

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

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 or 15(d) of the
Securities Exchange Act of 1934

Date of Report (Date of Earliest Event Reported): November 8, 2022

Odyssey Semiconductor Technologies, Inc.

(Exact Name of Registrant as Specified in its Charter)

Delaware (State or other Jurisdiction of Incorporation)	333-234741 (Commission File Number)	84-1766761 (I.R.S. Employer Identification No.)
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**9 Brown Road
Ithaca, NY 14850**
(Address of Principal Executive Offices)

Registrant's telephone number, including area code: **(607) 351-9768**

N/A
(Former Address of Principal Executive Offices)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation under any of the following provisions (see General Instruction A.2. below):

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).

Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Securities registered pursuant to Section 12(b) of the Act: None.

Section 7 – Regulation FD

Item 7.01. Regulation FD Disclosure

On November 8, 2022, Odyssey Semiconductor Technologies, Inc. (the “Company”) published a press release regarding its financial results for the third quarter of 2022. On the same day, the Company also held a conference call and webcast to discuss its financial results for the quarter and made available on its website the slides for such presentation.

A copy of the press release and the presentation slides are furnished hereto as Exhibits 99.1 and 99.2, respectively. The information contained in this Current Report on Form 8-K (including the exhibits) is being furnished and shall not be deemed “filed” for the purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the “Exchange Act”), or otherwise subject to the liabilities of that Section, nor shall it be deemed incorporated by reference in any filing under the Securities Act of 1933, as amended, or the Exchange Act, except as otherwise expressly stated in such filing.

Section 9 – Financial Statements and Exhibits

Item 9.01. Financial Statements and Exhibits

© Exhibits

Exhibit No.	Description
99.1	Press Release dated November 8, 2022
99.2	Presentation Slides dated November 8, 2022
104	Cover Pager Interactive Data File, formatted in Inline XBRL document

SIGNATURES

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

Date: November 8, 2022

Odyssey Semiconductor Technologies, Inc.

By: /s/ Mark Davidson

Name: Mark Davidson

Title: Chief Executive Officer

**Odyssey Semiconductor Technologies Announces Third Quarter 2022 Results**

- *Achieved 1200 volt threshold of vertical GaN power devices in development*
- *650 and 1200 volt product sample fabrication is underway, planned for completion in Q4 2022*
- *Customer commitments secured for product evaluation, commencing in Q1 2023*

ITHACA, N.Y., November 8, 2022 – Odyssey Semiconductor Technologies, Inc. (OTCQB: ODII), a semiconductor device company developing innovative high-voltage power switching components based on proprietary Gallium Nitride (“GaN”) processing technology, today announced its third quarter 2022 results.

CEO Commentary

“I can’t over-emphasize the impact that achieving the 1200 volt threshold on our vertical GaN power devices has had on our company,” said Mark Davidson, Odyssey’s Chief Executive Officer. “Our company was founded to accomplish this very goal. The content of that announcement in September enables us to focus on delivering samples to customers.”

“As a direct result of our press release on September 14th, our backlog of customers interested in receiving product samples has grown significantly. As a company, we remain focused on executing our milestones as we know the market and the customers are there. I am confident in our team’s ability to deliver the performance and commercial advantages relative to silicon and silicon carbide for our initial key applications in industrial motors, electric vehicles and renewable energy markets,” concluded Davidson.

Accomplished Technology Development and Business Milestones Recently

- Achieved 1200 volt threshold of vertical GaN power devices in development utilizing Odyssey’s industry leading vertical GaN intellectual property.
- 650 and 1200 volt product sample fabrication is underway, planned for completion in Q4 2022.
- Customer commitments secured for product evaluation, commencing in Q1 2023.
- Generated \$208,780 foundry service revenues in Q3 2022, favorably higher than expected and a significant sequential increase from \$20,581 in Q2 2022. Pursuing \$2 million pipeline value for foundry services as the Company continues to pursue new opportunities in foundry services.
- Secured and received \$1.25 million bridge loan financing from our Chairman, John Edmunds.
- Appointed Laura Krauss as Chief Accounting Officer. This officer appointment supports the Company’s uplist plan to Nasdaq in 2023. Ms. Krauss, an accomplished financial executive and certified public accountant, joined the Company in September 2022 in this recently created role. Her 18 years of career experience strengthens our finance and accounting team.
- Positioning the Company to receive funding through the CHIPS and Science Act.

