# **VOW** green metals

www.vowgreenmetals.com

# 2<sup>nd</sup> half 2022

February 17, 2023 - Vow Green Metals

Revolutionising metallurgical industries by replacing fossil carbon with biocarbon made from forest and wood waste





Vow Green Metals AS will accelerate the green shift by producing biocarbon for the metallurgical industry and CO2neutral gas for energy intensive industries.

*Picture showing pyrolysis processing equipment delivered to Follum in January 2023* 

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# 1 – HIGHLIGHTS

## Second half year 2022

- Encouraged by feedback from the market and ongoing feasibility studies, Vow Green Metals is now planning to start production of biocarbon at Follum as early as in the third quarter 2023.
- Vow Green Metals' project pipeline continues to grow. With new studies added in the fourth quarter, the pipeline now includes projects that represent a total potential biocarbon production of more than 600,000 tons per year.
- The Follum project is progressing, with production start scheduled for mid-2024. The framework approval and work permits have been confirmed. The process equipment was delivered in December 2022 and is currently being stored at site. Contracts for civil and other construction work are scheduled for award in Q1 2023.
- Studies are on-going for expansion of the Follum Plant to match the potential increased demand from the Billerud and Viken Skog joint venture, and several other customers.
- This further expansion at Follum would take production capacity to 20.000 tons per year and will include a large-scale pyrolysis reactor which is currently being assembled by C.H.Evensen, a subsidiary of Vow ASA.
- Vow Green Metals and Elkem entered a cooperation agreement for further development and supply of biocarbon suited for Elkem's advanced metals processes. As part of the agreement, the parties will collaborate to secure the development, qualification, and testing of the biocarbon product to Elkem.

## **Key figures**

	Unaudited	Unaudited	Unaudited	Audited
(Amounts in NOK)	2H 2022	2H 2021	2022	2021
EBITDA	(10,720,231)	(10,363,514)	(17,414,279)	(10,687,829)
Profit for the period	(10,527,621)	(10,404,131)	(17,370,527)	(10,728,446)
Total assets			130,971,947	144,298,032
Total equity			125,889,623	141,163,570
Equity %			96.1%	97.8%

