de 17 Janeiro

Menção DEP 1363/2019-07-11 23:55:55 UTC - PRESTAÇÃO DE CONTAS INDIVIDUAL

Ano da Prestação de Contas: 2018 (2018-01-01 a 2018-12-31)

Emitida Certificação Legal de Contas, sendo o parecer de Revisão: Sem Reservas e Sem Ênfases

Requerente e Responsável pelo Registo: SEVA SOC ENERGETICA VALDANTE SA
Menção realizada nos termos do Decreto-Lei nº. 8/2007 de 17 Janeiro

An. 1 - 20190711 - Publicado em <http://www.mj.gov.pt/publicacoes>

Menção realizada nos termos do Decreto-Lei nº. 8/2007 de 17 Janeiro

Menção DEP 1512/2020-08-17 20:57:56 UTC - PRESTAÇÃO DE CONTAS INDIVIDUAL

Ano da Prestação de Contas: 2019 (2019-01-01 a 2019-12-31)

Emitida Certificação Legal de Contas, sendo o parecer de Revisão: Sem Reservas e Sem Ênfases

Requerente e Responsável pelo Registo: SEVA SOC ENERGETICA VALDANTE SA
Menção realizada nos termos do Decreto-Lei nº. 8/2007 de 17 Janeiro

An. 1 - 20200817 - Publicado em <http://www.mj.gov.pt/publicacoes>

Menção realizada nos termos do Decreto-Lei nº. 8/2007 de 17 Janeiro

Menção DEP 1529/2020-08-17 20:59:52 UTC - ACTUALIZAÇÃO PRESTAÇÃO DE CONTAS INDIVIDUAL

Ano da Prestação de Contas: 2019 (2019-01-01 a 2019-12-31)

Emitida Certificação Legal de Contas, sendo o parecer de Revisão: Sem Reservas e Sem Ênfases

Requerente e Responsável pelo Registo: SEVA SOC ENERGETICA VALDANTE SA
Menção realizada nos termos do Decreto-Lei nº. 8/2007 de 17 Janeiro

An. 1 - 20200817 - Publicado em <http://www.mj.gov.pt/publicacoes>

Menção realizada nos termos do Decreto-Lei nº. 8/2007 de 17 Janeiro

Menção DEP 179/2021-04-22 20:05:29 UTC - ACTUALIZAÇÃO PRESTAÇÃO DE CONTAS INDIVIDUAL

Ano da Prestação de Contas: 2019 (2019-01-01 a 2019-12-31)

Emitida Certificação Legal de Contas, sendo o parecer de Revisão: Com Ênfases

Requerente e Responsável pelo Registo: SEVA SOC ENERGETICA VALDANTE SA
Menção realizada nos termos do Decreto-Lei nº. 8/2007 de 17 Janeiro

An. 1 - 20210422 - Publicado em <http://www.mj.gov.pt/publicacoes>

Menção realizada nos termos do Decreto-Lei nº. 8/2007 de 17 Janeiro

Menção DEP 1546/2021-07-16 21:20:09 UTC - PRESTAÇÃO DE CONTAS INDIVIDUAL

Ano da Prestação de Contas: 2020 (2020-01-01 a 2020-12-31)

Emitida Certificação Legal de Contas, sendo o parecer de Revisão: Sem Reservas e Sem Ênfases

Requerente e Responsável pelo Registo: SEVA SOC ENERGETICA VALDANTE SA
Menção realizada nos termos do Decreto-Lei nº. 8/2007 de 17 Janeiro

An. 1 - 20210716 - Publicado em <http://www.mj.gov.pt/publicacoes>

Menção realizada nos termos do Decreto-Lei nº. 8/2007 de 17 Janeiro

Certidão permanente subscrita em 10-02-2022 e válida até 10-02-2023

Fim da Certidão

Nota Importante:

Não necessita de imprimir este documento. Pode dar o código de acesso a qualquer entidade pública ou privada, sempre que precise de apresentar uma certidão de registo comercial.

