

Energy Savings & New Energy Markets Driving Added Growth



Navitas Semiconductor “Electrify Our World™”

*The Pure-Play, Next-Gen
Power Semiconductor Company*



May 2023

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This presentation includes “forward-looking statements” within the meaning of Section 21E of the Securities Exchange Act of 1934, as amended. Forward-looking statements may be identified by the use of words such as “we expect” or “are expected to be,” “estimate,” “plan,” “project,” “forecast,” “intend,” “anticipate,” “believe,” “seek,” or other similar expressions that predict or indicate future events or trends or that are not statements of historical matters. These forward-looking statements include, but are not limited to, statements regarding estimates and forecasts of other financial and performance metrics and projections of market opportunity and market share. These statements are based on various assumptions, whether or not identified in this presentation. These statements are also based on current expectations of our management and are not predictions of actual performance. Such forward-looking statements are provided for illustrative purposes only and are not intended to serve as, and must not be relied on by any investor as, a guarantee, an assurance, a prediction or a definitive statement of fact or probability. Actual events and circumstances are difficult or impossible to predict and will differ from assumptions and expectations. Many actual events and circumstances that affect performance are beyond our control. Forward-looking statements are subject to a number of risks and uncertainties, including the possibility that the expected growth of our business will not be realized, or will not be realized within expected time periods, due to, among other things, the failure to successfully integrate acquired businesses into our business and operational systems; the effect of acquisitions on customer and supplier relationships or the failure to retain and expand those relationships; the success or failure of other business development efforts; our financial condition and results of operations; our ability to accurately predict future revenues for the purpose of appropriately budgeting and adjusting our expenses; our ability to diversify our customer base and develop relationships in new markets; our ability to scale our technology into new markets and applications; our ability to realize our potential pipeline opportunities; the effects of competition on our business, including actions of competitors with an established presence and resources in markets we hope to penetrate, including silicon carbide markets; the level of demand in our customers’ end markets, both generally and with respect to successive generations of products or technology; our ability to attract, train and retain key qualified personnel; changes in government trade policies, including the imposition of tariffs; the impact of the COVID-19 pandemic on our business, results of operations and financial condition; the impact of the COVID-19 pandemic on the global economy, including but not limited to our supply chain and the supply chains of customers and suppliers; regulatory developments in the United States and foreign countries; and our ability to protect our intellectual property rights. These and other risk factors are discussed in the Risk Factors section beginning on p. 15 of our annual report on Form 10-K for the year ended December 31, 2022, which we filed with the Securities and Exchange Commission (the “SEC”) on April 3, 2022 and as thereafter amended, and in other documents we file with the SEC, including our quarterly reports on Form 10-Q. If any of these risks materialize or our assumptions prove incorrect, actual results could differ materially from the results implied by these forward-looking statements. There may be additional risks that we are not aware of or that we currently believe are immaterial that could also cause actual results to differ materially from those contained in the forward-looking statements. In addition, forward-looking statements reflect our expectations, plans or forecasts of future events and views as of the date of this presentation. We anticipate that subsequent events and developments will cause our assessments to change. However, while we may elect to update these forward-looking statements at some point in the future, we specifically disclaim any obligation to do so. These forward-looking statements should not be relied upon as representing our assessments as of any date subsequent to the date of this presentation.

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For further information with respect to our company, we refer you to our most recent annual report on Form 10-K and our most recent quarterly report on Form 10-Q, filed with the SEC. In addition, we are subject to the information and reporting requirements of the Securities Exchange Act of 1934, as amended, and, accordingly, we file periodic reports, current reports, proxy statements and other information with the SEC. These periodic reports, current reports, proxy statements and other information are available for review at the SEC’s website at <http://www.sec.gov>.

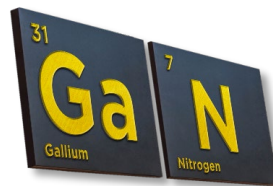
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This presentation shall not constitute an offer to sell or the solicitation of an offer to buy any securities of Navitas Semiconductor.