**Odyssey Uniquely Positioned in High Growth Megatrend Movement to High Voltage.
40% CAGR to 2027 in Odyssey's Addressable Market**

Odyssey's approach to vertical GaN will offer even greater commercial advantages over silicon than silicon carbide or lateral GaN. Vertical GaN offers a 10x advantage over silicon carbide (SiC) at performance and cost levels unattainable by the competing technologies.

The market the Company is pursuing is large and fast growing. The 650 volt segment is the larger market today, expected to grow at a 20% compound annual growth rate. The 1200 volt product market segment is expected to grow faster at 63% CAGR and will become the larger market in the second half of this decade. Together, the 650 and 1200 volt power device market is expected to exceed \$5 billion in 2027, a 40% combined CAGR according to Yole Group, a French market research firm.

Customers can request samples of the 650 and 1200 volt vertical GaN power devices at info@odysseysemi.com.

Conference Call and Webcast: Q3 2022 Results

The Company will hold a conference call and webcast scheduled to begin at 5:00 PM ET (2:00 PM PT) on Tuesday, November 8, 2022. The conference call and webcast will consist of prepared remarks by CEO Mark Davidson. Following the prepared remarks, CEO Mark Davidson and Chairman of the Board John Edmunds will answer questions. Analysts and investors may pose questions to Odyssey during the live webcast on November 8, 2022.

Interested persons may access the live conference call by dialing 877-545-0320 (U.S./Canada callers) or 973-528-0002(international callers), using passcode 103632. It is recommended that participants call or login 10 minutes ahead of the scheduled start time to ensure proper connection. An audio replay will be available one hour after the live call until Midnight on November 22, 2022, by dialing 877-481-4010 using passcode 47044.

The live webcast and interactive Q&A will be accessible on the Company's Investor Relations website under the Events tab at <https://www.odysseysemi.com/investors/ir-calendar>. The webcast will be archived on the website for future viewing.

About Odyssey Semiconductor Technologies, Inc.

Odyssey Semiconductor Technologies, Inc. (www.odysseysemi.com), has developed a proprietary technology that is designed to allow for GaN to replace SiC as the emerging high-voltage power switching semiconductor material. Based in Ithaca, NY, the Company owns and operates a 10,000 sq. ft. semiconductor wafer manufacturing facility complete with a mix of class 1,000 and class 10,000 clean space as well as tools for advanced semiconductor development and production. Odyssey Semiconductor also offers a world-class semiconductor device development and foundry service.

Forward-Looking Statements

Statements in this press release that are not descriptions of historical facts are forward-looking statements within the meaning of the safe harbor provisions of the Private Securities Litigation Reform Act of 1995. These forward-looking statements include, but are not limited to, statements about our plans, objectives, forecasts, representations and contentions and are not historical facts and typically are identified by use of terms such as “may,” “will,” “should,” “could,” “expect,” “plan,” “forecast,” “anticipate,” “believe,” “estimate,” “predict,” “potential,” “continue” and similar words, although some forward-looking statements are expressed differently. These forward-looking statements are based on management’s current expectations and assumptions and are subject to risks and uncertainties described more fully in the company’s filings on Forms 10-K and 10-Q and other periodic filings with the Securities and Exchange Commission. Factors that could cause actual results to differ materially from those currently anticipated include, without limitation, risks relating to the results of our research and development activities, including uncertainties relating to semiconductor process manufacturing; the early stage of our GaN-based technology presently under development; our ability to protect our intellectual property rights that are valuable to our business, including patent and other intellectual property rights; our ability to successfully market and sell our technologies; the ability to achieve high volume manufacturing and the size and growth of the potential markets for any of our technologies, the rate and degree of market acceptance of any of our technologies and our ability to raise funding to support operations and the continued development and qualification of our technology.

In light of these risks, uncertainties and assumptions, the forward-looking statements regarding future events and circumstances discussed in this press release may not occur, and actual results could differ materially and adversely from those anticipated or implied in the forward-looking statements. You should not rely upon forward-looking statements as predictions of future events. The forward-looking statements included herein speak only as of the date hereof, and we undertake no obligation to update publicly or privately any forward-looking statements for any reason after the date of this release to conform these statements to actual results or to changes in our expectations.

Investor Relations Contact

Darrow Associates
Jeff Christensen
(703) 297-6917
jchristensen@darrowir.com

Consolidated Financial Results

All financials referenced in this release are unaudited and intended to conform with U.S. Generally Accepted Accounting Principles (“GAAP”) and comparisons in this release are to the same period in the prior year unless otherwise noted.