# 2 – FINANCIAL REVIEW

## **Key Figures**

Characteried     Onlaudited     Onlaudited     Onlaudited     Addited       (Amounts in NOK)     2H 2022     2H 2021     2022     2021       Statement of income     EBITDA     (10,720,231)     (10,363,514)     (17,414,279)     (10,687,829)       Profit for the period     (10,527,621)     (10,404,131)     (17,370,527)     (10,728,446)       Balance sheet      43,531,364     69,441,115        Total non-current assets     43,531,364     69,441,115        Total assets     130,971,947     144,298,032       Total equity     125,889,623     141,163,570       Total on-current liabilities     178,486     92,980       Total current liabilities     4,903,838     3,041,483       Total equity and liabilities     130,971,947     144,298,032       Cashflow      26,918,639     (73,750,657)     (10,728,446)       Net cash flow from operating activities     (26,918,639)     (73,750,657)     (50,740,134)     (74,718,916)       Net cash flow from investing activities     (118,867)     537,577     38,238,610     150,507,577<		linguidited	Unauditad	llagudited	Audited
Statement of income     EBITDA   (10,720,231)   (10,363,514)   (17,414,279)   (10,687,829)     Profit for the period   (10,527,621)   (10,404,131)   (17,370,527)   (10,728,446)     Balance sheet   (10,10,10,10,10,10,10,10,10,10,10,10,10,1		Unaudited	Unaudited	Unaudited	
EBITDA   (10,720,231)   (10,363,514)   (17,414,279)   (10,687,829)     Profit for the period   (10,527,621)   (10,404,131)   (17,370,527)   (10,728,446)     Balance sheet   10,527,621)   (10,404,131)   (17,370,527)   (10,728,446)     Total non-current assets   87,440,582   74,856,917   74,856,917     Total current assets   43,531,364   69,441,115     Total assets   130,971,947   144,298,032     Total equity   125,889,623   141,163,570     Total non-current liabilities   178,486   92,980     Total current liabilities   4,903,838   3,041,483     Total equity and liabilities   130,971,947   144,298,032     Cashflow   130,971,947   144,298,032     Cashflow   130,971,947   144,298,032     Cashflow rescurrent liabilities   10,527,621)   (10,404,131)   (17,370,527)   (10,728,446)     Net cash flow from operating activities   4,065,037   1,755,260   4,277,366   3,042,562     Net cash flow from investing activities   (26,918,639)   (73,750,057)   (50,740,134)   (74,718,916)     Net cash flow from fin	• •	2H 2022	2H 2021	2022	2021
Profit for the period   (10,527,621)   (10,404,131)   (17,370,527)   (10,728,446)     Balance sheet   Total non-current assets   87,440,582   74,856,917     Total current assets   43,531,364   69,441,115     Total assets   130,971,947   144,298,032     Total equity   125,889,623   141,163,570     Total non-current liabilities   178,486   92,980     Total current liabilities   4,903,838   3,041,483     Total equity and liabilities   4,903,838   3,041,483     Total equity and liabilities   130,971,947   144,298,032     Cashflow   K   4,903,838   3,041,483     Total equity and liabilities   130,971,947   144,298,032     Cashflow   K   K   K     Result before income tax   (10,527,621)   (10,404,131)   (17,370,527)   (10,728,446)     Net cash flow from operating activities   4,065,037   1,755,260   4,277,366   3,042,562     Net cash flow from investing activities   (26,918,639)   (73,750,057)   (50,740,134)   (74,718,916)     Net cash flow from financing activities   (118,867)   537,577	Statement of income				
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Total non-current assets   87,440,582   74,856,917     Total current assets   43,531,364   69,441,115     Total assets   130,971,947   144,298,032     Total equity   125,889,623   141,163,570     Total non-current liabilities   178,486   92,980     Total current liabilities   4,903,838   3,041,483     Total equity and liabilities   4,903,838   3,041,483     Total equity and liabilities   130,971,947   144,298,032     Cashflow   130,971,947   144,298,032     Cashflow   130,971,947   144,298,032     Cashflow   130,971,947   144,298,032     Cashflow from operating activities   4,065,037   1,755,260   4,277,366   3,042,562     Net cash flow from operating activities   (26,918,639)   (73,750,057)   (50,740,134)   (74,718,916)     Net cash flow from financing activities   (118,867)   537,577   38,238,610   150,507,577     Net change in cash and cash equivalents   (33,500,090)   (81,861,352)   (25,594,685)   68,102,777     Cash and cash equivalents at start of perioc   76,038,182   149,994,129   68,132,777   30					
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• • • • • • • • • • • •	Net change in cash and cash equivalents	(33,500,090)	(81,861,352)	(25,594,685)	68,102,777
Cash and cash equivalents at end of period     42,538,092     68,132,777     42,538,092     68,132,777	Cash and cash equivalents at start of perioc	76,038,182	149,994,129	68,132,777	30,000
	Cash and cash equivalents at end of period	42,538,092	68,132,777	42,538,092	68,132,777

- Vow Green Metals is a newly established company currently undergoing a rapid expansion phase. It is to be expected that the company will incur financial losses for some period of time, until the biocarbon production plant at Follum is up and running at full scale.
- Vow Green Metals recorded an Operating loss (EBITDA) for 2nd half 2022 of NOK 10,720,231. The Operating loss is related to employee- and other operating expenses related to the organisation and ongoing projects.
- Expenses for salary, social security tax, and pension amounted to NOK 10.1 million, of which NOK 3.5 million of employee expenses was capitalized under assets under construction.
- Other operating expenses for the period amounted to NOK 4.1 million and comprises of legal, consultant-, and audit fees, as well as other administrative expenses and shared services with Vow ASA.
- Net loss after Net financial items was NOK 10,527,621.
- Total non-current assets were NOK 87,440,582 and consist of the ordering of Process equipment for the Follum plant, offset by drawdown under the Enova grant.
- NOK 38,472,510 of the Enova grant, included under net cash flow from financing activities, was drawn of total grant NOK 80,737,000.
- Total assets were NOK 130,971,947 with a cash position of NOK 42,538,092. Undrawn part of Enova grant, totalling NOK 42,264,490, is not included.
- Total equity of NOK 125,889,623, equity ratio of 96.1%.

