

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM 6-K

REPORT OF FOREIGN PRIVATE ISSUER PURSUANT TO RULE 13a-16 OR 15d-16
UNDER THE SECURITIES EXCHANGE ACT OF 1934

For the month of August 2023

Commission File Number: 001-39789

Fusion Fuel Green PLC
(Translation of registrant's name into English)

10 Earlsfort Terrace
Dublin 2, D02 T380, Ireland
(Address of principal executive office)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F.

Form 20-F ☒ Form 40-F ☐

On August 30, 2023, Fusion Fuel Green PLC (“Company”) hosted a live conference call and webcast to discuss the Company’s financial results for the quarter ended June 30, 2023, along with second quarter operational highlights and technology updates. A replay of the webcast, the investor presentation used during the webcast, and a quarterly shareholder update letter from the Company’s executive committee, are each available on the Company’s website, fusion-fuel.eu. The shareholder update letter and investor presentation are also attached as Exhibits 99.1 and 99.2 to this Report on Form 6-K, respectively, and are incorporated by reference herein.

The information furnished in this Report on Form 6-K, including the exhibits related thereto, shall not be deemed “filed” for purposes of Section 18 of the Securities Exchange Act of 1934 (the “Exchange Act”) or otherwise subject to the liability of such section, nor shall such information be deemed incorporated by reference in any filing under the Securities Act of 1933, as amended, or the Exchange Act, except as shall be expressly set forth by specific reference in such filing.

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EXHIBIT INDEX

Exhibit Number	Description
99.1	Quarterly Update to Shareholders
99.2	Investor Presentation

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

Fusion Fuel Green PLC
(Registrant)

Date: August 30, 2023

/s/ Frederico Figueira de Chaves
Frederico Figueira de Chaves
Chief Executive Officer

FUSION FUEL™

2Q 2023
UPDATE



Disclaimer

This presentation includes statements of future events, conditions, expectations, and projections of Fusion Fuel Green plc (the “Company”). Such statements are “forward looking statements” within the meaning of the “safe harbor” provisions of the United States Private Securities Litigation Reform Act of 1995. The Company’s actual results may differ from its expectations, estimates and projections and, consequently, you should not rely on these forward-looking statements as predictions of future events. Words such as “expect,” “estimate,” “project,” “budget,” “forecast,” “anticipate,” “intend,” “plan,” “may,” “will,” “could,” “should,” “believe,” “predict,” “potential,” and similar expressions are intended to identify such forward-looking statements. These forward-looking statements include, without limitation, estimates and projections of future performance, which are based on numerous assumptions about sales, margins, competitive factors, industry performance and other factors which cannot be predicted. Such assumptions involve a number of known and unknown risks, uncertainties, and other factors, many of which are outside of the Company’s control, including, among other things: the failure to obtain required regulatory approvals; changes in Portuguese, Spanish, Moroccan, or European green energy plans; the ability to obtain additional capital; field conditions and the ability to increase production capacity; supply chain competition; changes adversely affecting the businesses in which the Company is engaged; management of growth; general economic conditions, including changes in the credit, debit, securities, financial or capital markets; and the impact of any adverse public health developments on the Company’s business and operations. Should one or more of these material risks occur or should the underlying assumptions change or prove incorrect, the actual results of operations are likely to vary from the projections and the variations may be material and adverse.

The forward-looking statements and projections herein should not be regarded as a representation or prediction that the Company will achieve or is likely to achieve any particular results. This Presentation does not constitute an offer to sell, a solicitation of an offer to buy, or a recommendation to purchase any equity, debt, or other financial instruments of Fusion Fuel.

The Company cautions readers not to place undue reliance upon any forward-looking statements and projections, which speak only as of the date made. The Company does not undertake or accept any obligation or undertaking to release publicly any updates or revisions to any forward-looking statements to reflect any change in its expectations or any change in events, conditions or circumstances on which any such statement is based.

Financial Update Presentation

The Company’s consolidated financial data discussed herein is prepared in accordance with International Financial Reporting Standards as adopted by the International Accounting Standards Board (“IFRS”) and is denominated in Euros (“EUR” or “€”). The numbers discussed in this management letter have not been audited and therefore may vary to the final financial results disclosed by the company as part of its annual report on Form 20-F described below. The unaudited consolidated financial data reflects, in the opinion of management, all adjustments, consisting of normal recurring adjustments, considered necessary for a fair statement of the Company’s financial data for the periods indicated. The unaudited consolidated financial data should be regarded in conjunction with the audited consolidated financial statements and notes thereto for the year ended December 31, 2022, included in the Company’s Annual Report on Form 20-F for the year ended December 31, 2022.

Use of Social Media as a Source of Material News

The Company uses, and will continue to use, its LinkedIn profile, website, press releases, and various social media channels, as additional means of disclosing information to investors, the media, and others interested in the Company. It is possible that certain information that the Company posts on social media or its website, or disseminates in press releases, could be deemed to be material information, and the Company encourages investors, the media and others interested in the Company to review the business and financial information that the Company posts on its social media channels, website, and disseminates in press releases, as such information could be deemed to be material information.

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MANAGEMENT
LETTER



Dear Shareholders,

As we reflect on the past quarter and look ahead to the future, we find ourselves at a crossroads. Since our inception, we have charted a course anchored in the principles of innovation, disciplined capital management, and an unrelenting focus on operational and commercial excellence. However, for an early-stage company in a high-velocity growth sector such as the one we play in, resilience and adaptability are key assets – rarely do events unfold exactly as planned. In this context, it is imperative that we realign our goals and scrutinize our methodologies to ensure organizational agility and alignment. As such, we feel the theme that best underscores this letter is one of recalibration.

When we first brought the HEVO-Solar to market in early 2021, we believed it was uniquely positioned to make an immediate impact for off-grid, co-located green hydrogen applications. Ultimately, while it has outperformed the specs we originally marketed and has been successfully deployed across several projects, due to the way in which the permitting environment unfolded within our core markets, the HEVO-Solar proved to be the wrong fit. Nevertheless, it served as a critical stepping-stone, laying a foundation that has enabled us to accelerate the time to market for our next-gen PEM solution, the HEVO-Chain.

The introduction and ongoing commercialization of our HEVO-Chain solution has provided us with the blueprint for success in this dynamic business environment. We have paired it with a highly focused commercial strategy that capitalizes on the distinct advantages of our proprietary technology and distributed approach to production. However, it is critical that our people and processes are in lockstep to ensure that our entire organization is fit for purpose and aligned towards a common goal. This is a process that began in earnest during the second quarter, particularly from a commercial perspective, but ultimately will be one of continuous improvement and transformation. Our evolution in strategy, which we will elaborate on further, will enable us to better synchronize our teams with the strategic imperatives that drive value creation for our shareholders.

As we embark on this next phase, a laser-sharp focus on our operational and commercial strategies becomes critical. We must channel our efforts into pinpointing what truly differentiates us in the market, capitalizing on what sets us apart to generate lasting and impactful value. By focusing on our distinctive strengths and pursuing avenues of growth align with those core competencies, we are confident in our ability to carve out a meaningful share of the market. In doing so, we hope to move the needle on decarbonization while delivering substantial value for our shareholders.

Financial Update

Revised guidance

During the second quarter of 2023, we invoiced €1 million to two customers with respect to ongoing technology projects. While this amount is lower than expected, we consider our technology sale revenues for fiscal 2023 will be broadly in line with the guidance previously issued. We expect our invoicing to customers to be ahead of plan, but our revenues will lag behind as given the nature of our technology sales, revenue recognition will be “back-ended” as opposed to “over-time.”

The year to date has brought with it many key learnings. One being the timescale to obtain various licenses / permits to develop hydrogen production plants. We have touched on this before as we commented on the infancy of this relatively new industry but during this year, we have witnessed first-hand how such delays can have a material impact on our business. We expect our development project revenue for fiscal 2023 to be €nil. This is a €20 million reduction from where we expected it to be. When we provided our initial guidance for 2023, we were pursuing the sale of two development projects which represented combined electrolyzer capacity of 10 MWs. Both projects had significant grants awarded with the proviso being that project completion was achieved during fiscal 2023. Given the licensing delays experienced to date, it will not be possible for these projects to be completed within the allocated timeframe.