CALCULATION OF VCI-A WEATS HEATING POWER

THE CASE:

The waste heat from the following plant is used in the process of verifying the VCI-A.

Instead of considering this waste heat as waste and releasing it into the air, it is further used by the industry. The industry, in turn, does not have to generate heat from gas and can thus use it in a climate-neutral way.

PLANT:

SEVA - Cogeneration Plant

SEVA, Sociedade

Energética de Valdante, SA

Linked to the Somelos Textile

industry, this Power plant consists
of 1 MWM engine with 4.33 MW
and 1 containerized MTU engine
with 1.55 MW. It is in operation
since February 2012.

+1 (650) 488-4111
info@BELOW2.earth
BELOW2.earth

CEO: Oliver T. Helleriegel, +49-151-5251-5251
COO: Gerrit Peters, +49-179-7818-497

548 Market Street PMB 27428
San Francisco CA 94104
United States of America

BELOW2 Inc.

1



THE AMOUNT:

25/2/22 – START OF OPERATION (without FiT):	134014.51 t
31/8/22 – End of August:	140114.14 t
TOTAL production feb-aug:	6099.63 t

(slight correction by 0,51t in comparison with last mail).

MTU engine:	36.450.151,09kg
MWM engine:	106.224.060 kg
TOTAL:	142.674.211kg = 142.674,21 t By November 4th.

Tons of steam (not thermal MW)

1t of steam = 759,55 kWth

To produce 759,55 kWth with a boiler you need 843,95 kWgas (assuming 90% efficiency of boiler)

Using the factor of 1MWgas burnt = 0,1855t of CO2, we get a value of 0,1565t of CO2 per ton of steam

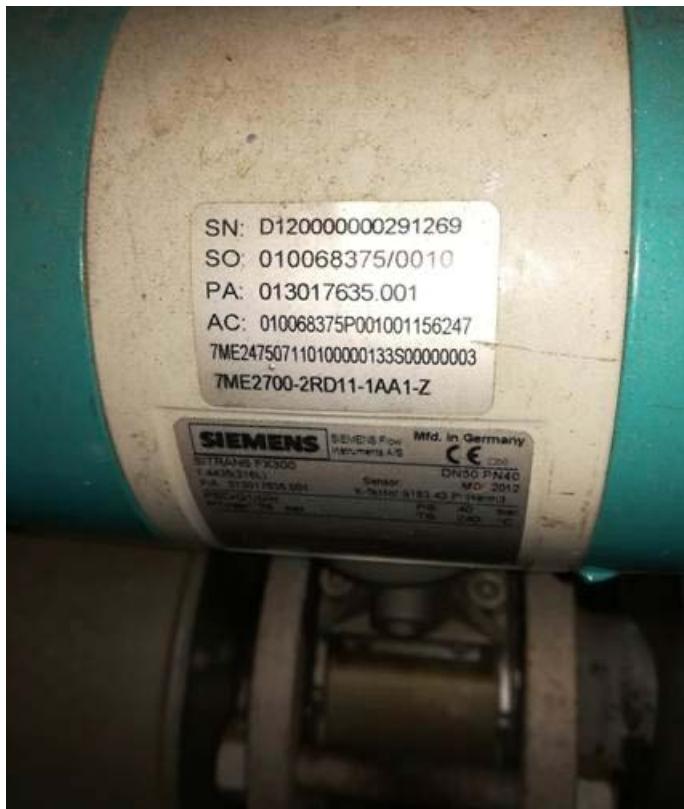
Therefore the steam produced with SEVA from February to August 2022 saved 955 tons of CO2 from gas not burnt in their boilers.