ODYSSEY SEMICONDUCTOR TECHNOLOGIES, INC. AND SUBSIDIARIES
CONDENSED CONSOLIDATED BALANCE SHEETS
(Unaudited)

	<u>September 30,</u> <u>2022</u>	<u>December 31,</u> <u>2021</u>
Assets		
Current Assets:		
Cash	\$ 901,264	\$ 2,598,213
Accounts receivable	58,780	6,170
Deferred expenses	—	7,870
Prepaid expenses and other current assets	71,118	225,260
Total Current Assets	<u>1,031,162</u>	<u>2,837,513</u>
Restricted cash	103,229	103,201
Property and equipment, net	1,002,599	853,290
Operating ROU Asset	574,117	—
Total Assets	<u>\$ 2,711,107</u>	<u>\$ 3,794,004</u>
Liabilities and Stockholders' Equity		
Current Liabilities:		
Accounts payable and accrued expenses	\$ 327,290	\$ 147,947
Loan payable - short term	78,984	74,134
Bridge loan- related party	1,250,000	—
Lease liability - short term portion	183,300	—
Deferred revenue	11,000	10,000
Total Current Liabilities	<u>1,850,574</u>	<u>232,081</u>
Long-term lease liability	390,820	—
Loans payable - long term	288,936	345,459
Total liabilities	<u>2,530,330</u>	<u>577,540</u>
Commitments and contingencies	—	—
Stockholders' Equity:		
Preferred stock, \$0.0001 par value, 5,000,000 shares authorized; 0 shares issued and outstanding as of September 30, 2022 and December 31, 2021	—	—
Common stock, \$0.0001 par value, 45,000,000 shares authorized, 12,726,911 shares issued and outstanding as of September 30, 2022 and December 31, 2021	1,272	1,272
Additional paid-in capital	10,590,834	9,873,345
Accumulated deficit	(10,411,328)	(6,658,153)
Total Stockholders' Equity	<u>180,777</u>	<u>3,216,464</u>
Total Liabilities and Stockholders' Equity	<u>\$ 2,711,107</u>	<u>\$ 3,794,004</u>

ODYSSEY SEMICONDUCTOR TECHNOLOGIES, INC. AND SUBSIDIARIES
CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS
(Unaudited)

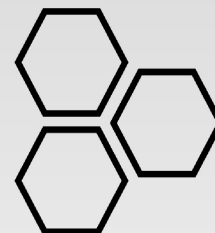
	For The Three Months Ended September 30,		For The Nine months ended September 30,	
	2022	2021	2022	2021
Revenues	\$ 208,780	\$ 174,952	\$ 259,299	\$ 693,074
Cost of Revenues	129,111	47,969	183,207	792,239
Gross Profit (Loss)	79,669	126,983	76,092	(99,165)
Operating Expenses:				
Research and development	535,123	454,658	1,552,012	1,073,737
Write off of fixed asset deposit	153,126	—	153,126	—
Selling, general, and administrative	653,308	403,441	2,089,082	1,658,994
Total Operating Expenses	1,341,557	858,099	3,794,220	2,732,731
Loss From Operations	(1,261,888)	(731,116)	(3,718,128)	(2,831,896)
Other Income (Expense):				
Forgiveness of PPP loan and other income	3,520	25,013	5,544	238,719
Interest income (expense)	(33,107)	(4,560)	(40,591)	(14,407)
Net Loss	\$ (1,291,475)	\$ (710,633)	\$ (3,753,175)	\$ (2,607,584)
Net (Loss) Income Per Share:				
Basic	\$ (0.10)	\$ (0.06)	\$ (0.29)	\$ (0.21)
Diluted	\$ (0.10)	\$ (0.06)	\$ (0.29)	\$ (0.21)
Weighted Average Number of Common Shares Outstanding:				
Basic	12,726,911	12,726,911	12,726,911	12,320,979
Diluted	12,726,911	12,726,911	12,726,911	12,320,979

ODYSSEY SEMICONDUCTOR TECHNOLOGIES, INC. AND SUBSIDIARIES
CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS
(Unaudited)