Despite the challenges faced during 2023, we are increasingly confident in the sales pipeline that we have, particularly the larger and more advanced development projects given the potential revenue that will be derived if we are able to convert these into technology sales. The transition from HEVO-Solar to HEVO-Chain has proven to be a key enabler. As an integrated solar-to-hydrogen solution, the HEVO-Solar requires a significant physical footprint. Recent changes in regulatory requirements in the Portuguese and Spanish have made it increasingly difficult to obtain the required approvals for projects using our HEVO-Solar product. Therefore, wherever possible we have moved our own projects to the HEVO-Chain solution to avoid the issues caused by the changes to the licensing process.

From a revenue guidance perspective, we consider this to be a delay rather than a net reduction. For the two projects that will not take place as planned during 2023, we had identified investors for both. Instead, we have shifted negotiations with these investors to other projects in our portfolio that are in similarly advanced stages of development. The key point to note is that we are not starting from the bottom rung of the ladder. We will be able to apply the valuable insights and expertise gained from the sales process of the two specific projects in 2023 to enhance the structure, timing, and overall effectiveness of future negotiations.

Capital update

We must also address the proverbial elephant in the room: our capital position. Strengthening our balance sheet and capital position was listed as a strategic priority for 2023. To date, we have relied on the capital raised when the Group first listed on Nasdaq, grant inflows, sale and leaseback of our production facility, short-term debt facilities backed by our VAT receivables in Portugal, sale of our ordinary shares through our ATM facility and finally, from modest technology sales. As previously discussed, we continue to evaluate a range of solutions, both equity financing as well as corporate debt facilities, to ensure we have sufficient runway to deliver on our business plan.

An imperative for management is to ensure we select the financing option or options that best protect shareholder value, while still positioning us to meet the needs of the Company. Though we look with envy at the strong cash position of some of our peers, our intention is not to fully fund the business plan on day one – given our depressed share price, any significant financing ends up being a dilutive recapitalization of the Company, so we must move with caution.

Fortunately, our lean cost structure gives us flexibility to take a more calculated approach. As a result, our go-forward strategy is to secure sufficient capital that will enable us to execute on near-term value milestones, before returning to the market at a position of greater strength to further solidify our balance sheet. To that end, we continue to advance discussions with both existing investors as well as capital providers that are new to Fusion Fuel on near-term solutions that would strengthen our liquidity position.

We remain deeply troubled by our present share price, which we continue to view as significantly undervalued. This may stem from concerns about a potential substantial capital raise and its associated dilution, along with our reduced cash reserves. Nevertheless, we firmly believe that the current share value does not accurately reflect the potential opportunity set, the intrinsic value of our intellectual property, the anticipated revenues for the projects currently under development, or the value of our own attractive green hydrogen project portfolio. We hope that as the business continues to mature, and as we successfully deliver projects and secure contracts, that the share price will more closely reflect the company's true potential.

During the second quarter of 2023, we received a further €0.5 million out of the €36 million previously approved by the Portuguese Government as part of Component 5 of their Recovery and Resilience Plan ("C-5"). To date, we have received €6.5 million under this grant agreement. An additional €0.4 million was received under this arrangement in July 2023. In July 2023, we also received the first €2m tranche as part of our C-14 grant award. As previously noted, we were awarded €10m as part of the C-14 component.

During the second quarter of 2023, we repaid the initial draw down (€2 million) from our debt facility with a Portuguese based financial institution that was specifically related to our outstanding VAT receivables. We also drew down an additional €1.3 million under this facility during Q2 2023, following a reimbursement request made to the Portuguese government for the same amount. This facility has allowed us to speed up our available cash resources. This €1.3 million has been fully repaid.

Finally, during the third quarter of 2023, we raised €0.4 million by selling 222,469 of our Class A ordinary shares through our At the Market Sales Agreement ("ATM"), which was announced in June 2022. We view the ATM as an effective way to raise small amounts of capital relatively frictionlessly, but we do not view it as a long-term solution. Our strategy in utilizing the ATM has been to employ it sparingly and judiciously, working closely with our placement agents to ensure that they are only active during periods of strong volume and interest and that we avoid placing excessive pressure on our stock. While we are disappointed by the recent weakness in our share price, we do not believe it is a direct result of our selling stock through the ATM.

Cash outflows during the second quarter of 2023 included investment of €2.3 million in procurement, production, and research & development of our HEVO technologies. This represents a reduction of €1.4 million versus the first quarter of 2023.

Our compensation expenses were lower than the first quarter of 2023 as our headcount reduced. We also witnessed a reduction in our share-based payments expense due to certain leavers forfeiting their right to awards previously granted. This will result in lower expenses going forward. During the second quarter of 2023, we recorded €7.2 million in impairment charges relating to our inventory balance. We have performed a thorough review of all components and the impairment charge is related to the components manufactured to legacy design and to those components that were earmarked for the two development projects that will not proceed as planned during 2023. The recovery value of these components is still to be determined, but at this time we have decided to impair the full value.

While the reduction in outflows can be attributed to a more restrictive capital position, we have also embarked on a rigorous review of our cost base. From cost of materials to general operating costs, we expect to see the benefits of this review in future periods.

At quarter-end, the value of net assets amounted to €17.8 million, which represents a decrease of €12.2 million on the value at the March 31, 2023, mainly driven by the recent inventory impairment. Our cash balance was €3.09 million on June 30, 2023.

Strategy and Commercial Update

While the second quarter of 2023 was relatively modest in terms of commercial announcements, it stands out as a pivotal moment in our journey, defined by foundational shifts that we believe will set the stage for future growth. During the quarter, our commercial team began an explicit and strategic transition, one which saw them redirecting their focus onto near-term technology sales and new market development.

This transformation was catalyzed by the introduction of our game-changing HEVO-Chain technology. This solution has one of the leading stack- and system-level efficiencies in the PEM electrolyzer market, along with one of the lowest platinum group metals loading factors, around 80% below the targeted values in the European Clean Hydrogen Roadmap. These technical advantages, combined with the HEVO-Chain's modular design characteristics and building-block approach, make it a formidable offering in the PEM electrolyzer segment. Early indications of market acceptance reaffirm our commitment to thinking outside the box and delivering innovative solutions that meet the ever-evolving needs of our industry.

In tandem with this shift in strategy, we recognized the need for greater standardization and rigor in our approach to our sales and business development process. We made a concerted effort during the quarter to revamp our practices and management systems, which is already starting to bear fruit. We are excited to report that the early returns on our recent progress have been extremely positive.

Since the second quarter, our commercial team has been hard at work executing our refined strategy. We have redoubled our efforts in Southern Europe, where we already have a strong commercial presence, and have made promising inroads into priority markets in Northern Europe, a geography now open to us by virtue of our HEVO-Chain solution.

To put this achievement into perspective, we have generated more technology sale offers over the last three months alone than we did over the prior two years combined. This speaks volumes about the dedication and adaptability of our commercial team, who have embraced the challenge of this strategic pivot. While this has not yet translated to a positive revenue impact, we are confident that this shift will position us to close the year with greater visibility into our 2024 order book.

In the interim, our existing project development portfolio remains a critical driver for technology sales going forward. Over the course of the year, we have continued to deliver on our development strategy, hitting significant value milestones that de-risk the portfolio and bring our projects closer to “shovel ready” status. Most of our projects in Portugal have secured land and grant funding, with several already having received municipal approval and environmental permits.

Our project development strategy remains unchanged – our intention is to sell these project SPVs to industrial or infrastructure players at or prior to FID, enabling us to convert them into technology sales. Cumulatively, our Portuguese projects represent more than €130 million in technology sale revenue, not including any developer fees or revenues from engineering / EPC work or O&M contracts. We continue to actively engage in discussions with a number of prospective counterparts, mostly large-scale infrastructure players, who are interested in our mid-to-large-scale project portfolio. For one of our smaller projects, we recently signed an agreement with Hydrogen Ventures to reach FID on a €20+ million project in Portugal by the end of this year.