# **3 – OPERATIONAL REVIEW**

## Follum 10,000 tons

Vow Green Metals together with other parties at Treklyngen, an industrial park at Follum, Norway, has identified a location which is well suited for Vow Green Metals' biocarbon factory. This first full-scale factory, the largest to date in Europe, will initially produce 10,000 tons per year of biocarbon; a material used in production of metals.



Above: Process equipment arriving at the industrial park at Follum.

Framework permission for the plant was applied for and approved during 4th quarter 2022. The project is moving forward to execution phase during 1st half 2023, and the first shipment of pyrolysis reactors were delivered at Follum in January 2023.

## Follum 20,000 tons

During 4th quarter 2022, Vow Green Metals completed the feasibility study for doubling the production capacity of the biocarbon plant at Follum. The pyrolysis reactor from C.H. Evensen, a subsidiary of Vow ASA, is central in the Follum, phase 2 concept.

Our research shows that the realization of such plans has strong potential. Integrating a second phase may impact the overall Follum project and will result in a more efficient plant. A doubling of capacity at Follum will contribute to Vow Green Metals being able to deliver a larger volume of biocarbon to the metallurgical industry faster than initially assumed. The project is moving forward with pre-studies during 1st quarter 2023.



Above: Process equipment is stored at the Follum site

## Biocarbon development

A test batch of metallurgical biocarbon has been tested in laboratory, with very promising results with regards to requirements by several Silicon / Ferro Silicon manufacturers. It is expected that tuning of the early production unit will further improve the product.



#### **Business development**

Vow Green Metals has a total of 18 potential projects in its pipeline, in addition to the current plant construction and potential expansion at Follum. Our process produces a significant amount of excess energy, and the majority of these potential projects are with large energy consumers which can be energy off-takers.

In total, these 18 projects offer potential biocarbon production of more than 600,000 tons per year.

## Outlook

Companies in the metallurgical industry are committing to comprehensive decarbonising programs in response to new regulations and expectations from investors and customers and accelerated by recent geopolitical events Vow Green Metals has a firm ambition to contribute by replacing fossil coal with biocarbon and supplying energy intensive industries with CO2 neutral gas. The board maintains a positive outlook on the demand for the company's solutions.

Promising feasibility studies within several industrial verticals are underway and in our pipeline. The use of pyrolysis for production of materials from biomass contributes to increased value creation in the wood based economy. The main goal of these feasibility studies, for both Vow Green Metals and our partners, is to ensure higher value creation from wood residues. However, the process will also produce bioenergy and secure us and our partners with renewable energy.

Encouraged by feedback from the market and ongoing feasibility studies, Vow Green

Metals is now planning to start production of biocarbon at Follum as early as third quarter 2023 from a production facility with 2,500 tons production capacity. This will shorten the customers' needed time frame for incorporating an increased share of biocarbon.

All biocarbon production plants will have an excess of energy in addition to pyrolysis gas. A study is ongoing to clarify the opportunity space for electricity production for Vow Green Metals' production plants. Having their own electricity production will make Vow Green Metals' production plants less exposed to fluctuating energy prices.

## Risk and uncertainties

Vow Green Metals is subject to several risks, both operational and financial. For a further description of the risk factors, please see an overview in the annual report for 2021.

During the second half of 2022 the company has received general permission and approval from the labour inspection for the new location at the Follum site and the replanning of the plant concept. However, financing for the new concept, including expansion, involves financial risk which may lead to delays in our plan for Follum.

Vow Green Metals sees the European energy crisis as an opportunity for the company's international expansion plans. At the same time, Russia's invasion of Ukraine has resulted in higher inflation and interest rates, which are likely to drive up parts of the company's capital expenditures and cost of capital.

# 4 – ENVIRONMENTAL, SOCIAL AND GOVERNANCE

While developing a profitable biocarbon process, Vow Green Metals promotes responsible business practices with respect to the environment, people, and society. This means that the company will work systematically on such issues as EHS (environment, health, and safety), nondiscrimination, human and labour rights, anti-corruption, responsible sourcing, and responsible marketing practices. Vow Green Metals shall respect fundamental human rights as described in international human rights conventions such as the UN Convention on Human Rights and the labour rights conventions of the International Labour Organization (ILO). To promote responsible business practices throughout the value chain, Vow Green Metals is facilitating good dialogue with its stakeholders.