→ We use 304 tons of CO2/e out of the 955 tons CO2/e created

METER PICTURES

GRUPO MWM	
Manobras Motor	3572
Manobras Disjuntor	3472
Tempo Motor	43892,1horas
Tempo Grupo na Rede	43696,8horas
T. Operação Rele Prot. MRMV4	94119,4horas
T. Operação Rele Prot. MRDT4	94112,7horas
Energia Activa Exportação	84449,784MWh
Energia Reactiva Exportação	74537,120MVArh
Energia Activa Importação	0,563MWh
Energia Reactiva Importação	6,792MVArh
CONTADOR GAS MWM	
Consumo Gás	11974198m3
Consumo Gás Normal	23479535Nm3
APROVEITAMENTOS TERMICOS MWM	
Energia Termica Circuito BT	5231,18MWh
Energia Termica Circuito BT	18832,25GJ
Volume Água Circuito BT	1320243m3
Energia Termica Circuito AT	42891,35MWh
Energia Termica Circuito AT	154408,86GJ
Volume Água Circuito AT	4066495m3
CALDEIRA RECUPERAÇÃO	
Tempo Operação	0 horas
Tempo Operação Bomba 1	0 horas
Tempo Operação Bomba 2	0 horas
Consumo Água	152349 m3
Produção Vapor	106223,84 ton
Energia Termica Vapor	79407,74MWh

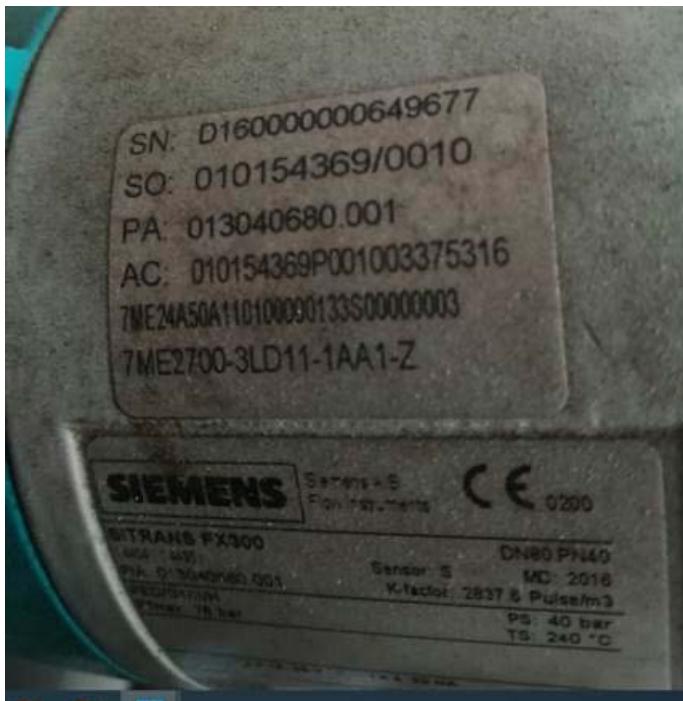
Registros no DCS do Motor MWM



Características Contador MTU



Leitura Vapor - Contador MTU



Características Contador MWM



Leitura Vapor - Contador MWM

Data	Hora	GN PRM VN m3(n)	Vapor Ton	Água Quente MWh	EE Ativa produzida MWh
21.02.22					
22.02.22					
23.02.22					
24.02.22					
25.02.22	6:30	52.030.896	134.014,51	47.043,64	220.998,02
26.02.22					
27.02.22					
28.02.22					
01.03.22					
02.03.22	6:30	52.051.197	134.066,80	47.072,95	221.085,79
03.03.22	6:30	52.072.572	134.119,20	47.102,22	221.177,08
04.03.22	6:30	52.094.069	134.169,02	52.187,57	221.270,30
05.03.22					
06.03.22					
07.03.22	6:30	52.115.473	134.221,47	52.225,13	221.363,18
08.03.22	6:30	52.137.091	134.272,68	52.263,25	221.456,15
09.03.22	6:30	52.158.986	134.327,27	52.302,15	221.549,18
10.03.22	6:30	52.180.859	134.381,49	52.340,63	221.642,08
11.03.22	6:30	52.202.757	134.438,70	52.371,52	221.734,97
12.03.22					
13.03.22					
14.03.22	6:30	52.224.609	134.497,43	52.409,69	221.827,86
15.03.22	6:30	52.246.514	134.550,88	52.449,09	221.920,84
16.03.22	6:30	52.252.322	134.568,48	52.462,56	221.943,99
17.03.22	6:30	52.273.860	134.622,76	52.494,80	222.036,87
18.03.22	6:30	52.295.378	134.671,14	52.531,88	222.129,77
19.03.22					
20.03.22					
21.03.22	6:30	52.316.884	134.729,09	52.564,47	222.222,50
22.03.22	6:30	52.338.396	134.783,86	52.603,44	222.315,41
23.03.22	6:30	52.359.923	134.842,00	52.640,05	222.408,36
24.03.22	6:30	52.381.880	134.900,86	52.670,35	222.501,22
25.03.22	6:30	52.403.690	134.958,41	52.703,34	222.594,01
26.03.22					
27.03.22					
28.03.22	6:30	52.425.569	135.020,73	52.732,87	222.686,84
29.03.22	6:30	52.447.117	135.077,17	52.769,88	222.779,53
30.03.22	6:30	52.468.769	135.134,19	52.805,73	222.872,39
31.03.22	6:30	52.490.815	135.192,51	52.834,70	222.965,28