One area where we have demonstrated notable success has been in securing project grant funding. To that end, we recently submitted seven projects to the C-14 and H2 Pioneers II grant programs in Portugal and Spain, respectively. We have submitted requests for approximately €65 million across the seven projects, which cumulatively represent approximately 70 MW of electrolyzer capacity. We anticipate receiving funding decisions from the program administrators before year-end.

In previous letters, we discussed at length the importance of strategic partnerships to our commercial and go-to-market strategies. We highlighted several notable collaborations, such as our partnerships with Toshiba Energy Systems and Toyota Material Handling España. Most recently, we have reached high-level terms for a partnership with Duferco Energia to establish a commercial presence in the Italian market, leveraging their extensive local sales network and deep expertise and capabilities. It will commence with the installation of the first-ever HEVO-Chain Series C, a 1 MW containerized system, which we plan to deliver in 2024.

Channel partnerships are a critical element of our go-to-market strategy. They are greater than the sum of their parts, helping to accelerate market development in new geographies and bring significant local expertise to bear. To that end, we are actively engaged in extensive partnership discussions with relevant counterparts and will share details on these as soon as possible, as we consider them to be key drivers of our future growth. Wherever possible, our approach is to build a partnership around the creation of a demonstrator plant, particularly in markets where we lack an operational presence, as we have done in Italy. This allows us to establish local track record and credibility and showcase the advantages of our systems across multiple markets. This is exemplified by our ongoing collaboration with BGR Energy, with which we are in discussions for a 1 MW demonstrator project in India.

Finally, we would like to address a significant development in one of our core markets. The months of July and August marked critical milestones for our pioneering project for Exolum in Madrid as we completed the acceptance tests for that facility. In addition, we are thrilled to share that our HEVO technology is performing even better than we anticipated. The teams responsible for bringing this project to life did a remarkable job in delivering Southern Europe’s first co-located solar-to-hydrogen refueling station, which will begin full refueling buses in September. Throughout the journey, we forged strong ties to key suppliers and partners involved in the project; however, most notably, it was the strength of our engineering expertise that was critical in turning this vision into a reality. The achievements in this project are a testament to our capabilities, and we continue to receive inbound requests from interested parties as a result.

2022 ESG Report

During the second quarter we also published our inaugural ESG Report for the calendar year 2022. In the report we laid out our sustainability roadmap and ESG strategy: Fueling a Sustainable Future. Underpinning our strategy was a comprehensive materiality assessment, intended to help inform and prioritize the sustainability issues most relevant to our business and our primary stakeholders. As part of our disclosure, we published an array of qualitative and quantitative indicators, including data pertaining to water and energy usage, green hydrogen production, DEI statistics, health & safety metrics, and governance frameworks. Going forward, our intention is to implement management systems that will allow us to more effectively collect and analyze our ESG data, particularly concerning benchmarking scope 1 and scope 2 GHG emissions.

Our commitment to sustainability is inextricably linked to our Company's mission to make the energy transition more accessible through the development of innovative clean hydrogen solutions. We believe our modular electrolyzer technology and disruptive building-block approach can help unlock the transformative potential of green hydrogen, fostering energy resilience and accelerating decarbonization, setting the stage for a cleaner, more sustainable energy landscape.

We invite you to view our 2022 ESG Report at: https://ir.fusion-fuel.eu/ESG_Report

Closing

The upcoming months promise a series of critical events for our company, including the closing of ongoing tech and project sales processes, as well as the finalization of live partnership discussions currently underway. With the continued commercialization of our market-leading HEVO-Chain offering, and the momentum we are building within our sales process, we believe we have established a strong foundation for the years ahead.

We recognize the vital importance of fortifying our capital position, but given our current undervaluation, it is important to note that we will continue to employ a measured and judicious approach in evaluating potential financing solutions. With the recognition of more significant revenues later this year, the anticipated resolution of our short-term liquidity concerns, and the potential for substantial orders for 2024 and 2025, we expect a substantial correction to our current valuation, bringing it more in line with the immense opportunity that we believe is not fully reflected in our share price at present.

As always, we want to extend our heartfelt gratitude to you and to the entire Fusion Fuel team for embarking on this green hydrogen journey with us. Your unwavering support is instrumental to our success.

Yours Sincerely,

Frederico Figueira de Chaves

Chief Executive Officer

David Lovell

Head of Commercial (Australia)

Jaime Silva

Chief Technology Officer & Head of Innovation

Mario Garma

Chief Engineering Officer

André Antunes

Chief Operating Officer

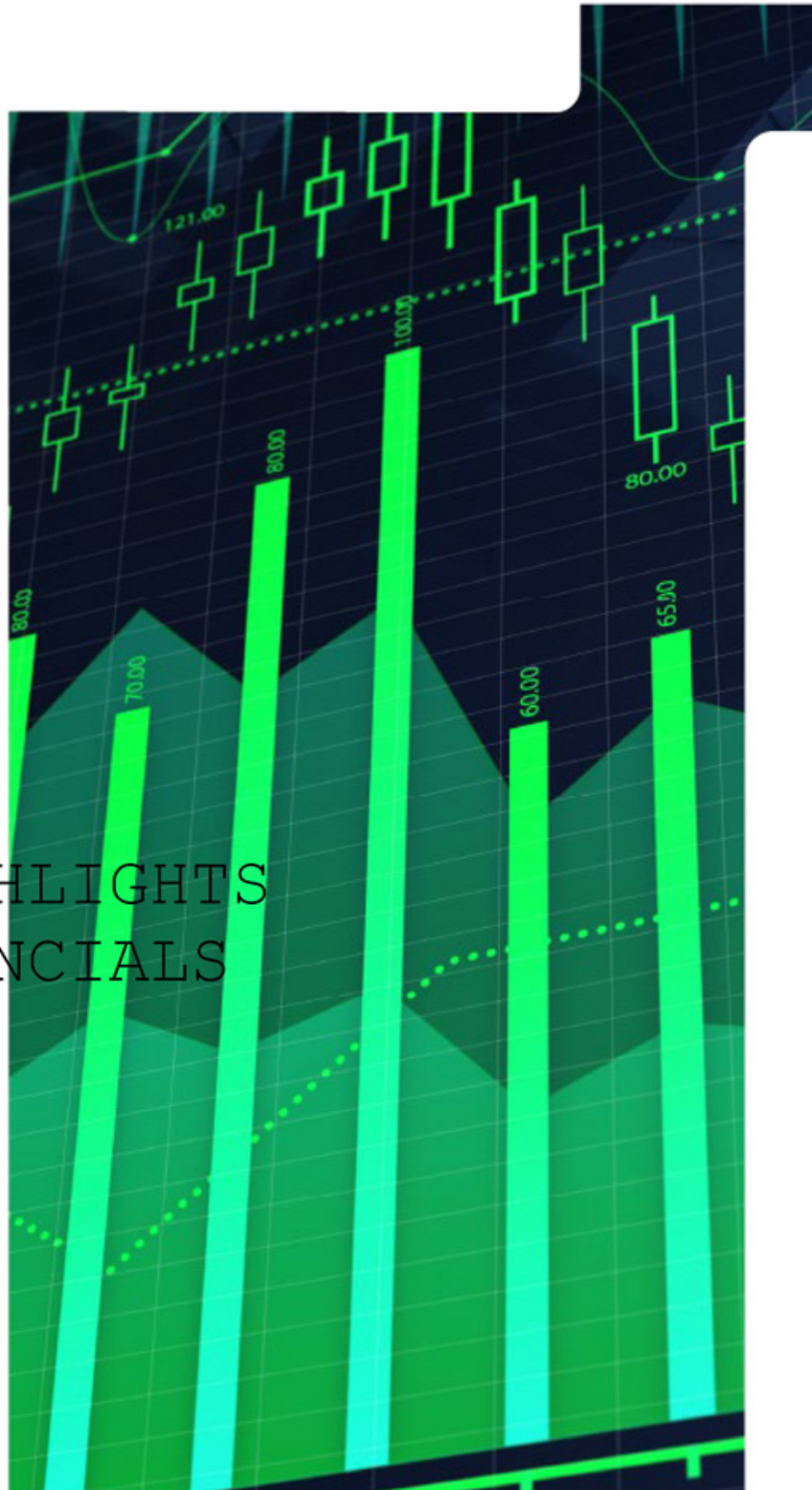
Gavin Jones

Chief Financial Officer a.i. & Chief Accounting Officer

João Teixeira Wahnnon

Global Origination & Head of Commercial (Spain & MENA)