Vow Green Metals enables industry to undergo a significant green restructuring to achieve CO2 neutrality by 2050. By replacing fossil carbon with biocarbon and CO<sub>2</sub> neutral gas made from forest and wood waste, Vow Green Metals is accelerating the green shift and combatting climate change.

The United Nations' Sustainable Development Goals (SDGs) are a global call of action to end poverty, protect the planet and ensure that all people enjoy peace and prosperity. Vow Green Metals works to meet several of these goals and puts special emphasis on the following goals:



#### SDG 7 Affordable and clean energy

We are enabling industry to replace fossil fuels with CO<sub>2</sub> neutral gas and provide clean energy for the industry. We will provide energy supply to local consumers, enabling the consumers to be energy self- sufficient.



#### SDG 9 Industry, innovation, and infrastructure

As a pioneer and an industrial processing company, we offer industrial production of biocarbon which plays a crucial role in the ongoing decarbonizing of metallurgical industry and the green transition.



#### SDG 12 Responsible consumption and production

With our environmentally friendly production of biocarbon and CO<sub>2</sub> neutral gas, we add value to the biomass life cycle, and thus we are enhancing circular economy.



#### **SDG 13 Climate action**

We decarbonize industry through production of biocarbon that can be used as a CO<sub>2</sub> neutral reduction agent in metallurgical industry. In addition, our CO<sub>2</sub> neutral gas can be used as energy and replace fossil fuels.

# Environment, Health, and Safety and (EHS)

The Company works actively with EHS, ensuring good internal controls with a systematic, well-documented and targeted approach to EHS. The purpose of good internal controls is to prevent undesirable incidents and ensure a good working environment, low absence due to illness rate, good profitability, and minimal emissions/discharges.

Vow Green Metals' operations at its new plant at Follum and further biocarbon business are committed to follow strict health and safety standards. The Company have strict requirements for EHS in selecting various suppliers. In second half of 2022, absence due to illness, was 0.64 per cent.

## **Diversity and equal opportunities**

Vow Green Metals is working to prevent discrimination and to ensure equal opportunities for its employees regardless of gender, age, ethnicity, religion, belief, disability, pregnancy, maternity leave, care responsibility, sexual orientation, gender identity, gender expression, or combinations of these grounds.

Gender and age composition

As of 31 December 2022, the company had eight<sup>1</sup> employees, of which three are female.

Employees	Female	Male	Total
< 30	-	1	1
30-50	2	2	4
>50	1	2 <sup>1</sup>	3
Total	3	5	8
A			

<sup>1</sup>Include a > 50 in a 20 per cent position.

The Board of Vow Green Metals consist of five people, which three are female.

Board of Directors	Female	Male	Total
30-50	2	-	2
> 50	1	2	3
Total	3	2	5

# 5 – FINANCIALS 2<sup>ND</sup> HALF 2022

## **Profit and loss**

		Unaudited	Unaudited	Unaudited	Audited
(Amounts in NOK)	Note	2H 2022	2H 2021	2022	2021
Employee expenses	2	(6,662,054)	(3,468,030)	(10,136,348)	(3,786,473)
Other operating expenses	3	(4,058,177)	(6,895,484)	(7,277,932)	(6,901,356)
EBITDA		(10,720,231)	(10,363,514)	(17,414,279)	(10,687,829)
Depreciation		(138,186)	(36,316)	(270,056)	(36,316)
EBIT		(10,858,418)	(10,399,830)	(17,684,336)	(10,724,145)
		• • • •			<u> </u>
Finance income		342,594	-	342,594	-
Finance expense		(11,798)	(4,301)	(28,785)	(4,301)
Net financial items		330,797	(4,301)	313,809	(4,301)
Profit before tax		(10,527,621)	(10,404,131)	(17,370,527)	(10,728,446)
Income tax expenses		-	-	-	-
Profit for the period		(10,527,621)	(10,404,131)	(17,370,527)	(10,728,446)
STATEMENT OF OTHER COMPREHENSIVE INCOME					
(Amounts in NOK)					
Profit for the period		(10,527,621)	(10,404,131)	(17,370,527)	(10,728,446)
Other comprehensive income					-
Total other comprehensive income, net of tax		-	-	-	-
Total comprehensive income for the year		(10,527,621)	(10,404,131)	(17,370,527)	(10,728,446)