The Pure-Play,
Next-Gen Power
Semiconductor
Company

Decade of Disruptive Changes in Technology Displacement & New Energy Markets



Up to
20x

Faster
Switching⁽¹⁾

Up to
3x

Smaller &
Lighter⁽¹⁾

Up to
40%

Energy
Savings⁽¹⁾

Up to
3x

Higher
Power Density⁽¹⁾

Up to
3x

Faster
Charging⁽¹⁾

Up to
25%

Lower
System Cost⁽²⁾

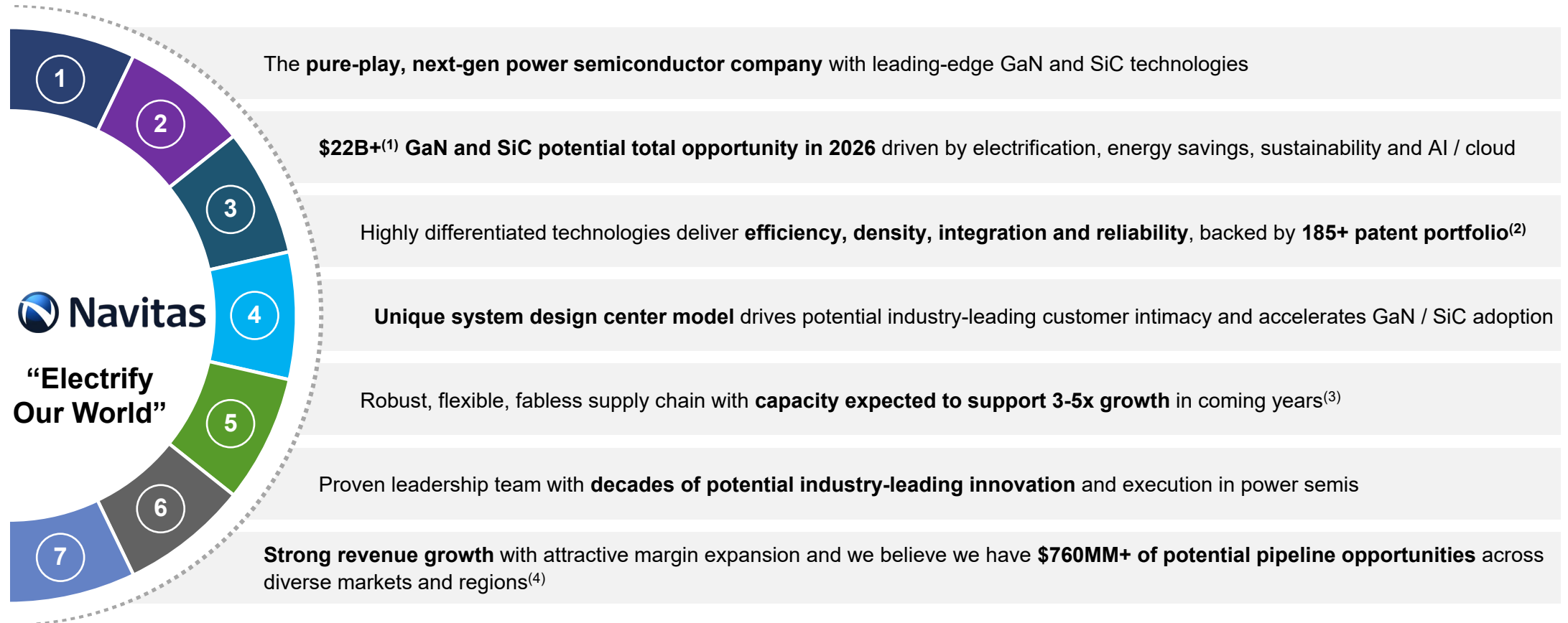


**GaN and SiC Replacing Si in
Next-Gen Power Applications**

Notes:

1. Statistical data is based on Navitas estimates of GaN-based systems compared to Si-based estimates in the 2024-2025 timeframe. Based on Navitas measurements of select GaN-based mobile wall chargers compared to Si-based chargers with similar output power, incl. 2019 study of 65W fast chargers, 2022 customer statement re 2.7 kW data center AC-DC
2. Navitas estimates based on customer feedback as the expected system cost saving overtime as of April 2023