	For The Nine months ended September 30,	
	2022	2021
Cash Flows From Operating Activities:		
Net loss	\$ (3,753,175)	\$ (2,607,584)
Adjustments to reconcile net loss to net cash used in operating activities:33		
Stock-based compensation	717,489	1,123,423
Forgiveness of PPP loan indebtedness	—	(210,680)
Write off of fixed asset deposit	153,126	—
Depreciation and amortization	132,211	124,631
Changes in operating assets and liabilities:		
Contract assets	—	62,273
Accounts receivable	(52,610)	(37,168)
Prepaid expenses and other current assets	1,017	(1,693)
Deferred expenses	7,870	180,143
Accounts payable and accrued expenses	179,343	(67,843)
Deferred revenue	1,000	(230,447)
Total Adjustments	1,139,446	942,639
Net Cash Used In Operating Activities	(2,613,729)	(1,664,895)
Cash Flows Used In Investing Activities:		
Purchases of property and equipment	(281,519)	(32,505)
Lease of property	—	—
Net Cash Used In Investing Activities	(281,519)	(32,505)
Cash Flows From Financing Activities:		
Proceeds from sale of common stock, net of costs	—	4,599,055
Proceed from bridge loan	1,250,000	—
Proceeds from government loans	—	193,625
Repayment of government loans	(51,673)	(26,956)
Proceeds from exercise of stock options	—	68,438
Payment of deferred offering costs	—	—
Payment of deferred loan costs	—	—
Net Cash Provided By (Used In) Financing Activities	1,198,327	4,834,162
Net Increase (Decrease) In Cash and Restricted Cash	(1,696,921)	3,136,762
Cash and Restricted Cash - Beginning Of Period	2,701,414	375,855
Cash and Restricted Cash - End Of Period	\$ 1,004,493	\$ 3,512,617
Cash and Restricted Cash Consisted of the Following:		
Cash	\$ 901,264	\$ 3,409,429
Restricted cash	103,229	103,188
	\$ 1,004,493	\$ 3,512,617
Supplemental Disclosures of Cash Flow Information:		
Cash paid during the year for:		
Interest	\$ 14,143	\$ 6,911
Income taxes	\$ —	\$ —
Non-cash investing and financing activities:		
Operating Lease ROU Asset	\$ 693,683	\$ —

See notes to these condensed consolidated financial statements.

ODYSSEY SEMI



Uniquely Positioned In Fast-Growth Market: Leading The Transformation From Silicon and Silicon Carbide To High-Voltage Vertical GaN

November 8, 2022 | OTCQB: ODII

SAFE HARBOR STATEMENT



CAUTIONARY STATEMENT REGARDING FORWARD-LOOKING STATEMENTS

The information contained in this presentation includes some statements that are not purely historical and that are "forward-looking statements" within the meaning of the safe harbor provisions of the Private Securities Litigation Reform Act of 1995. Such forward-looking statements include, but are not limited to, statements regarding the Company's and its management's expectations, hopes, beliefs, intentions or strategies regarding the future, including the Company's financial condition and results of operations. In addition, any statements that refer to projections, forecasts or other characterizations of future events or circumstances, including any underlying assumptions, are forward-looking statements. The words "anticipates," "believes," "continue," "could," "estimates," "expects," "intends," "may," "might," "plans," "possible," "potential," "predicts," "projects," "seeks," "should," "will," "would" and similar expressions, or the negatives of such terms, may identify forward-looking statements, but the absence of these words does not mean that a statement is not forward-looking. The term "Company" in this presentation includes Odyssey Semiconductor Technologies, Inc. and its wholly-owned JR2J, LLC subsidiary.

The forward-looking statements contained in this presentation are based on the Company's and its management's current judgment, expectations and beliefs, but our actual results, events and performance could differ materially from those expressed or implied by the forward-looking statements. There can be no assurance that future developments actually affecting the Company will be those anticipated. These forward-looking statements involve a number of risks, uncertainties (some of which are beyond the Company's control) or other assumptions described more fully in the company's filings with the Securities and Exchange Commission that may cause actual results or performance to be materially different from those expressed or implied by these forward-looking statements, including those relating to potential fluctuations in our operating results, our possible dependence on a few large customers for a substantial portion of our revenue, a loss of revenue if contracts with the U.S. Government, defense or other major customers are cancelled or delayed, our ability to implement innovative technologies, our ability to bring new products to market, achievement of design wins over our competitors, the rate of acceptance of our products in the market, the efficient and successful operation of our wafer fabrication and other facilities, our ability to adjust production capacity in a timely fashion in response to changes in demand for our products, variability in manufacturing yields, our ability to successfully integrate our Ithaca wafer fab or other facilities or entities we may acquire, our ability to obtain a Trusted Foundry accreditation for the wafer fab, industry overcapacity, inaccurate product forecasts and corresponding inventory and manufacturing costs, dependence on third parties, our ability to attract and retain skilled personnel and senior management, the dilution that may be caused to our stockholders' ownership by our future need of substantial additional funding, our ability to protect our intellectual property, claims of intellectual property infringement and other lawsuits, security breaches and other similar disruption compromising our information, and the impact of government or environmental regulations. Should one or more of these risks or uncertainties materialize, or should any of our assumptions prove incorrect, actual results may vary in material respects from those expressed or implied by any of these forward-looking statements. The Company undertakes no obligation to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise, except as may be required under applicable securities laws.