## **Balance sheet**

ASSETS Non-current assets Property, plant and equipment 8 Intangible assets 9	53,994 1,711,502 3,461,733	12/31/2021
Non-current assetsProperty, plant and equipment8Intangible assets9	1,711,502	-
Non-current assetsProperty, plant and equipment8Intangible assets9	1,711,502	-
Intangible assets 9	1,711,502	-
Intangible assets 9	1,711,502	
-		968,859
Other intangible assets 9	3,401,733	-
Investment in subsidiaries 12	30,000	-
Assets under construction 10	81,716,621	73,750,057
Right-of-use assets 11	466,732	138,001
Total non-current assets 8	7,440,582	74,856,917
Current assets		
Other receivables	993,273	1,308,338
	42,538,092	
	43,531,364	
	+5,551,504	05,441,115
Total assets 13	30,971,947	144,298,032
EQUITY AND LIABILITIES		
Equity		
Share capital 5	1,073,976	1,071,809
		149,487,322
Other reserves	3,042,799	1,332,885
		(10,728,446)
		141,163,570
Liabilities		
Non-current liabilities		
Non-current lease liabilities 11	178,486	92,980
Total non-current liabilities	178,486	92,980
Current liabilities		
Trade creditors	1,721,103	1,412,413
Payables to associates 6	968,859	968,859
Public duties payable 7	977,891	458,828
Current lease liabilities 11	279,575	59,783
Other current liabilities 7	956,410	141,600
Total current liabilities	4,903,838	3,041,483
Total liabilities	5,082,324	3,134,463
Total equity and liabilities 13	30,971,947	144,298,032

## **Cashflow statement**

		Unaudited	Unaudited	Unaudited	Audited
(Amounts in NOK)	Note	2H 2022	2H 2021	12/31/2022	2021
Cash flow from operating activities					
Result before income tax		(10,527,621)	(10,404,131)	(17,370,527)	(10,724,145)
Adjustments:					
Depreciation		138,186	36,316	270,056	36,316
Interest		339,767	(4,301)	339,767	(4,301)
Valuation outstanding options		1,709,914	1,332,885	1,709,914	1,332,885
Changes in other receivables		(192,310)	(1,308,338)	315,066	(1,308,338)
Change in current liabilities		2,069,480	1,694,398	1,642,563	2,981,700
Net cash flow from operating activities		(6,462,584)	(8,653,173)	(13,093,161)	(7,685,884)
Cash flow from investing activities					
Investments in tangible assets	8	9,479	-	(66,684)	-
Investments in intangible assets	9	(2,990,486)	-	(4,204,376)	(968 <i>,</i> 859)
Investments in assets under construction	10	(23,907,632)	(73,750,057)	(46,439,074)	(73,750,057)
Investment in subsidiaries	12	(30,000)	-	(30,000)	-
Net cash flow from investing activities		-26,918,639	-73,750,057	-50,740,134	-74,718,916
Cash flow from financing activities					
Current loan to associates		(339,767)	-	(339,767)	-
Share capital reduction		(333),7677	-	(333,707)	(30,000)
Share capital increase			_	-	150,000,000
Proceeds from issuing stock		386,666	559,131	386,666	559,131
Leasing obligations		(165,767)	(21,555)	(280,800)	
Proceeds from Enova Grant	10	-	-	38,472,510	-
Net cash flow from financing activities		-118,867	537,577	38.238.610	150,507,577
Net change in cash and cash equivalents		(33,500,090)	(81,865,653)	(25,594,685)	
Cash and cash equivalents at start of period		76,038,182	149,994,129	68,132,777	30,000
Cash and cash equivalents at end of period		42,538,092	68,128,475	42,538,092	68,132,777
Non-restricted cash		42,024,221	67,689,321	42,024,221	67,689,321
Restricted cash		513,871	443,456	513,871	443,456
Cash and cash equivalents at end of period		42,538,092	68,132,777	42,538,092	68,132,777

Lysaker, Norway, 16 February 2023 The Board of Directors and CEO Vow Green Metals AS

Narve Reiten Chairman **Elise Must** Board member **Line Tønnessen** Board member

**Carl Rembert Hartmann** Board member Kari Stine Tærum Board member **Cecilie Jonassen** CEO

## Statement of changes in equity

#### Audited 31.12.2021

	Share	Share	Other	Retained	Total
(Amounts in NOK)	capital	premium	reserves	earnings	equity
Equity at 14.01.21	30,000	-	-	-	30,000
Profit for the period	-	-	-	(10,728,446)	(10,728,446)
Share capital reduction	(30,000)	-	-	-	(30,000)
Share capital increase	1,068,776	148,931,224	-	-	150,000,000
Stock options exercised*	3,033	556 <i>,</i> 098	-	-	559,131
Stock options	-	-	1,332,885	-	1,332,885
Equity at 31.12.2021	1,071,809	149,487,322	1,332,885	-10,728,446	141,163,570

\* Stock options were exercised in October 2021 in connection with employee stock option program.