Investment Highlights



Notes:

1. Based on internal company estimates, Navitas believes that the potential market opportunity in 2026 is \$22B+ for GaN and SiC, replacing certain of the silicon market share
2. Issued or pending, as of Q1 2023
3. 3x refers to TSMC's internal commitment to expand GaN fab capacity by 3.27x following 2020. 5x refers to Navitas' expectations based on XFAB's communicated expansion plans and binding capacity reservations for EPI services.
4. Pipeline opportunities reflects estimated potential future business based on interest expressed by potential customers

Decade of Disruptive Changes in Technology Displacement & New Energy Markets

World's Need for Efficient Power Rapidly Changing

Data Growth and Climate Change are Driving a Long-term Secular Need for GaN and SiC



Connectivity / AI

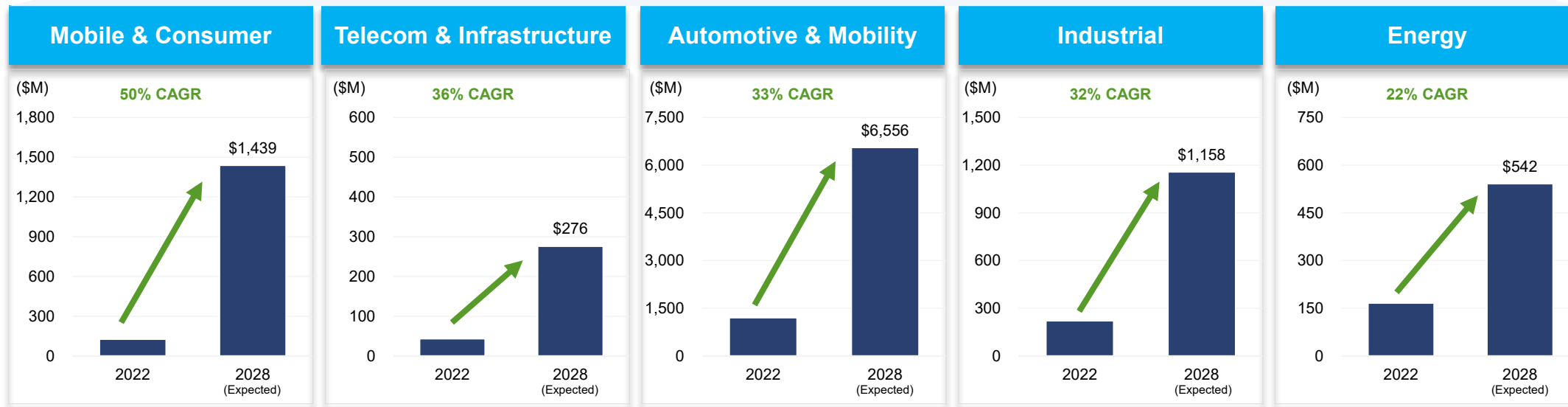


Electrification



Sustainability

Power GaN and SiC
Device Market Size



Tomorrow's Power Requirements Demand Faster Delivery, Less Weight and Greater Efficiency

Source: Power SiC/GaN Compound Semiconductor Market Monitor, Q1 2023, Yole Intelligence

GaN and SiC Are Key To Efficient Electrification...



Electricity Must Be Converted Efficiently For Many Use Cases



Energy Sources

Renewable Sources Rapidly Replacing Fossil Fuels

Power Converted for Specific Applications



Energy Uses

Energy Savings and New Energy Markets Driving Added Growth

\$22B+⁽¹⁾

2026E GaN and SiC Potential Total Opportunity Driven by Electrification, Energy Savings, Sustainability and AI / Cloud



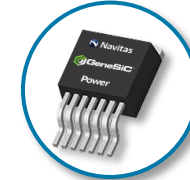
GaN / SiC Technology Enables Efficient Power Conversion

Significant Impact on System Efficiency...