Data	Hora	GN PRM VN m3(n)	Vapor Ton	Água Quente MWh	EE Ativa produzida MWh
21.02.22					
22.02.22					
23.02.22					
24.02.22					
25.02.22	6:30	52.030.896	134.014,51	47.043,64	220.998,02
26.02.22					
27.02.22					
28.02.22					
01.03.22					
02.03.22	6:30	52.051.197	134.066,80	47.072,95	221.085,79
03.03.22	6:30	52.072.572	134.119,20	47.102,22	221.177,08
04.03.22	6:30	52.094.069	134.169,02	52.187,57	221.270,30
05.03.22					
06.03.22					
07.03.22	6:30	52.115.473	134.221,47	52.225,13	221.363,18
08.03.22	6:30	52.137.091	134.272,68	52.263,25	221.456,15
09.03.22	6:30	52.158.986	134.327,27	52.302,15	221.549,18
10.03.22	6:30	52.180.859	134.381,49	52.340,63	221.642,08
11.03.22	6:30	52.202.757	134.438,70	52.371,52	221.734,97
12.03.22					
13.03.22					
14.03.22	6:30	52.224.609	134.497,43	52.409,69	221.827,86
15.03.22	6:30	52.246.514	134.550,88	52.449,09	221.920,84
16.03.22	6:30	52.252.322	134.568,48	52.462,56	221.943,99
17.03.22	6:30	52.273.860	134.622,76	52.494,80	222.036,87
18.03.22	6:30	52.295.378	134.671,14	52.531,88	222.129,77
19.03.22					
20.03.22					
21.03.22	6:30	52.316.884	134.729,09	52.564,47	222.222,50
22.03.22	6:30	52.338.396	134.783,86	52.603,44	222.315,41
23.03.22	6:30	52.359.923	134.842,00	52.640,05	222.408,36
24.03.22	6:30	52.381.880	134.900,86	52.670,35	222.501,22
25.03.22	6:30	52.403.690	134.958,41	52.703,34	222.594,01
26.03.22					
27.03.22					
28.03.22	6:30	52.425.569	135.020,73	52.732,87	222.686,84
29.03.22	6:30	52.447.117	135.077,17	52.769,88	222.779,53
30.03.22	6:30	52.468.769	135.134,19	52.805,73	222.872,39
31.03.22	6:30	52.490.815	135.192,51	52.834,70	222.965,28