02- Q2 HIGHLIGHTS & FINANCIALS



Second Quarter Highlights

- Won €2.46 million green hydrogen equipment supply contract with CSIC in Spain
- Published inaugural ESG Report
- 1 MW project in Italy using Fusion Fuel technology awarded grant to support its execution
- Further invoices issued for technology and turn-key project sales

Subsequent Events

- Announced a long-term green hydrogen offtake contract with a Spanish industrial group
- Submitted three Projects to Spanish H2 Pioneers II program and four projects to the new Portuguese C-14 program for a total of nearly 70 MW of electrolyzer capacity
- Achieved client acceptance at the Exolum hydrogen plant
- Creating strategic partnership with Duferco Energia to enter Italian market, starting with a 1 MW HEVO-Chain Series NC project in Southern Italy
- Signed agreement with Hydrogen Ventures to reach FID on a €20+ million project in Portugal by end of 2023
- In negotiations with BGR Energy to install 1 MW HEVO-Chain demonstrator in India in 2024

Key Figures

KEY FINANCIALS & FIGURES (€000's) (Unaudited)	Q2 2023	Q1 2023
o/w revenues ¹	-	582
o/w cost of goods sold ²	(7,287)	(1,120)
o/w share-based payment (non-cash) expenses ³	(352)	(855)
o/w operating expenses ⁴	(4,634)	(5,975)
o/w impairment of property, plant and equipment ⁵	(205)	-
OPERATING (LOSS) INCOME	(12,478)	(7,368)
o/w fair value movement – warrants ⁶	309	4,975
o/w finance gain/ (loss), net	(122)	(90)
o/w share of loss of equity-accounted investees	(90)	(115)
PRE-TAX (LOSS) / PROFIT	(12,381)	(2,598)

¹ The Q1 2023 is the first quarter the Group recognized revenue from a technology sale relating to 62 HEVO-Solar units. No revenue was recognised in Q2 2023.

² During Q4 2022, we recorded an onerous contract provision charge of €6.52million relating to three technology sales contracts. The amount expensed during 2022 represented the total expected losses for these projects. During Q1 2023 we reversed some of this provision (€0.77 million) as the projects progressed. The onerous provision charges are non-cash items. During Q1 2023, scrapping costs of €0.1 million were incurred as part of the production of our product, the comparable amount recorded in Q2 2023 was €0.1 million. During Q2 2023, we also recorded an impairment charge of €7.19 million for specific items of raw materials and work-in-progress that will no longer be used by the Group. These items represent materials that were purchased & manufactured to legacy design.

³ Q2 2023 expense relates to 125,099 RSU's granted to employees, directors and consultants since year ended December 31, 2021, 2,128,554 options issued to five senior managers and 143,628 options issued in Q1 2023 to its non-executive directors. During Q2 2023, we granted 57,472 RSUs to employees whilst 13,465 RSUs were forfeited. During this quarter, this expense decreased as certain options (800,000) and RSU's (12,649) failed to meet the vesting conditions of the initial award. These were treated as forfeitures. We recorded a credit of €1.3 million during this quarter – €1.03 million in equity and €0.26 million in income statement relating to these forfeitures. These are non-cash expenses.

⁴ These expenses are incurred in the ongoing operations of the Group. Our operating expenses decreased by €1.34 million in Q2 2023. This decrease can be summarised as follows:

- Decrease of a non-recurring expense of €1.49 million during Q1 2023. This expense related to a specific production line expected to be installed at our Benavente facility during 2023 that we will no longer utilise. Due to the change in approach, this amount did not meet the required criteria for capitalization;
- Decrease of €0.2 million in personnel related costs because of reduction in headcount; and
- Offset by an increase of €0.19m of legal costs with lawyers.

⁵ During Q2 2023 an impairment of €0.21 million was recognized for equipment at the Benavente plant that will be sold during Q3 2023. This equipment was capitalized during Q4 2022.

⁶ Warrants are re-measured at fair value at each reporting date with changes in fair value recognized in profit or loss. The fair value of the warrants is determined with reference to the prevailing market price on NASDAQ under the ticker HTOOW. No warrants have been exercised since Q1 2021. These fair value movements represent non-cash items.

KEY FINANCIALS & FIGURES (€000's) (Unaudited)	Q2 2023	Q1 2023
Property, plant and equipment ¹	28,755	23,736
Intangible assets ²	5,184	5,285
TOTAL NON-CURRENT ASSETS	33,939	29,021
Trade receivables ³	828	1,109
Prepayments and other receivables ⁴	4,002	4,437
Inventory ⁵	17,411	22,806
VAT receivable ⁶	1,397	4,238
Cash and cash equivalents	3,085	5,759
TOTAL CURRENT ASSETS	26,723	38,349
TOTAL ASSETS	60,662	67,370
Trade and other payables ⁷	22,426	16,578
Cost accruals	2,452	2,233
Deferred income ⁸	7,544	6,237
Provisions ⁹	7,631	7,631
Derivative financial instruments – Warrants ¹⁰	2,367	2,676
Loans and borrowings	414	2,000
TOTAL LIABILITIES	42,834	37,355
TOTAL NET ASSETS	17,828	30,015

¹ The balance includes our Benavente facility (€9.90m), our Évora demonstrator plants (€4.39 million), and our HEVO-Sul project in Sines, Portugal (€3.5 million). In addition, we have recognized Right-of-Use (RoU) assets for our lease arrangements in accordance with IFRS 16 *Leases* (€10.40 million). The increase registered during the second quarter is related with new equipment in Benavente and new land leases which resulted in an increase of €0.78 million.

² Includes IP that was transferred during the 2020 merger (€1.9 million) and the spend incurred on our HEVO technology to date (€2.15 million, net of amortization charges) along with amounts on future iterations of the HEVO (€0.37 million).

³ Trade receivables relates to amounts owing from our technology sales customers.

⁴ Advanced payments to suppliers' accounts for €1.16 million of this balance. In addition, we have deferred costs (€0.2 million), security deposits (€1.3 million) and a grant receivable balance of €0.8 million.

⁵ Inventory consists of raw materials (€3.88 million) and work in progress (€13.53 million). This balance is net of impairment charges booked during Q2 2023 (€7.19 million).

⁶ During Q2 2023, we received €3.17 million in reimbursements relating to VAT which was offset by the submission of further claims during Q2 2023 of €0.41 million. During Q3 2023 to date, we have received a further €0.41 million.

⁷ €11.18 million of this balance represents amounts owed to suppliers. The remaining balance relates primarily to IFRS 16 Lease bookings (€10.8 million).

⁸ €5.98 million of this balance represents grant funding received in Dec. 2022, Q1 2023 and Q2 2023 for our C-5 project. The remaining balance (€1.57 million) relates to technology sales that have not met the revenue recognition criteria.

⁹ During Q4 2022, we recorded an onerous contract provision for our technology sales contracts. During Q1 2023 we reversed a portion of this provision as the projects progressed.

¹⁰ The fair value of the warrants is determined with reference to the prevailing market price of the warrants which trade on NASDAQ under the ticker HTOOW. The market price at June 30, 2023, was \$0.29 (March 31, 2023: \$ 0.33).

SHARES, WARRANTS AND EQUITY PLAN AT PERIOD END	Q2 2023	Q1 2023
ORDINARY SHARES – Class A ¹	14,532,500	14,532,500
WARRANTS OUTSTANDING	8,869,633	8,869,633
RSUs OUTSTANDING	127,071	80,276
OPTIONS OUTSTANDING	1,472,182	2,271,682

¹ On June 6, 2022, we entered into an At the Market Issuance Sales Agreement (“the ATM”) with B. Riley Securities, Inc., Fearnley Securities Inc., and H.C. Wainwright & Co., LLC, pursuant to which the Company may offer and sell, from time to time, through or to the agents, acting as agent or principle, shares of the Company’s common stock having an aggregate offering price of up to \$30 million under the Company’s Form F-3 registration statement. In Q2 2023, the amount available to be sold under the ATM was reduced to \$10 million. During Q1 2023, we sold 726,851 class A ordinary shares for net proceeds of \$2,599,146 at an average sales price of \$3.91 per share. We paid \$77,974 in commissions to agents as part of these trades. No ATM Share were sold during Q2 2023. Between July 14, 2023 and August 1, 2023, we sold 222,469 class A ordinary shares for net proceeds of \$492,788 at an average sales price of \$2.35 per share. We paid \$20,490 in commissions to agents as part of these trades.