These materials do not constitute any offer to sell, or the solicitation of any offer to buy, any securities of odyssey or any other entity. Any presentation to the contrary should be ignored.

"Odyssey Semiconductor™" and the Odyssey Semi logo are trademarks of Odyssey Semiconductor Technologies, Inc.

ODII: INVESTMENT HIGHLIGHTS



Odyssey successfully built high-voltage vertical GaN* power devices which meet 1200V rating and is now building samples for customers in industrial motor, renewable energy and electric vehicle market segments

With the industry's strongest vertical GaN IP portfolio, Odyssey is delivering 10X performance and cost levels unattainable by silicon carbide

Odyssey will disrupt the 40% CAGR, \$5B+ silicon carbide market with greater than 40% target gross margins

Key:

*GaN: Gallium Nitride

RECENTLY ANNOUNCED

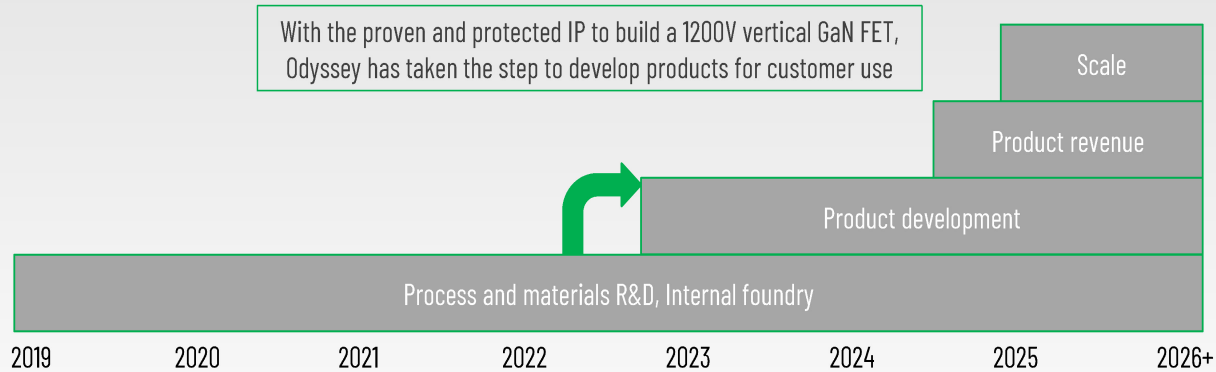


Odyssey Semiconductor Achieves 1200 Volt Rating on Vertical GaN Power Devices

- *On-track to build Gen1 product samples of 650 and 1200 volt/power devices in Q4 2022*
- *Validated process for large-scale device fabrication which is being used to package devices planned for completion in Q4 2022*

ITHACA, N.Y., September 14, 2022 – Odyssey Semiconductor Technologies, Inc. (OTCQB: ODII), a semiconductor device company developing innovative high-voltage power switching components based on proprietary Gallium Nitride (“GaN”) processing technology, today announced it reached the stated goal of 1200 volt rating on vertical GaN power field-effect transistors (FETs). The Company is now applying this validated technology to fabricate product samples in Q4 2022 for internal and customer evaluations, planned through Q1 2023.