## Unaudited 31.12.2022

	Share	Share	Other	Retained	Total
(Amounts in NOK)	capital	premium	reserves	earnings	equity
Equity at 31.12.2021	1,071,809	149,487,322	1,332,885	(10,728,446)	141,163,570
Profit for the period	-	-	-	(17,370,527)	(17,370,527)
Share capital increase	-	-	-	-	0
Stock options exerscised*	2,167	384,500	-	-	386,666
Stock options			1,709,914	-	1,709,914
Equity at 31.12.2022	1,073,976	149,871,822	3,042,799	-28,098,973	125,889,623

\* Stock options were exercised in September 2022 in connection with employee stock option program.

## NOTES

## 1 – Summary of significant Accounting Principles

The company was incorporated on 14.01.2021 and registered as a legal entity on 15.02.2021, demerged from Vow ASA on 09.07.2021 and subsequently listed on Euronext Growth on 12.07.2021.

The interim financial statements have been prepared in accordance with the Norwegian accounting law and regulations for simplified international financial reporting standards (IFRS). This generally implies that recognition and measurement are aligned with international accounting principles (IFRS), while presentation and disclosures are in accordance with the Norwegian accounting act and good accounting practice.

Vow Green Metals was demerged from the parent company Vow ASA on 09.07.2021 in a subsequent listing on Euronext Growth on 12.07.2021. The board of Vow Green Metals appointment Cecilie Jonassen and Lars Mårdalen, as chief executive officer (CEO) and Chief Financial Officer (CFO) respectively of the new company. The appointments were important steps for the demerger and separate listing of the company.

Vow Green Metals Follum AS, a wholly owned subsidiary of Vow Green Metals AS, was established in May 2022. Consolidated accounts as of 31 December 2022 are not prepared as Vow Green Metals Follum AS is considered as an immaterial subsidiary.

## **Government grants**

Government grants are recognised when it is reasonably certain that the company will meet the conditions stipulated for the grants and that the grants will be received. Operating grants are recognised systematically during the grant period. Grants are deducted from the cost which the grant is meant to cover. Investment grants are capitalised and recognised systematically over the asset's useful life. Investment grants are recognised either as deferred income or as a deduction of the asset's carrying amount.

## 2 – Employee expense

	Unaudited	Unaudited	Unaudited	Audited
(Amounts in NOK)	2H 2022	2H 2021	2022	2021
Salaries	5,757,536	1,779,646	10,160,028	2,069,646
Social security tax	1,021,804	352,456	1,656,180	373,772
Pension cost	309,644	-	616,045	6,761
Other benefits	3,023,370	1,335,928	3,033,420	1,336,294
Total employee expenses	10,112,354	3,468,030	15,465,673	3,786,473
Employee expenses capitalised to investment projects	(3,450,300)	-	(5,329,325)	-
Total costs recognised as employee expenses	6,662,054	3,468,030	10,136,348	3,786,473

## 3 – Other operating expenses

	Unaudited	Unaudited	Unaudited	Audited
(Amounts in NOK)	2H 2022	2H 2021	2022	2021
Legal	(84,650)	1,026,192	103,125	1,026,192
Audit Fees	266,180	109,700	464,849	109,700
IPO Fees	-	-	-	2,995,112
Consultant fees	1,414,800	3,243,851	2,512,633	1,916,982
Other expenses	2,461,848	2,515,741	4,197,325	853,369
Total other operating expenses	4,058,177	6,895,484	7,277,932	6,901,356

## 4 – Cash and cash equivalents

	Unaudited	Audited
(Amounts in NOK)	2022	2021
Bank deposits	42,024,221	67,689,321
Restricted cash <sup>1)</sup>	513,871	443,456
Total cash and cash equivalents	42,538,092	68,132,777

1) Restricted cash comprise of withheld taxes from employees salaries.