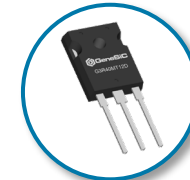


System Benefits from GaN / SiC Power Semiconductors

FASTER CHARGING



SMALLER & LIGHTER SYSTEMS



ENERGY SAVINGS

HIGHER POWER DENSITY

GREATER RELIABILITY

LOWER SYSTEM COST

... Amid A Broader Shift To Advanced Technology

Legacy silicon technology is being displaced by GaN and SiC in power semiconductors



Silicon

3x

Faster Charging⁽²⁾



Gallium Nitride (GaN)



Silicon Carbide (SiC)

Notes:




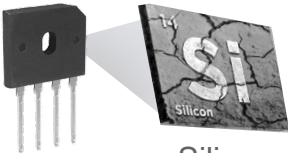






1. Based on internal company estimates, Navitas believes that the potential market opportunity in 2026 is \$22B+ for GaN and SiC, replacing certain of the silicon market share
2. Navitas estimate of GaN & SiC-based power systems compared to silicon-based power systems as of April 2023

...And Navitas is Leading A New Era of Power Efficiency

Advanced Technologies Unlocking A New Generation of Performance and Applications

YESTERDAY

TODAY

 <p>Superior Technology is Revolutionizing Power Efficiency</p>	 <p>Semiconductor Technology</p>  <p>End Markets</p>	 <p>Silicon</p> <p>Si-Based MOSFETs & Diodes Low-Voltage: DC-DC Converters, PMICs, Point-of-Load</p>	 <p>Gallium Nitride (GaN)</p> <p>⚡ Lower Power</p> 	 <p>Silicon Carbide (SiC)</p> <p>⚡⚡⚡ Higher Power</p> 
 <p>Navitas Well-positioned for Leadership in an Estimated \$22B⁺⁽¹⁾ GaN and SiC Potential Total Opportunity by 2026</p>	 <p>Unique Advantages and Achievements</p>	<p><i>Slower Charging</i></p> <p><i>Heavy / Large Components</i></p> <p><i>Unreliable Performance</i></p> <p><i>Higher TCO</i></p> <p><i>Energy Loss / Waste</i></p>	<p>GaNFast™</p> <ul style="list-style-type: none"> Integrated solution providing high speed, efficiency, and stability 75+ million GaN units shipped since 2018 to date with 90%+ yields⁽²⁾ 6-16 week typical lead-times to forecasted customers with 3x GaN capacity expansion starting in 2023⁽³⁾ 	<p>GeneSiC™</p> <ul style="list-style-type: none"> Broad industry offering of SiC FET with fast, cool and rugged performance 10+ million SiC units shipped since 2015 to date with 90%+ yields⁽²⁾ 16-26 week typical lead-times to forecasted customers with 5x SiC capacity expansion starting in 2023⁽⁴⁾ <p>Unique system design center model drives potential industry-leading customer intimacy and accelerates GaN / SiC adoption</p>