A SIGNIFICANT STEP FOR ODYSSEY SEMICONDUCTOR



SIGNIFICANT RECENT ADVANCEMENTS



Technology

- Successfully built high-power vertical GaN FETs which meet 1200V rating
- Validated process for large-scale device fabrication currently in use to manufacture product samples
- Secured commitments from 3 customers to evaluate product samples to be delivered in Q1 2023
- September 14th press release initiated 6 additional companies requesting product samples

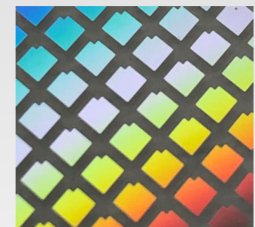


Image captured of vertical GaN FET currently being fabricated

SIGNIFICANT RECENT ADVANCEMENTS



Business

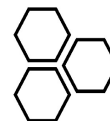
- Revenue of ~\$209k in Q3 2022 from foundry services provided for other companies; significant sequential increase from ~\$21k in Q2 2022
- Q4 2022 foundry revenue forecast between \$50k - \$175k, depending on customer supply chain challenges
- Pursuing \$2M pipeline of opportunity for foundry services
- Cash used in operations averaged ~\$321k per month in Q3 2022
- Secured \$1.25M bridge loan financing from company Chairman
- Ended quarter with ~\$901k cash on-hand with PIPE expected to bring additional working capital by the end of the year
- Added Laura Krauss as Chief Accounting Officer to support the Company's Nasdaq uplist plan
- Positioning Odyssey to receive funding through CHIPS Act

THE OPPORTUNITY



Sustainability AND Electrification AND Availability AND Affordability

ODYSSEY SEMI



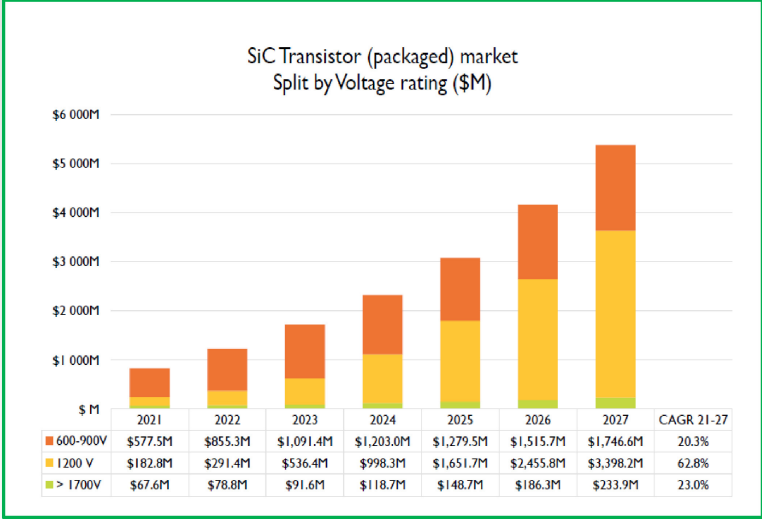
Odyssey Semiconductor is uniquely positioned as the premier company to address all of these needs due to our industry strongest vertical GaN intellectual property

THE MARKET IS ENORMOUS AND GROWING



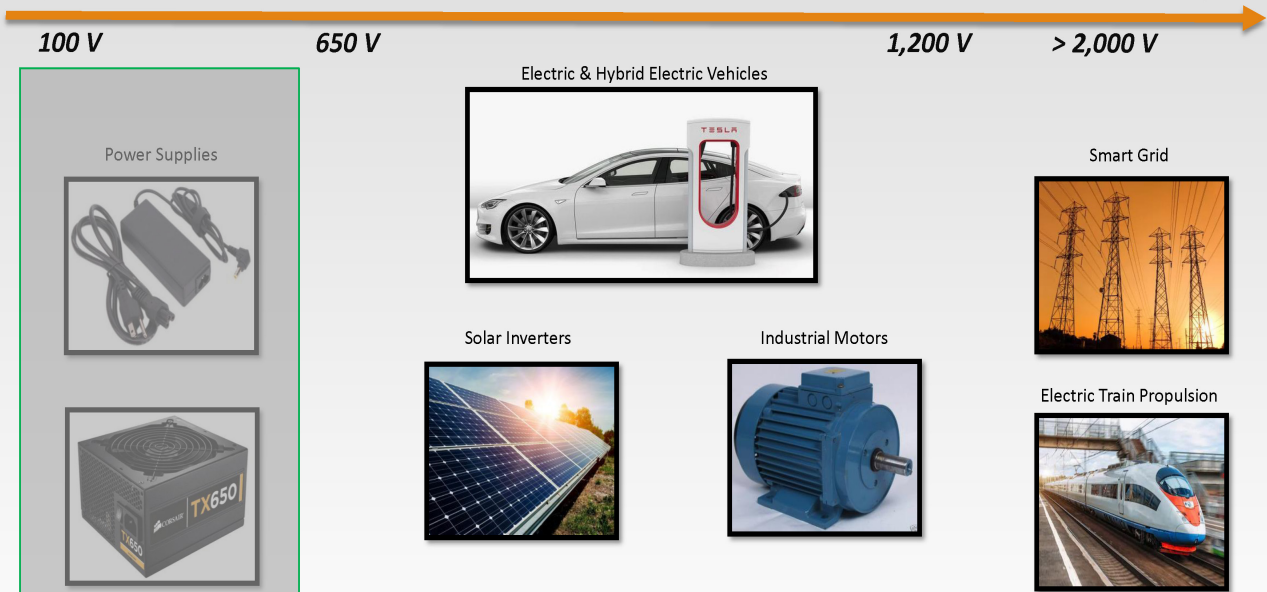
Odyssey will disrupt the 40% CAGR, \$5B+ silicon carbide market