Data	Hora	GN PRM VN m3(n)	Vapor Ton	Água Quente MWh	EE Ativa produzida MWh
31.03.22	6:30	52.490.815	135.192,51	52.834,70	222.965,28
01.04.22	6:30	52.512.968	135.250,55	52.860,66	223.058,21
02.04.22					
03.04.22					
04.04.22	6:30	52.535.075	135.312,14	52.889,08	223.151,08
05.04.22	6:30	52.556.976	135.367,18	52.924,64	223.242,94
06.04.22	6:30	52.579.206	135.423,95	52.959,72	223.335,94
07.04.22	6:30	52.601.430	135.483,43	52.993,97	223.428,88
08.04.22	6:30	52.623.286	135.541,50	53.025,28	223.521,35
09.04.22					
10.04.22					
11.04.22	6:30	52.644.988	135.604,72	53.056,18	223.614,22
12.04.22	6:30	52.666.699	135.660,40	53.089,74	223.707,17
13.04.22	6:30	52.688.420	135.719,15	53.122,73	223.800,10
14.04.22	6:30	52.710.141	135.778,18	53.151,16	223.829,98
15.04.22					
16.04.22					
17.04.22					
18.04.22					
19.04.22	6:30	52.731.819	135.840,30	53.179,15	223.985,72
20.04.22	6:30	52.753.527	135.896,81	53.207,24	224.078,64
21.04.22	6:30	52.758.545	135.910,37	53.215,72	224.099,86
22.04.22	6:30	52.780.381	135.965,83	53.249,48	224.192,85
23.04.22					
24.04.22					
25.04.22					
26.04.22	6:30	52.802.172	136.028,75	53.274,90	224.285,71
27.04.22	6:30	52.823.400	136.083,01	53.301,98	224.377,35
28.04.22	6:30	52.844.684	136.141,45	53.330,23	224.469,29
29.04.22	6:30	52.866.016	136.199,54	53.359,60	224.561,25
30.04.22					
31.03.22					

Data	Hora	GN PRM	Vapor	Água Quente	EE Ativa produzida
		VN m3(n)	Ton	MWh	MWh
29.04.22	6:30	52.866.016	136.199,54	53.359,60	224.561,25
30.04.22					
01.05.22					
02.05.22	06:30	52.887.306	136.260,45	53.388,34	224.652,99
03.05.22	06:30	52.909.369	136.318,28	53.423,70	224.745,08
04.05.22	06:30	52.931.359	136.376,67	53.451,16	224.836,43
05.05.22	06:30	52.953.371	136.434,93	53.476,75	224.927,68
06.05.22	06:30	52.975.962	136.495,25	53.506,97	225.021,43
07.05.22					
08.05.22					
09.05.22	06:30	52.998.702	136.557,67	53.730,93	225.115,17
10.05.22	06:30	53.021.622	136.616,31	53.566,24	225.209,17
11.05.22	06:30	53.044.533	136.673,75	53.594,37	225.303,23
12.05.22	06:30	53.067.324	136.731,35	53.620,70	225.397,45
13.05.22	06:30	53.089.614	136.786,90	53.648,68	225.491,02
14.05.22					
15.05.22					
16.05.22	06:30	53.112.005	136.845,56	53.672,08	225.584,85
17.05.22	06:30	53.134.472	136.903,00	53.705,00	225.679,22
18.05.22	06:30	53.156.743	136.961,67	53.736,47	225.772,73
19.05.22	06:30	53.178.829	137.019,74	53.764,78	225.865,22
20.05.22	06:30	53.201.299	137.077,77	53.792,59	225.958,51
21.05.22					
22.05.22					
23.05.22	06:30	53.223.783	137.140,48	53.820,24	226.051,15
24.05.22	06:30	53.246.320	137.194,57	53.852,26	226.144,55
25.05.22	06:30	53.268.887	137.251,79	53.883,92	226.238,19
26.05.22	06:30	53.290.855	137.298,19	53.913,17	226.331,58
27.05.22	06:30	53.312.702	137.353,21	53.939,30	226.424,61
28.05.22					
29.05.22					
30.05.22	06:30	53.334.540	137.411,34	53.963,04	226.517,32
31.05.22	06:30	53.356.659	137.467,59	54.000,14	226.610,91