GRANT UPDATE – SUBSEQUENT TO MARCH 31, 2023 (€ millions)

	TOTAL APPROVED	TOTAL INVOICED (TO DATE)
GRANT TOTAL ²	60	9.6

² Grant values include grants awarded to Fusion Fuel's own projects as well as projects by third party clients and developers that include Fusion Fuel technology. The grants relate to projects in Portugal, Spain and Italy. In Portugal, the grants also include the previously announced grants for R&D and for our Benavente production facility.



Executive Offices

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Shareholder Inquiries

Information about the firm, including all quarterly earnings releases and financial filings with the U.S. Securities and Exchange Commission, can be accessed via our Web site at www.fusion-fuel.eu

Shareholder inquiries can also be directed to Investor Relations via email at ir@fusion-fuel.eu

Transfer Agent and Registrar for Common Stock

Questions from registered shareholders of FUSION-FUEL Green Plc. regarding lost or stolen stock certificates, dividends, changes of address, and other issues related to registered share ownership should be addressed to:

Mark Zimkind
1 State Street
New York, NY 10004

FUSION FUEL™

2Q 2023
PRESENTATION

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Disclaimer

This presentation includes statements of future events, conditions, expectations, and projections of Fusion Fuel Green plc (the "Company"). Such statements are "forward looking statements" within the meaning of the "safe harbor" provisions of the United States Private Securities Litigation Reform Act of 1995. The Company's actual results may differ from its expectations, estimates and projections and, consequently, you should not rely on these forward-looking statements as predictions of future events. Words such as "expect," "estimate," "project," "budget," "forecast," "anticipate," "intend," "plan," "may," "will," "could," "should," "believe," "predict," "potential," and similar expressions are intended to identify such forward-looking statements. These forward-looking statements include, without limitation, estimates and projections of future performance, which are based on numerous assumptions about sales, margins, competitive factors, industry performance and other factors which cannot be predicted. Such assumptions involve a number of known and unknown risks, uncertainties, and other factors, many of which are outside of the Company's control, including, among other things: the failure to obtain required regulatory approvals; changes in Portuguese, Spanish, Moroccan, or European green energy plans; the ability to obtain additional capital; field conditions and the ability to increase production capacity; supply chain competition; changes adversely affecting the businesses in which the Company is engaged; management of growth; general economic conditions, including changes in the credit, debit, securities, financial or capital markets; or any adverse public health developments on the Company's business and operations. Should one or more of these material risks occur or should the underlying assumptions change or prove incorrect, the actual results of operations are likely to vary from the projections and the variations may be material and adverse.

The forward-looking statements and projections herein should not be regarded as a representation or prediction that the Company will achieve or is likely to achieve any particular results.

The Company cautions readers not to place undue reliance upon any forward-looking statements and projections, which speak only as of the date made. The Company does not undertake or accept any obligation or undertaking to release publicly any updates or revisions to any forward-looking statements to reflect any change in its expectations or any change in events, conditions or circumstances on which any such statement is based.

Financial Update Presentation

The Company's consolidated financial data is prepared in accordance with International Financial Reporting Standards as adopted by the International Accounting Standards Board ("IFRS") and is denominated in Euros ("EUR" or "€"). The numbers shown in this presentation have not been audited and therefore may vary to the final financial results disclosed by the company as part of the annual report. The unaudited consolidated financial data reflects, in the opinion of management, all adjustments, consisting of normal recurring adjustments, considered necessary for a fair statement of the Company's financial data for the periods indicated. The unaudited consolidated financial data should be read in conjunction with the audited consolidated financial statements and notes thereto for the year ended December 31, 2022 included in the Company's Annual Report on Form 20-F for the year ended December 31, 2022.

Use of Social Media as a Source of Material News

The Company uses, and will continue to use, its LinkedIn profile, website, press releases, and various social media channels, as additional means of disclosing information to investors, the media, and others interested in the Company. It is possible that certain information that the Company posts on social media or its website, or disseminates in press releases, could be deemed to be material information, and the Company encourages investors, the media and others interested in the Company to review the business and financial information that the Company posts on its social media channels, website, and disseminates in press releases, as such information could be deemed to be material information.

- Focus on Fusion
- Q2 Financials & Highlights
- Projects Update
- Technology Update
- 2023 Milestones and Priorities
- Q&A

01—
FOCUS
ON FUSION



Fusion Fuel is a pure-play green hydrogen solutions company. We are committed to making the energy transition more accessible through the development of disruptive, scalable, modular hydrogen solutions.



Unique product offering based on patented micro-electrolyzer technology

- Modular PEM architecture unlocks cost advantage at small-to-midscale project sizes
- Enables distributed hydrogen production, bypassing need for costly infrastructure buildout or last-mile logistics & distribution



De-risked near-term project pipeline

- €60+ million of grant funding awarded in Portugal and Spain
- 240+ MW technology sale pipeline through 2025



Differentiated strategy of tech sales and project development

- Diversified revenue streams from multifaceted commercial model (tech sales, project sales, development fees, O&M service fees, hydrogen sales)
- Development pipeline drives incremental technology sale demand



Significant growth potential from current platform

- 1.5 GW project pipeline focused on Portugal, Spain, Italy and North America, with further potential growth ramp
- Production facility aims to reach 500 MW of annual electrolysis production capacity by the end of 2025; 'cut & paste' approach for new geographies

02—
Q2 FINANCIALS &
HIGHLIGHTS



Key Developments

- Won €2.46 million green hydrogen equipment supply contract with CSIC in Spain
- Published inaugural ESG Report
- 1 MW project in Italy using Fusion Fuel technology awarded grant to support its execution
- Further invoices issued for technology and turn-key project sales

Subsequent Events

- Announced long-term green hydrogen offtake contract with a Spanish industrial group
- Submitted three projects to Spanish H2 Pioneers II program and four projects to the new Portuguese C-14 program, cumulatively representing nearly 70 MW of electrolyzer capacity
- Finalized acceptance tests at the Exolum hydrogen plant
- Creating strategic partnership with Duferco Energia to enter Italian market, starting with a 1 MW HEVO-Chain Series NC project in Southern Italy
- Signed agreement with Hydrogen Ventures to reach FID on a €20+ million project in Portugal by end of 2023
- In negotiations with BGR Energy to install 1 MW HEVO-Chain demonstrator in India in 2024

02 – FINANCIAL DATA (UNAUDITED)

FUSION FUEL™

KEY FINANCIALS & FIGURES (€000's) (Unaudited)	Q2 2023	Q1 2023	KEY FINANCIALS & FIGURES (€000's) (Unaudited)	Q2 2023	Q1 2023
o/w revenues ¹	-	582	o/w fair value movement – warrants ⁶	309	4,975
o/w cost of goods sold ²	(7,287)	(1,120)	o/w finance gain/ (loss), net	(122)	(90)
o/w share-based payment (non-cash) expenses ³	(352)	(855)	o/w share of loss of equity-accounted investees	(90)	(115)
o/w operating expenses ⁴	(4,634)	(5,975)	PRE-TAX (LOSS) / PROFIT	(12,381)	(2,598)
o/w impairment of property, plant and equipment ⁵	(205)	-			
OPERATING (LOSS) INCOME	(12,478)	(7,368)			

¹ The Q1 2023 is the first quarter the Group recognized revenue from a technology sale relating to 62 HEVO-Solar units. No revenue was recognised in Q2 2023.