Strong Growth in Addressable Markets 2021 to 2027
 600 to 900V: **+20% CAGR**
 1200V: **+63% CAGR**
 >1700V: **+23% CAGR**



Power SiC 2022 | www.yole.fr | ©2022

WE FOCUS ON HIGH VOLTAGE APPLICATIONS



Odyssey delivers dramatic energy savings over competition for industrial motors, electric vehicles, and renewable energy

HIGH VOLTAGE CONSERVES ENERGY



As operating voltages increase, energy efficiency improves
There are limited power converters at these higher voltages, which keeps prices high
THIS PRESENTS THE BREAKTHROUGH OPPORTUNITY FOR ODYSSEY

HIGH VOLTAGE VERTICAL GaN VS. SiC



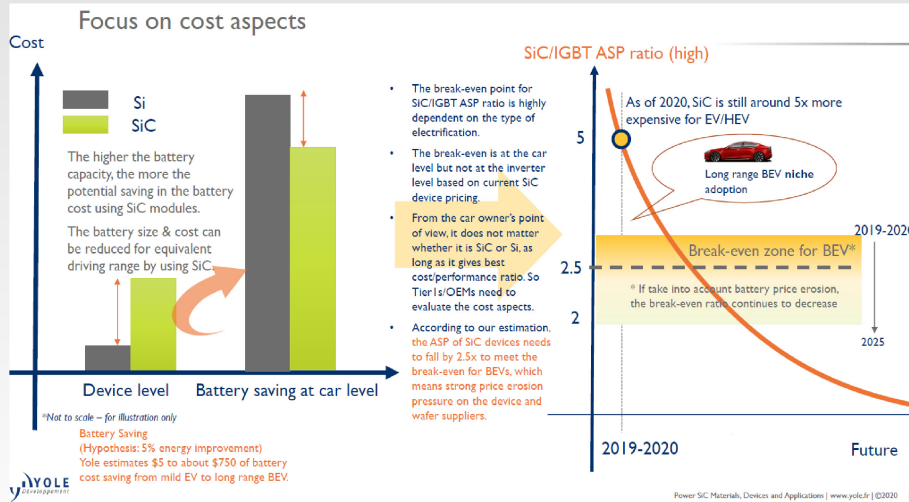
High-Voltage Vertical GaN Advantages vs. SiC		
Faster switching speeds	➔	Higher power density
10X Performance	➔	Higher energy savings
Smaller components	➔	Lower systems cost
Lower defect densities	➔	Higher reliability