## **5 – SHARE CAPITAL**

	Unaudited
	2022
Number of outstanding shares at 1 January 2022	164,893,759
Share capital reduction	-
Share capital increase	-
Share capital increase - demerger	-
Share capital increase - employee stock options	333,333
Number of outstanding shares at 31 December 2022	165,227,092
Nominal value NOK per share at 31 December 2022	0.0065
Share capital NOK at 31 December 2022	1,073,976
	Audited
	2021
Number of outstanding shares at 14 January 2021	300
Share capital reduction	-300
Share capital increase	50,167,224
Share capital increase - demerger	114,259,870
Share capital increase - employee stock options	466,665
Number of outstanding shares at 31 December 2021	164,893,759
Nominal value NOK per share at 31 December 2021	0.0065
Share capital NOK at 31 December 2021	1,071,809

## **6 – TRANSACTIONS WITH ASSOSIATES**

		Unaudited	Audited
(Amounts in NOK)		2022	2021
Liabilities			
Vow ASA	Intangible assets	968,859	968,859
Total payables to associates		968,859	968,859

Payables to Vow ASA of NOK 968 859 is related to the acquisition of the value of the development cost for the new planned biocarbon plant at Follum. Please see Note 9.

Other transactions with related parties is related to a service agreement entered into with Scanship AS, which is the subsidiary of its largest shareholder, Vow ASA. The service comprises advice and consultancy services in connection with the efficient and effective operation of VGM's business and related activities. The Services to be provided shall include but are not limited to the following: Management services comprised of bookkeeping, accounting, payroll, online banking, human resources, ESG/sustainability services, market research/information and financing. In addition, Scanship AS re-invoices Vow Green Metals AS quarterly for shared office space at Lysaker Torg 12.

## 7 – PUBLIC DUTIES PAYABLE AND OTHER CURRENT LIABILITIES

	Unaudited	Audited
(Amounts in NOK)	2022	2021
Public duties payable		
Employee witholding tax	513,871	190,096
Social security tax	464,020	268,732
Total public duties payable	977,891	458,828
Other current liabilities		
Accrued holiday pay	956,410	141,600
Other current liabilities	956,410	141,600

## **8 – PROPERTY, PLANT AND EQUIPMENT**

(Amounts in NOK)	Office, furniture and equipment
Cost:	
At 1 January 2022	-
Additions	66,684
At 31 December 2022	66,684
Depreciation and impairment:	
At 1 January 2022	-
Depreciation this year	(12,690)
At 31 December 2022	(12,690)
Carrying amount at 31 December 2022	53,994
Useful life	3 years
Depreciation method	Linear

## 9 – INTANGIBLE ASSETS

Audited
---------

Audited			
12/31/2021			
(Amounts in NOK)	Proof of Concept	Development cost Follum	Computer software
Cost:			
At 14 January 2021	-	-	-
Additions	-	968,859	-
At 31 December 2021	-	968,859	-
Depreciation and impairment:			
At 14 January 2021	-	-	-
Depreciation this year	-	-	-
At 31 December 2021	-	-	-
Useful life	10 years	10 years	3 years
Depreciation method	Linear	Linear	Linear
Carrying amount at 31 December 2021		968,859	-
Unaudited			
12/31/2022			
(Amounts in NOK)	Proof of Concept	Development cost Follum	Computer software
Cost:		· · · · ·	-
At 1 January 2022	-	968,859	-
Additions	742,643	-	3,461,733
At 31 December 2022	742,643	968,859	3,461,733
Depreciation and impairment:			
At 1 January 2022	-	-	-
-	-	-	-
Depreciation this year		- - -	-
At 1 January 2022 Depreciation this year At 31 December 2022 Useful life	- - - 10 years	- - - 10 years	- - - 3 years

968,859	3,461,733
	968,859

## **10 - ASSETS UNDER CONSTRUCTION**

The company formally signed the contract for the process equipment for the Follum project. According to which Vow ASA will deliver process equipment and engineering support to Vow Green Metals' biocarbon plant at Follum in Norway. Below overview relates to the first phase production of 10,000 tonnes of BioCarbon.