² During Q4 2022, we recorded an onerous contract provision charge of €6.52million relating to three technology sales contracts. The amount expensed during 2022 represented the total expected losses for these projects. During Q1 2023 we revised some of this provision (€0.77 million) as the projects progressed. The onerous provision charges are non-cash items. During Q1 2023, scrapping costs of €0.1 million were incurred as part of the production of our product, the comparable amount recorded in Q2 2023 was €0.1 million. During Q2 2023, we also recorded an impairment charge of €7.19 million for specific items of raw materials and work-in-progress that will no longer be used by the Group. These items represent materials that were purchased & manufactured to legacy design.

³ Q2 2023 expense relates to 125,099 RSUs granted to employees, directors and consultants since year ended December 31, 2021. 2,328,554 options issued to five senior managers and 143,628 options issued in Q1 2023 to its non-executive directors. During Q2 2023, we granted 57,472 RSUs to employees whilst 13,465 RSUs were forfeited. During this quarter, this expense decreased as certain options (800,000) and RSUs (12,649) failed to meet the vesting conditions of the initial award. These were treated as forfeitures. We recorded a credit of €1.3 million during this quarter – €1.03 million in equity and €0.26 million in income statement relating to these forfeitures. These are non-cash expenses.

⁴ These expenses are incurred in the ongoing operations of the Group. Our operating expenses decreased by €1.34 million in Q2 2023. This decrease can be summarised as follows:

- Decrease of a non-recurring expense of €1.49 million during Q1 2023. This expense related to a specific production line expected to be installed at our Benavente facility during 2023 that we will no longer utilise. Due to the change in approach, this amount did not meet the required criteria for capitalization;
- Decrease of €0.2 million in personnel related costs because of reduction in headcount; and
- Offset by an increase of €0.19m of legal costs with lawyers.

⁵ During Q2 2023 an impairment of €0.21 million was recognized for equipment at the Benavente plant that will be sold during Q3 2023. This equipment was capitalized during Q4 2022.

⁶ Warrants are re-measured at fair value at each reporting date with changes in fair value recognized in profit or loss. The fair value of the warrants is determined with reference to the prevailing market price on NASDAQ under the ticker HTOOW. No warrants have been exercised since Q1 2021. These fair value movements represent non-cash items.

02 – FINANCIAL DATA (UNAUDITED)

FUSION FUEL™

KEY FINANCIALS & FIGURES (€000's) (Unaudited)	Q2 2023	Q1 2023	KEY FINANCIALS & FIGURES (€000's) (Unaudited)	Q2 2023	Q1 2023
Property, plant and equipment ¹	28,755	23,736	Trade and other payables ⁷	22,426	16,578
Intangible assets ²	5,184	5,285	Cost accruals	2,452	2,233
TOTAL NON-CURRENT ASSETS	33,939	29,021	Deferred income ⁸	7,544	6,237
Trade receivables ³	828	1,109	Provisions ⁹	7,631	7,631
Prepayments and other receivables ⁴	4,002	4,437	Derivative financial instruments – Warrants ¹⁰	2,367	2,676
Inventory ⁵	17,411	22,806	Loans and borrowings	414	2,000
VAT receivable ⁶	1,397	4,238	TOTAL LIABILITIES	42,834	37,355
Cash and cash equivalents	3,085	5,759			
TOTAL CURRENT ASSETS	26,723	38,349			
TOTAL ASSETS	60,662	67,370	TOTAL NET ASSETS	17,828	30,015

¹ The balance includes our Benavente facility (€9.90m), our Évora demonstrator plants (€4.39 million), and our HEVO-Sul project in Sines, Portugal (€3.5 million). In addition, we have recognized Right-of-Use (RoU) assets for our lease arrangements in accordance with IFRS 16 Leases (€10.40 million). The increase registered during the second quarter is related with new equipment in Benavente and new land leases which resulted in an increase of €0.78 million.

² Includes IP that was transferred during the 2020 merger (€1.9 million) and the spend incurred on our HEVO technology to date (€2.15 million, net of amortization charges) along with amounts on future iterations of the HEVO (€0.37 million).

³ Trade receivables relates to amounts owing from our technology sales customers.

⁴ Advanced payments to suppliers' accounts for €1.16 million of this balance. In addition, we have deferred costs (€0.2 million), security deposits (€1.3 million) and a grant receivable balance of €0.8 million.

⁵ Inventory consists of raw materials (€3.88 million) and work in progress (€13.53 million). This balance is net of impairment charges booked during Q2 2023 (€7.19 million).

⁶ During Q2 2023, we received €3.17 million in reimbursements relating to VAT which was offset by the submission of further claims during Q2 2023 of €0.41 million. During Q3 2023 to date, we have received a further €0.41 million.

⁷ €11.18 million of this balance represents amounts owed to suppliers. The remaining balance relates primarily to IFRS 16 Lease bookings (€10.8 million).

⁸ €5.98 million of this balance represents grant funding received in Dec. 2022, Q1 2023 and Q2 2023 for our C-5 project. The remaining balance (€1.57 million) relates to technology sales that have not met the revenue recognition criteria.

⁹ During Q4 2022, we recorded an onerous contract provision for our technology sales contracts. During Q1 2023 we reversed a portion of this provision as the projects progressed.

¹⁰ The fair value of the warrants is determined with reference to the prevailing market price of the warrants which trade on NASDAQ under the ticker HTOOW. The market price at June 30, 2023, was \$0.29 (March 31, 2023: \$0.33).

SHARES, WARRANTS AND EQUITY PLAN AT PERIOD END	Q2 2023	Q1 2023
ORDINARY SHARES - Class A ¹	14,532,500	14,532,500
WARRANTS OUTSTANDING	8,869,633	8,869,633
RSUs OUTSTANDING	127,071	80,276
OPTIONS OUTSTANDING	1,472,182	2,271,682

¹ On June 6, 2022, we entered into an At the Market Issuance Sales Agreement ("the ATM") with B. Riley Securities, Inc., Fearnley Securities Inc., and H.C. Wainwright & Co., LLC, pursuant to which the Company may offer and sell, from time to time, through or to the agents, acting as agent or principle, shares of the Company's common stock having an aggregate offering price of up to \$30 million under the Company's Form F-3 registration statement. In Q2 2023, the amount available to be sold under the ATM was reduced to \$10 million. During Q1 2023, we sold 726,851 class A ordinary shares for net proceeds of \$2,599,146 at an average sales price of \$3.91 per share. We paid \$77,974 in commissions to agents as part of these trades. No ATM Share were sold during Q2 2023. Between July 14, 2023 and August 1, 2023, we sold 222,469 class A ordinary shares for net proceeds of \$492,788 at an average sales price of \$2.35 per share. We paid \$70,490 in commissions to agents as part of these trades.

GRANT UPDATE – SUBSEQUENT TO JUNE 30, 2023 (€ millions)

	TOTAL APPROVED	TOTAL INVOICED (TO DATE)
GRANT TOTAL ²	60	9.6

² Grant values include grants awarded to Fusion Fuel's own projects as well as projects by third party clients and developers that include Fusion Fuel technology. The grants relate to projects in Portugal, Spain and Italy. In Portugal, the grants also include the previously announced grants for R&D and for our Benavente production facility.

Fusion Fuel has submitted multiple submissions to grant programs in both Portugal and Spain in Q3 2023

Revenues & Gross Margins

- Our initial 2023 revenue forecast was based on: 1) technology sales with committed orders and 2) projects in advanced stages of development. The €25m was split between €5m for tech sales and €20m in proceeds associated with the company's own projects
- Revised 2023 revenue forecast excludes projects in advanced stages of development, which included two projects with grants that required completion during 2023. Due to delays in the licensing and permitting processes, the prospective clients for these two projects were moved to other projects in our portfolio for completion in 2024
- Cost of Goods Sold ('COGS') will be lower due to the reduction in sales in 2023. In addition, losses associated with technology sales were recorded in previous periods which will result in lower COGS being recorded once the associated revenues are booked
- The Net Income / (Loss) amount includes impairment charges recorded during Q2 2023 and does not contemplate further impairments. This line item excludes amounts related to share-based payment costs and any fair value movements on warrants
- We expect to issue revised guidance for 2024/25 as part of our Q3 2023 investor update














	Guidance - Initial	Guidance - Revised
Revenues	€25m	€5m
Gross margin	<10%	<10%
SG&A	€17m	€18m
Net Income / (Loss)	(€15m)	(€24m)
Production Capacity	50 MW	40 MW

Working capital and CAPEX

- The 50MW of production capacity expected at the end of 2023 assumed some investment in a second production line that has been shifted to 2024. We will continue to aim to match actual production with client deliveries which may be lower than max production capacity
- Investments in development projects previously estimated at €7m will be lower given the licensing delays. This expenditure is at our discretion

Projections are based on the financial and business model of Fusion Fuel, constitute "forward-looking statements" and involve a number of risks, uncertainties or other assumptions that may cause actual results or performance to be materially different. See disclosures and disclaimers at the start of this presentation.