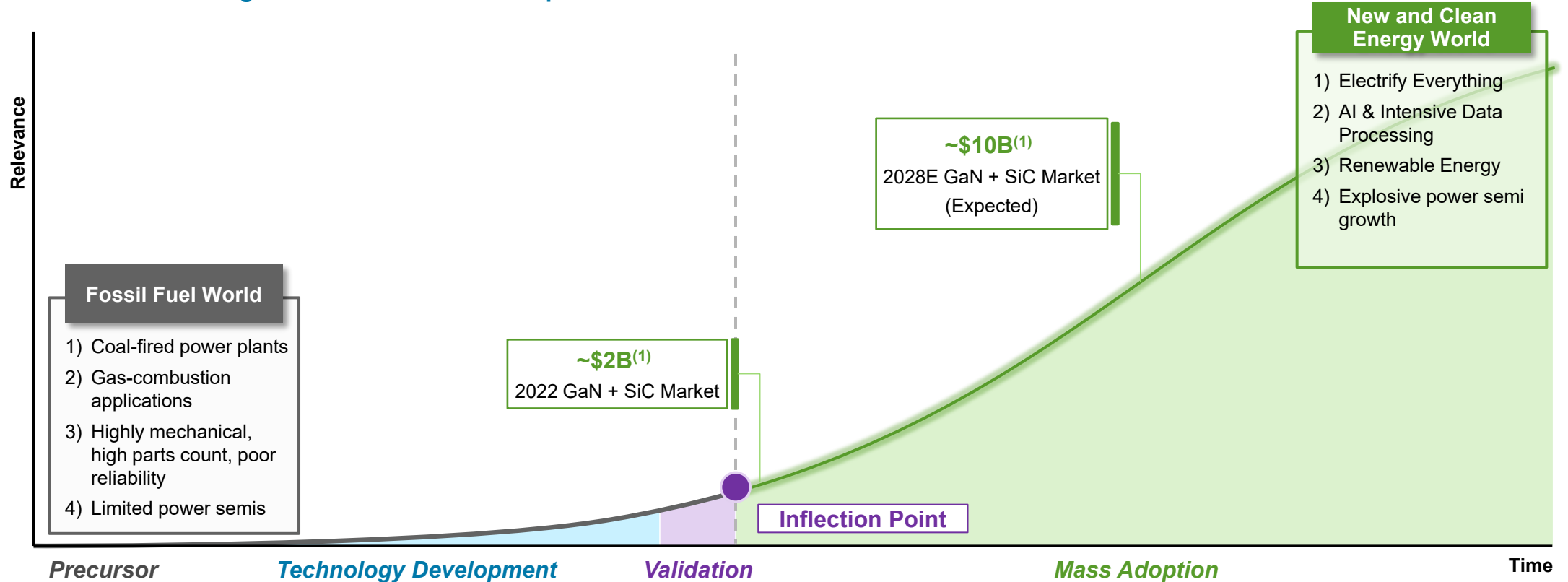
Notes:

1. Based on internal company estimates, Navitas believes that the potential market opportunity in 2026 is \$22B+ for GaN and SiC, replacing certain of the silicon market share
2. Representing the % of the units tested in production at final test that pass all electrical requirements from 2022 to 2023 for SiC and 2022 for GaN
3. 3x refers to TSMC's internal commitment to expand GaN fab capacity by 3.27x following 2020
4. 5x refers to Navitas' expectations based on XFAB's communicated expansion plans and binding capacity reservations for EPI services