Data	Hora	GN PRM VN m3(n)	Vapor Ton	Água Quente MWh	EE Ativa produzida MWh
31.05.22	06:30	53.356.659	137.467,59	54.000,14	226.610,91
01.06.22	06:30	53.378.810	137.525,15	54.026,81	226.704,32
02.06.22	06:30	53.400.843	137.582,71	54.057,68	226.797,86
03.06.22	06:30	53.422.836	137.638,83	54.088,21	226.891,32
04.06.22					
05.06.22					
06.06.22	06:30	53.444.833	137.699,10	54.113,53	226.984,71
07.06.22	06:30	53.467.050	137.755,14	54.146,48	227.078,29
08.06.22	06:30	53.489.298	137.809,36	54.175,16	227.171,66
09.06.22	06:30	53.511.523	137.867,54	54.201,47	227.264,90
10.06.22					
11.06.22					
12.06.22					
13.06.22	06:30	53.533.760	137.924,23	54.225,37	227.357,83
14.06.22	06:30	53.555.630	137.976,83	54.243,18	227.448,89
15.06.22	06:30	53.577.853	138.032,33	54.268,10	227.541,77
16.06.22					
17.06.22					
18.06.22					
19.06.22					
20.06.22	06:30	53.594.892	138.078,90	54.292,00	227.613,26
21.06.22	06:30	53.617.191	138.133,65	54.319,78	227.706,79
22.06.22	06:30	53.639.596	138.188,64	54.346,95	227.800,41
23.06.22	06:30	53.662.109	138.240,20	54.377,62	227.893,99
24.06.22					
25.06.22					
26.06.22					
27.06.22	06:30	53.684.636	138.295,14	54.405,79	227.987,64
28.06.22	06:30	53.706.755	138.348,30	54.432,02	228.081,02
29.06.22	06:30	53.727.330	138.402,10	54.461,29	228.167,17
30.06.22	06:30	53.749.800	138.458,48	54.490,90	228.260,69

Data	Hora	GN PRM	Vapor	Água Quente	EE Ativa produzida
		VN m3(n)	Ton	MWh	MWh
30.06.22	06:30	53.749.800	138.458,48	54.490,90	228.260,69
01.07.22	06:30	53.772.265	138.514,74	54.514,01	228.354,06
02.07.22					
03.07.22					
04.07.22	06:30	53.794.099	138.570,04	54.538,84	228.446,30
05.07.22	06:30	53.816.079	138.626,83	54.571,32	228.538,73
06.07.22	06:30	53.836.918	138.679,38	54.593,94	228.625,89
07.07.22	06:30	53.858.661	138.736,38	54.619,63	228.716,73
08.07.22	06:30	53.880.128	138.793,16	54.641,26	228.806,27
09.07.22					
10.07.22					
11.07.22	06:30	53.901.458	138.852,72	54.667,35	228.895,16
12.07.22	06:30	53.922.887	138.908,10	54.697,82	228.986,55
13.07.22	06:30	53.943.668	138.963,04	54.718,72	229.074,40
14.07.22	06:30	53.964.469	139.020,35	54.744,03	229.162,12
15.07.22	06:30	53.964.469	139.078,30	54.765,89	229.249,98
16.07.22					
17.07.22					
18.07.22	06:30	54.005.957	139.138,22	54.788,99	229.338,83
19.07.22	06:30	54.027.553	139.195,86	54.820,15	229.431,45
20.07.22	06:30	54.049.264	139.255,27	54.839,57	229.524,02
21.07.22	06:30	54.049.264	139.313,85	54.864,60	229.615,62
22.07.22	06:30	54.092.348	139.372,74	54.888,37	229.707,12
23.07.22					
24.07.22					
25.07.22	06:30	54.113.841	139.433,76	54.914,71	229.798,63
26.07.22	06:30	54.135.379	139.488,27	54.939,73	229.890,44
27.07.22	06:30	54.156.861	139.541,44	54.963,43	229.982,53
28.07.22	06:30	54.178.303	139.593,57	54.992,77	230.074,77
29.07.22	06:30	54.199.728	139.650,84	55.014,98	230.166,88
30.07.22					
31.07.22					