CASH INFLOWS vs REVENUE RECOGNITION

	Contract Signature	Delivery of Operating Manuals	Equipment Manufacture	Equipment Delivery	Mechanical & Electrical Works	Installation & Commissioning
						
CASH INFLOWS						
REVENUE RECOGNITION						

Note: the table above is illustrative; actual timing of revenue recognition may differ from contract to contract

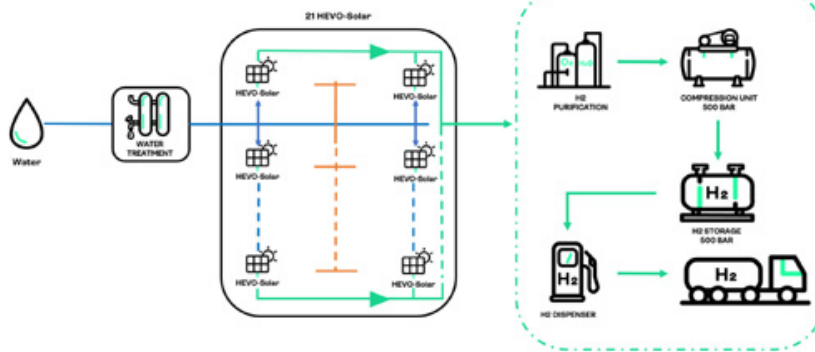
03—
PROJECTS UPDATE



Exolum Green H2 Mobility Plant – In Operation

exolum

FUSION-FUEL™



- Fusion Fuel designed and oversaw the installation and commissioning of the first solar to hydrogen refuelling station in Iberia for its client, Exolum
- The 21 HEVO-Solar units have a max production of 9kg/h (solar only) or 11 kg/h (using power grid) and includes compression to 500 barg and a hydrogen refuelling station
- Plant is expected to start refuelling buses in September



Atlas Copco Compressor

PRF Integrator

CETIL H2 Dispenser

sysadvance Water Purifier

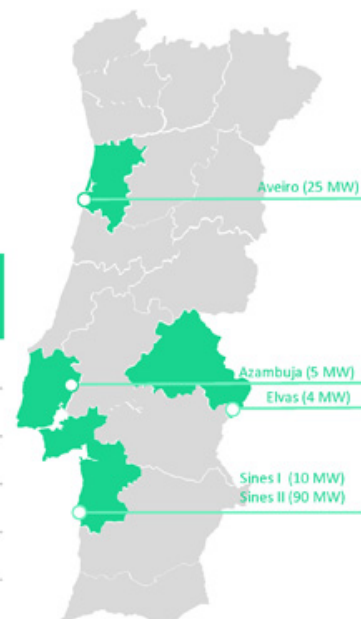
Portugal Project Portfolio Update

- Portfolio with secured land in strategic sites and government grants to support deployment of the projects
- Total installed capacity of c.a. 110 MW with commissioning dates no later than 4Q 2025
- €44m of governmental grant funding contracted and secured
- Green hydrogen production plants located in strategic hubs with high demand for green hydrogen
- > 170 hectares of secured plots for development of renewable power to ensure low cost of energy

Project Milestones

Project	Installed Electrolyzer Capacity (MW)	H2 prod. (tons p.a.)	FID ¹	COO ²	Land Contracted	Municipality location approval	Electric grid connection (MVA)	Grants Secured ⁸ (million EUR)	Environ. Permits	Class V Financial model	Offtaker LoI / MoU
Sines I	10	765	2023 Q4	2024 Q4	✓ ³	✓	✓ ⁷ (12 MVA)	✓ (EUR 10)	✓	✓	✓
Sines II	90	9,250	2024 Q2	2025 Q2	✓ ³		✓ ⁷ (100 MVA)	✓ (EUR 26)		✓	✓
Elvas	4	165	2024 Q2	2025 Q2	4			✓ (EUR 3.6)		✓	✓
Azambuja	5	210	2024 Q2	Q2 2025	✓ ⁵	✓ ⁶		✓ (EUR 4.2)	✓ ⁹	✓	✓
Aveiro	25	2,100	2024 Q2	Q4 2025	Land belongs to Municipality	✓		Awaiting C14 result		✓	✓

1. Final Investment Decision; 2. Commercial Operating Date; 3. Industrial site secured. Total of 7ha of industrial site secured in the highly competitive Sines Industrial Hub. Additionally, Fusion Fuel secured 150+ha of land to develop owned renewable power assets aiming to reduce the cost of energy supply (c.a. 70% of OPEX). 4. On client scope; 5. 0.6 ha of industrial site secured to install H2 production and hydrogen refueling station. 10 ha secured for renewable power sourcing. 6. Request for location approval submitted. Expected response in September 2023. 7. Letter with approval and confirming technical conditions to connect to electric utility received; 8. Contracted and secured. 9. Submitted.



Recent submissions to new grant opportunities

- In addition to supplying hydrogen producing systems to third-party clients, Fusion Fuel continues to secure future green hydrogen projects for its own project portfolio, to then develop for sale to infrastructure partners
- In July, both Portugal and Spain had submission deadlines for their latest Recovery & Resilience grant programs
 - Fusion Fuel has submitted 2 projects in Spain and 1 project in Portugal for potential grant awards
 - Fusion Fuel was also the named technology provider for submissions of 1 Spanish and 3 Portuguese third party projects

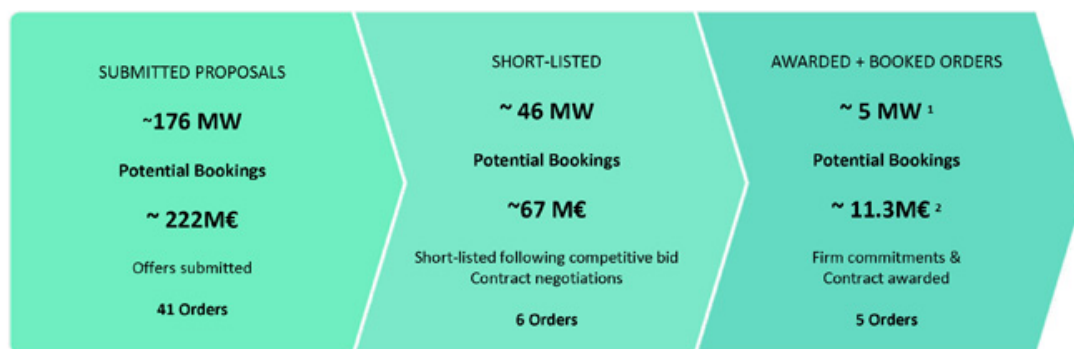
SPAIN – PERTE

	Project	Use case	MW	M€ Grant	Status
2022	Toledo	Industry	2.5	3.35	Awarded
2023	Zaragoza	Mobility (trucks + buses + forklifts)	5.7	9	Submitted
	Toledo II	Mobility (trucks + buses)	5.6	14.4	Submitted
	Client A	Industry	1.6	1.33	Submitted

PORTUGAL – C-14

Project	Use case	MW	M€ Grant	Status
Sines I	Industry	10	10	Awarded
HEVO Aveiro	Blending	25	15	Submitted
Client A	Blending / feedstock	10	6.8	Submitted
Client B	Mobility	10	11.84	Submitted
Client C	Blending / feedstock	10	6.85	Submitted