Only Vertical GaN Takes Advantage Of The Material Property Benefits Vs. SiC

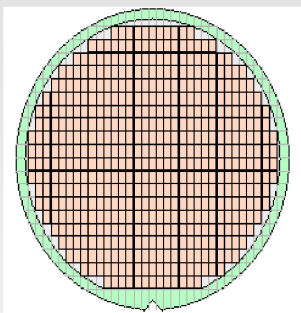
SILICON CARBIDE ECONOMICS FALL SHORT



Silicon Carbide prices need to erode 2.5x to meet EV economics

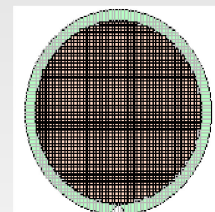


THE ECONOMICS FAVOR VERTICAL GaN



6" SiC Wafer
522 die

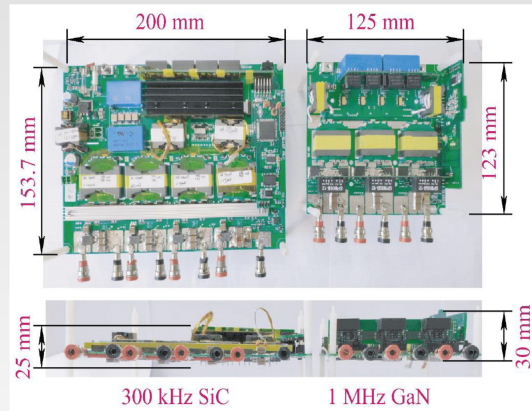
	SiC	Vertical GaN
Wafer Size	6"	4"
Product per wafer	522	2128
Wafer Cost	\$812	\$1500
Revenue per wafer	\$35,036	\$142,831



4" GaN Wafer
2128 die

4" Vertical GaN outproduces 6" SiC by 4x/wafer

WITH UNMATCHED PERFORMANCE



40% smaller solution | higher efficiency | same output power

ODYSSEY IS UNIQUELY POSITIONED IN VERTICAL GaN



We have the expertise across technology, marketing and manufacturing

We have protected our IP that makes Vertical GaN practical

We are developing two product lines to be commercialized:
650V and 1200V

Vertical GaN delivers higher performance with 1/10th the die area vs. SiC

WE OWN OUR PRODUCTION CAPABILITIES



Odyssey's device fabrication facility delivers innovation and will service production revenue

Target \$10 to 20 million annual revenue from Odyssey's fabrication facility

With our own foundry:

- We control our supply
- We innovate faster than competition



Odyssey's 10,000 sq. ft. wafer fabrication facility in Ithaca, NY

CUSTOMER ENGAGEMENT



We have prioritized and will deliver samples to customers in Q1 2023

We have narrowed to 3 initial customers with 3-5 additional customer sample requests to be supported later in Q1 2023

Fast Adoption Cycles

Ideal customers to scale new products

Ideal customers to scale established products

Sustained Adoption Cycles

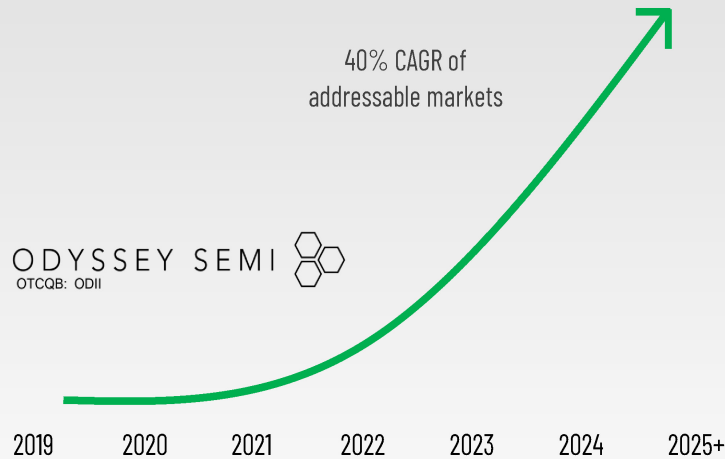
Initial Customer Focus
Ideal customers to develop new products

Ideal customers to scale established products

Technology Drivers

Fast Followers

ODII: THE EMERGING LEADER IN VERTICAL GaN



High growth megatrends of Electrification and Sustainability create market opportunity where silicon and silicon carbide cannot deliver

Vertical GaN delivers the performance and economics needed for continuous, high-margin growth

Odyssey Semi is uniquely positioned to capture significant market-share

Odyssey Semiconductor: Positioned for Long Term Growth

ODYSSEY SEMICONDUCTOR AT A GLANCE



OTCQB: ODII

Odyssey's proprietary technology is designed for GaN to replace SiC as the leading high-voltage power switching semiconductor material

Insiders and management own ~40% of total shares outstanding

Previous rounds of financing

August 2019 - \$2.9M @ \$1.50

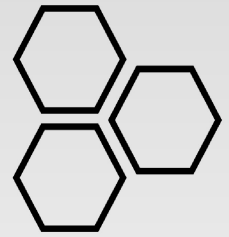
March 2021 - \$5M @ \$4.00

Bridge loan (convertible note) executed August 8, 2022 for \$1.25M

Shares outstanding at 3/31/22 - 12.7M

S-1 filed in 2022

ODYSSEY SEMI



THANK YOU

OTCQB: ODII

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