Data	Hora	GN PRM VN m3(n)	Vapor Ton	Água Quente MWh	EE Ativa produzida MWh
29.07.22	06:30	54.199.728	139.650,84	55.014,98	230.166,88
30.07.22					
31.07.22					
01.08.22	06:30	54.220.999	139.708,32	55.039,32	230.258,06
02.08.22	06:30	54.242.155	139.762,90	55.066,22	230.348,76
03.08.22	06:30	54.263.430	139.821,93	55.087,25	230.440,04
04.08.22	06:30	54.284.789	139.879,91	55.108,95	230.532,00
05.08.22	06:30	54.306.775	139.938,63	55.133,34	230.623,98
06.08.22					
07.08.22					
08.08.22	06:30	54.328.795	139.999,39	55.149,68	230.715,47
09.08.22					
10.08.22					
11.08.22					
12.08.22					
13.08.22					
14.08.22					
15.08.22					
16.08.22					
17.08.22					
18.08.22					
19.08.22					
20.08.22					
21.08.22					
22.08.22					
23.08.22					
24.08.22					
25.08.22					
26.08.22					
27.08.22					
28.08.22					
29.08.22	06:30	54.328.795	139.999,39	55.149,68	230.715,47
30.08.22	06:30	54.350.540	140.055,88	55.173,02	230.805,51
31.08.22	06:30	54.372.933	140.114,14	55.194,87	230.898,04

Data	Hora	GN PRM	Vapor	Água Quente	EE Ativa produzida
		VN m3(n)	Ton	MWh	MWh
31.08.22	06:30	54.372.933	140.114,14	55.194,87	230.898,04
01.09.22	06:30	54.395.285	140.171,60	55.221,76	230.990,48
02.09.22	06:30	54.417.415	140.229,37	55.246,82	231.083,00
03.09.22					
04.09.22					
05.09.22	06:30	54.439.322	140.286,12	55.271,77	231.174,19
06.09.22	06:30	54.461.335	140.341,84	55.304,47	231.266,66
07.09.22	06:30	54.483.968	140.399,53	55.332,29	231.359,21
08.09.22	06:30	54.506.420	140.457,60	55.356,83	231.451,03
09.09.22	06:30	54.529.082	140.517,33	55.378,66	231.543,74
10.09.22					
11.09.22					
12.09.22	06:30	54.551.086	140.578,08	55.406,66	231.635,97
13.09.22	06:30	54.573.363	140.634,89	55.439,40	231.728,39
14.09.22	06:30	54.595.412	140.691,80	55.467,94	231.819,84
15.09.22	06:30	54.617.660	140.749,78	55.495,58	231.912,20
16.09.22	06:30	54.639.889	140.807,44	55.523,08	232.004,42
17.09.22					
18.09.22					
19.09.22	06:30	54.662.046	140.866,93	55.547,09	232.096,27
20.09.22	06:30	54.683.801	140.923,62	55.579,56	232.187,43
21.09.22	06:30	54.705.647	140.980,41	55.608,80	232.279,40
22.09.22	06:30	54.727.482	141.036,60	55.632,74	232.371,39
23.09.22	06:30	54.749.332	141.094,27	55.659,37	232.463,67
24.09.22					
25.09.22					
26.09.22	06:30	54.771.159	141.154,03	55.690,14	232.555,99
27.09.22	06:30	54.792.955	141.210,57	55.722,04	232.648,53
28.09.22	06:30	54.814.701	141.269,98	55.750,42	232.741,05
29.09.22	06:30	54.836.331	141.329,11	55.777,42	232.833,65
30.09.22	06:30	54.857.816	141.387,12	55.805,30	232.926,27