Decade of Disruptive Changes in Technology Displacement & New Energy Markets

Compound Semis Entering Mass Market Adoption Phase

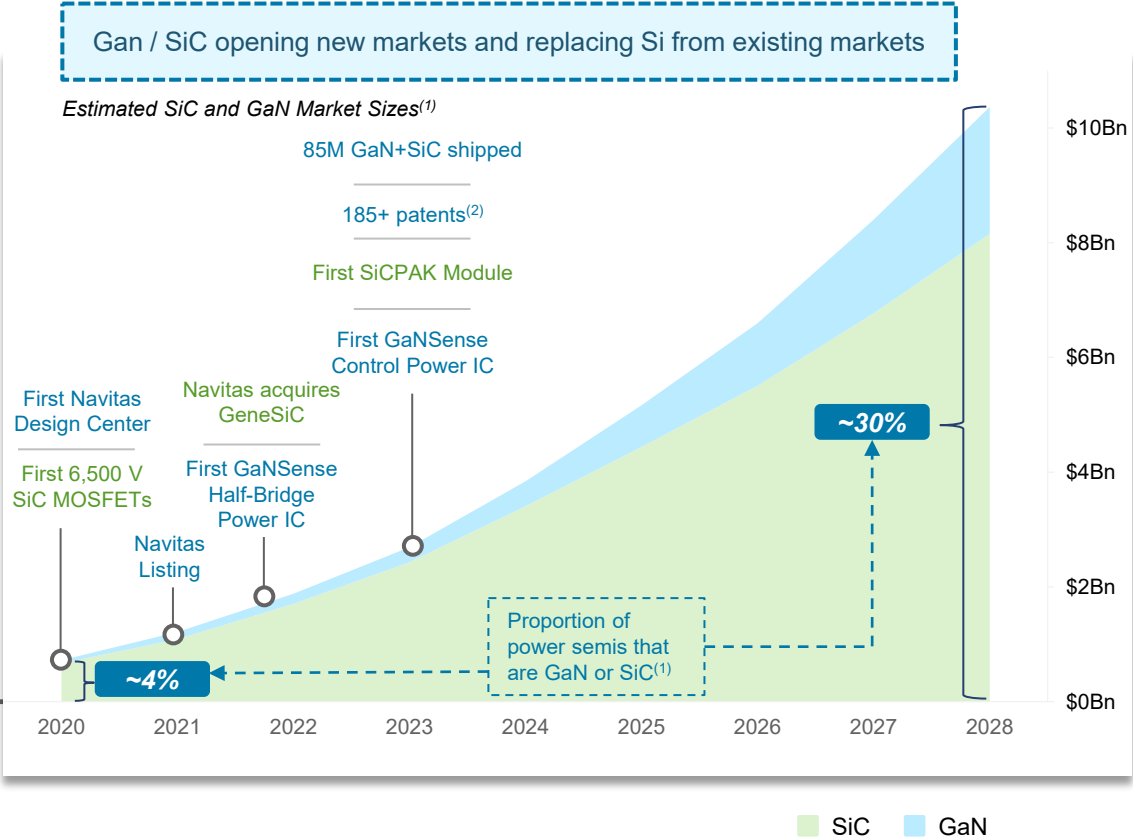
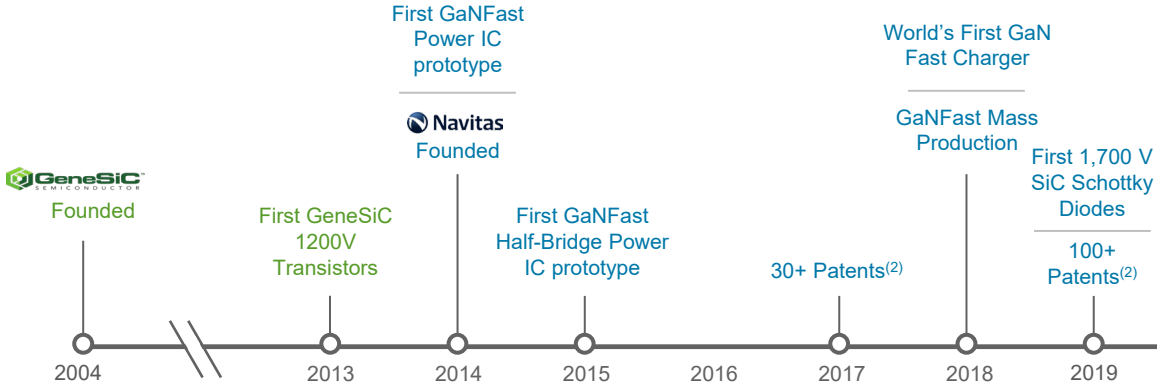
The Cost + Technological Inflection Point of Adoption and Growth



Source: Power SiC/GaN Compound Semiconductor Market Monitor, Q1 2023, Yole Intelligence

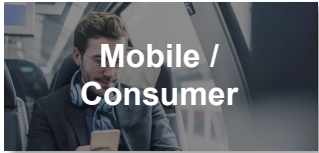




The Time Is Now For Navitas

Navitas empowering the electrification of the world



Notes:
1. Estimated based on Power SiC/GaN Compound Semiconductor Market Monitor, Q1 2023, Yole Intelligence
2. Granted or pending