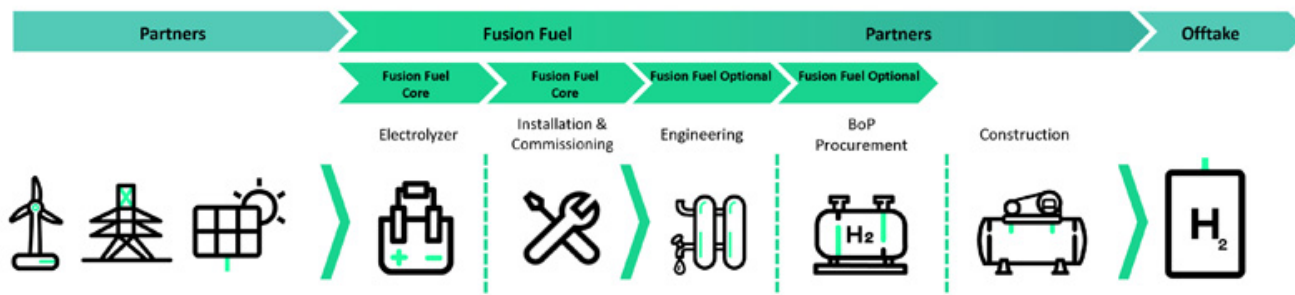
Figures for each stage are as of mid-August 2023

- In June 2023, Fusion Fuel initiated a focused effort on third-party technology sales, having as of now submitted offers for approximately 30 third-party opportunities
- First offers have now been submitted for projects in Northern Europe, one of the priorities for 2023
- Own projects, to be sold to an infrastructure investor, represent approximately 46 MW of the 222MW short to midterm pipeline
- Own projects currently being negotiated with third parties represent approximately €67m of potential revenues for Fusion Fuel

Note:

¹ Includes already announced projects of Exolum, CSIC & KEME

² Including Balance of Plant & Engineering for Exolum and CSIC



- Fusion Fuel's core business is the sale and installation & commissioning of our proprietary electrolyzer solutions
- Fusion Fuel has also developed unique expertise with specialist knowledge of hydrogen gas management, and project design and engineering, along with partnerships with key value chain partners for balance of plant equipment
- In certain markets, Fusion Fuel will also provide engineering and procurement services for a fee. This is a particular competitive advantage for clients that do not have substantial gas market knowledge
- Some proposals require a substantial degree of engineering to be able to be submitted. For certain core markets, Fusion Fuel's engineering team can undertake this work, for others we will look for local partners with relevant expertise

Italy

Duferco Energia, a company of the Duferco Group, is an operator active across the full spectrum of the Italian energy market from renewable production, to trading, to the supply to the end-user and the development of energy efficiency services:

- Fusion Fuel and Duferco are working together on a commercial agreement to develop an Italian sales force team to market the new HEVO-Chain technology. This partnership will leverage Duferco's network and commercial capabilities, which will allow for a faster and broader market coverage
- Duferco was awarded a grant to install a 1 MW green hydrogen plant in 1 H 2025 to reduce the carbon footprint of a local refinery. As a result, Fusion Fuel will provide a 1 MW HEVO-Chain Series C electrolyser solution



Other Partnerships

Fusion Fuel is actively engaged in establishing several key partnerships, to open and engage in markets where Fusion Fuel would have limited ability to cover by itself. These include:

- Partnership for a specific European country, aimed to cover both the development and CAPEX funding required to deliver on several of the large-scale projects Fusion Fuel is engaged on
- Partnership to develop hydrogen projects and potential tech sales representation in North America
- Partnership to provide hydrogen technology to projects in India with the potential to consider production facility in the future

Further information will be provided as the partnership discussions evolve

HYDROGEN VENTURES

- HPA for the supply of fuel cell grade green hydrogen in Portugal
- 3 tons in 2023
- 30 tons per year as of 2024
- 10-year agreement

DOUROGÁS

- Fusion Fuel's first offtake contract aimed at blending green hydrogen within the Portuguese natural gas grid, and a first-of-its-kind agreement in Portugal
- 10-year agreement
- The price has as reference gas prices (TTF) plus CO₂ emissions avoided

SPAIN CLIENT A

- Long-term green hydrogen offtake contract with a Spanish industrial group
- 111.5 tons per year
- Client A will buy the green hydrogen necessary to offset 30% of their annual energy consumption and thereby significantly reduce carbon emissions



Fusion Fuel has 14 MOUs signed for ~3,000 tons and another 5 under negotiation to supply hydrogen in Iberia. The Green Hydrogen economy is at an early stage and these first MoUs provide a critical foothold for Fusion Fuel in the region.

04—
TECHNOLOGY
UPDATE



Advantages of Fusion Fuel's HEVO-Chain Technology

Market-leading system efficiency of 51.8 kWh/kg at 4 barg; PEM stack efficiency of 47.8 kWh/kg

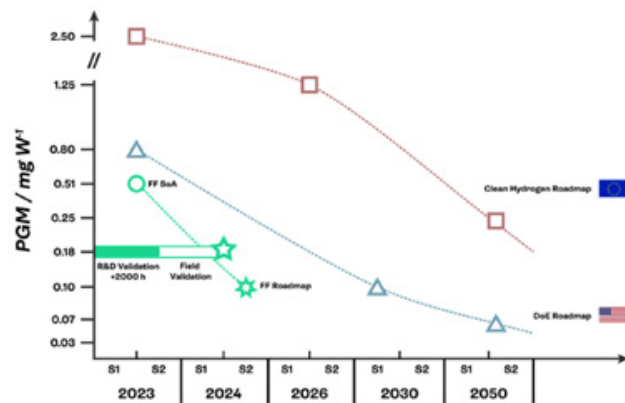
20.2 kW building blocks provide unprecedented modularity in plant design

Industry-leading precious metal utilization; 2,000 hours validated at 0.18 mg/W

Production throughput to deliver in ~8 months vs. typical 18–24-month lead time

Modular approach minimizes disruption during maintenance, ensuring production continuity

PGM Loading, Fusion Fuel Roadmap vs. Benchmark



As of today, PGM¹ footprint of the HEVO is ~36% lower than US DoE Roadmap and ~80% lower than EU Clean Hydrogen Roadmap

¹ Platinum group metals (PGMs) comprise of platinum, palladium, rhodium, ruthenium, iridium and osmium. PGMs identified by the [European Commission COM \(2020\) 474](https://ec.europa.eu/eurofin/infocentre/questionnaire.cfm) as Critical Raw Materials due to Supply Chain Risk and Economic Importance, being South Africa and Russia the main global producers. ² New anode design currently under field tests validation.

05—
2023 MILESTONES



Our key milestones for 2023:

1 –

PRODUCTION

- Expand production capacity to 50 MW

2 –

TECH DEVELOPMENT

- ✓ Finalize trials and development of HEVO-Chain
- Introduce O2 Capture System

3 –

SALES & GRANTS

- 2023 revenue target contracted
- 2024 pipeline with confirmed orders
- ✓ Secure grants for company-owned plants and for third-party projects

4 –

PROJECT DEVELOPMENT

- Kick-off development of projects that will be in construction in 2023 and 2024
- Secure required licenses / permits for existing project portfolio

5 –

SAFETY

- ✓ Health & Safety as a core pillar of Firm's culture
- ✓ Implement robust safety protocols
- Zero significant safety incidents Company-wide

- ✓ Complete
- In Progress

1. Commence commercial activities in Northern Europe

- Began offering the HEVO-Chain solution to potential clients in Northern Europe during Q3 of 2023

2. Strengthen balance sheet and capital position

- In discussions with investors and prospective capital providers to strengthen liquidity position
- Current approach is to secure sufficient capital to meaningfully extend runway to execute on near-term value milestones, then further solidify our balance sheet from a position of greater strength

3. Develop technology for large-scale projects

- HEVO-Chain offerings developed for both 5 & 10 MW scale projects and can be scaled up using established modules

4. Continue to prioritize corporate culture

- Implement systems to support transition from an early-stage to a growth-stage, more mature company
- Continue to right size company structure and costs, making strategic resource allocation changes

5. Pursue strategic commercial and production partnerships

- Established strategic partnership for Italy. Pursuing other partnerships for certain European countries and other markets where Fusion Fuel is not currently active or that are of strategic importance

Q&A