Data	Hora	GN PRM VN m3(n)	Vapor Ton	Água Quente MWh	EE Ativa produzida MWh
30.09.22	06:30	54.857.816	141.387,12	55.805,30	232.926,27
01.10.22					
02.10.22					
03.10.22	06:30	54.879.258	141.447,98	55.836,25	233.018,82
04.10.22	06:30	54.900.804	141.503,49	55.872,46	233.110,60
05.10.22					
06.10.22	06:30	54.922.504	141.562,66	55.904,87	233.202,97
07.10.22	06:30	54.944.108	141.619,58	55.931,61	233.295,34
08.10.22					
09.10.22					
10.10.22	06:30	54.966.015	141.679,47	55.964,66	233.387,68
11.10.22	06:30	54.987.802	141.736,70	55.997,80	233.480,32
12.10.22	06:30	55.009.609	141.795,04	56.031,68	233.572,76
13.10.22	06:30	55.031.191	141.852,87	56.059,35	233.665,17
14.10.22	06:30	55.052.956	141.897,17	56.087,67	233.757,77
15.10.22					
16.10.22					
17.10.22	06:30	55.074.798	141.957,48	56.117,96	233.850,23
18.10.22	06:30	55.096.594	142.015,02	56.154,84	233.942,87
19.10.22	06:30	55.118.179	142.072,09	56.186,74	234.033,87
20.10.22	06:30	55.140.226	142.129,09	56.217,86	234.126,58
21.10.22	06:30	55.157.716	142.178,48	56.246,73	234.201,58
22.10.22					
23.10.22					
24.10.22	06:30	55.179.493	142.232,33	56.263,91	234.293,29
25.10.22	06:30	55.201.308	142.287,75	56.300,85	234.384,79
26.10.22	06:30	55.223.361	142.311,50	56.337,08	234.477,34
27.10.22	06:30	55.245.282	142.335,66	56.370,06	234.569,77
28.10.22	06:30	55.267.161	142.412,88	56.398,93	234.661,74
29.10.22					
30.10.22					
31.10.22	06:30	55.289.145	142.472,93	56.429,69	234.754,37

Data	Hora	GN PRM VN m3(n)	Vapor Ton	Água Quente MWh	EE Ativa produzida MWh
31.10.22	06:30	55.289.145	142.472,93	56.429,69	234.754,37
01.11.22					
02.11.22	06:30	55.310.937	142.531,34	56.451,34	234.846,54
03.11.22	06:30	55.332.694	142.588,16	56.482,11	234.939,27
04.11.22	06:30	55.354.533	142.645,85	56.512,88	235.032,00
05.11.22					
06.11.22					
07.11.22					
08.11.22					
09.11.22					
10.11.22					
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Project Description and Legal Statement

Foreword:

BELOW2 Inc. (hereinafter BELOW2) is a verification and downstream establishment company for carbon credits, which are created as Verified Carbon Impacts (VCI) via the BELOW2 standard. After successfully verifying projects or developing projects that remove CO₂ from the atmosphere (C-Sink/ Removal) or avoid the creation of CO₂ (C-Avoidance), the VCIs are documented on the blockchain and marketed directly or indirectly by BELOW2 as Non-Fungible Tokens (NFTs).

Agreement:

The respective project's operator/developer/owner (impact creator) receives a share of the sales proceeds according to the defined BELOW2 rules of the specific cases.

Project/ Company/ Legal entity (hereafter "Project Partner")

Energetus S.A.

Representative

Patrick Eberhard

Project description (hereafter "The Project")

Waste Heat / Local Heat for industrial use

BELOW2 hereby declares that it has informed the project partner that the following conditions without exception must be fulfilled for a business relationship and thus for a payout. In the event that the partner negligently or intentionally pretends to fulfill the requirements but does not do so, BELOW2 reserves the right to take legal action.

The Project Partner agrees to the following statements regarding The Project:

1. BELOW2 is the only entity through which carbon credits or VCIs are generated (double counting ban). There is no other entity that credits, balances, or markets the carbon avoidance effect from The Project during the contract period with BELOW2, whether private or government programs, organizations, or companies.
2. The Project Partner agrees that the verification documents submitted and the subsequent financial transactions based on the marketed VCIs may be published according to the GDPR.
3. The Project Partner assures that the funds raised from the sale of the VCIs will substantially contribute to the operation, further development, or optimization of the project or new projects.
4. The signatory or signatories, as legal representatives of the Project Partner, are authorized to provide all data necessary for the verification and to sign the self-commitment declarations.

The Project Partner consents to process the submitted data.