Unaudited	
12/31/2022	
(Amounts in NOK)	Assets under construction
Cost:	
At 1January 2022	73,750,057
Additions	46,439,074
Enova Grant	(38,472,510)
At 31 December 2022	81,716,621
Carrying amount at 31 December 2022	81,716,621

#### **Enova Grant**

Enova has given a government grant to support the company's project for industrial production of biocarbon for metallurgical industry at Follum. The grant is for 40 % of the total approved project cost, but limited to NOK 80.7 million. Grants will be paid in arrears based on agreed progress milestones in the project. 20% of the grant will be withheld until the final report has been submitted and approved by Enova. Grants of total NOK 38 472 510 has been received in June 2022.

#### Audited

12/31/2021	
(Amounts in NOK)	Assets under construction
Cost:	
At 14 January 2021	-
Additions	73,750,057
At 31 December 2021	73,750,057
Carrying amount at 31 December 2021	73,750,057

## **11 – ASSET LEASE**

### Unaudited

31.12.2022	
(Amounts in NOK )	Cars
At 31 December 2021	138,001
Additions	586,098
Depreciation	(257,366)
Carrying amount at 31 December 2022	466,732

Lease liabilities are discounted with an interest rate of 3.3 per cent.

Lease liabilities recognised	Unaudited
(Amounts in NOK)	12/31/2022
Current lease liabilities	279,575
Non-current lease liabilities	178,486
Total	458,061

#### Maturity analysis - contractual undiscounted cash flows

(Amounts in NOK)	
12/31/2023	279,575
12/31/2024	178,486

Leases with a lease term less than 12 months are accounted for as short-term leases.

## **12 – INVESTMENTS IN SUBSIDIARIES**

Vow Green Metals Follum AS was established in May 2022 and is a wholly owned subsidiary of Vow Green Metals AS. The company is established to build, own and operate the infrastructure related to Vow Green Metals AS' production plant at Follum, Norway.

(Amounts in NOK)

Company	Date of acquisition/ incorporation	Country of incorporation	% Equity and voting share	Book value	Equity at 31. Dec. 2022	Profit for the year 2022
Vow Green Metals Follum AS	5/31/2022	Lysaker, Norway	100%	30,000	24,430	(300)

Consolidated accounts as of 31 December 2022 are not prepared as Vow Green Metals Follum AS is considered as an immaterial subsidiary.

## **13 – RECENT EVENTS**

Most recently, Vow Green Metals AS and Elkem ASA have decided to advance their relationship beyond an initial letter of intent. The two parties have entered into an agreement to collaborate on the further development and supply of biocarbon suited for Elkem's advanced metals processes.

The objective of the cooperation agreement is to develop a competitive reduction material for the metallurgical industry. The production, which will take place at Vow Green Metals' factory at Follum, will be based on forest waste and other sustainable feedstock sourced in Norway. As part of the agreement, the parties will collaborate to secure the development, qualification and testing of the biocarbon product to Elkem.

Vow Green Metals' customers want access to biocarbon before our main plant is ready for production. Availability of pilot scale product quantities will shorten the customers' needed time frame for incorporating an increased share of biocarbon, and VGM is therefore in the process of acquiring a pilot plant for production of biocarbon for customer testing in 2023.

VGM's process produces a significant amount of excess energy, and the majority of the potential projects are with large energy consumers which can be energy off-takers. In total, the potential projects offer a biocarbon production of more than 600,000 tonnes per year.

## STATEMENT BY THE BOARD OF DIRECTORS AND CEO

We confirm, to the best of our knowledge, that the consolidated financial statement for the period 1 July to 31 December 2022 for Vow Green Metals AS have been prepared in accordance with current accounting standards and that the information in the accounts gives a true and fair view of the company's assets, liabilities, financial position, and results of operation. We also confirm, to the best of our knowledge, that the half year report includes a true and fair overview of the company's development, results and position, together with a description of the most important risks and uncertainty factors the company.

Lysaker, Norway, 16 February 2023 The Board of Directors and CEO Vow Green Metals AS

Narve Reiten Chairman **Elise Must** Board member **Line Tønnessen** Board member

**Carl Rembert Hartmann** Board member Kari Stine Tærum Board member **Cecilie Jonassen** CEO

Revolutionising metallurgical industries by replacing fossil carbon with biocarbon made from forest and wood waste.



www.vowgreenmetals.com