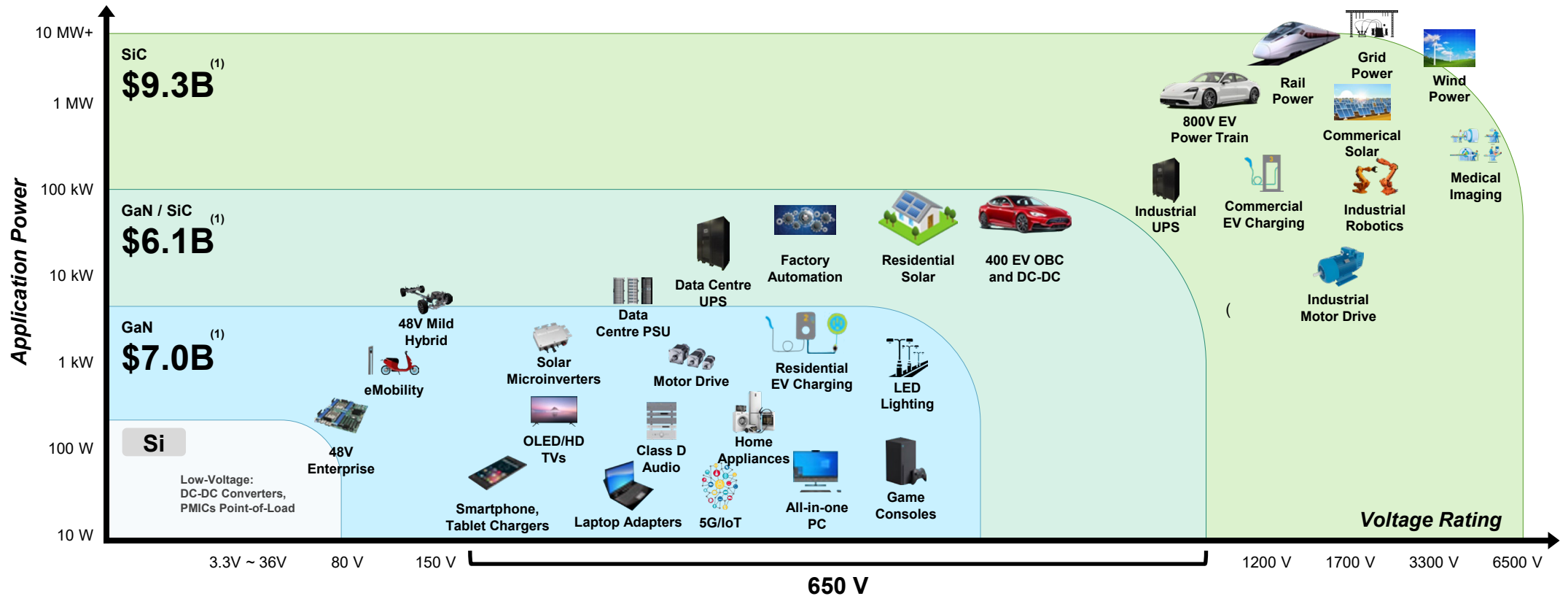
Demand for More Efficient, Fast and Low-Cost Power Solutions Accelerates GaN and SiC Adoption

	Silicon Solutions Pain Points		GaN / SiC Value Drivers ⁽¹⁾		
	Demand for higher power with fast charging	➤	Up to 3x Faster Charging ⁽²⁾	Up to 3x More Power ⁽²⁾	50% Size & Weight ⁽²⁾
	Demand for higher & more efficient power	➤	+9% Efficiency ⁽⁴⁾		
	Demand for energy savings & lower cost	➤	~25% Estimated Cost Reduction ⁽³⁾		
	Demand for higher efficiency	➤	>70% Energy Savings		
	Demand for faster charging, extended range and lower cost	➤	Up to 3x Faster Charging ⁽²⁾	10%+ More Range	

Notes:

1. Navitas estimates based on GaN and SiC performance metrics (unless otherwise noted)
2. Compared to silicon chargers with the same output power
3. Navitas estimate based on customer feedback as the expected system cost saving overtime
4. Navitas estimate based on underlying survey conducted by the company


































\$22B+⁽¹⁾ GaN and SiC 'Pure-Play' Potential Opportunity Expected By 2026



Notes: Axes not to scale

1. Based on internal company estimates, Navitas believes that the potential market opportunity in 2026 is \$22B+ for GaN and SiC, replacing certain of the silicon market share

Well-Positioned for Rapid Multi-market Expansion

Mobile / Consumer	EV / eMobility	Solar / Energy Storage Systems	Appliance / Industrial	Data Center
				
<p>Top 5/5 smartphone OEMs and top 5/5 notebook OEMs in development or production⁽¹⁾</p> <p>20 new fast & ultra-fast mobile chargers launched in Q1; 150 project opportunities in development</p> <div>   </div> <div>   </div> <div>   </div>	<p>Tier-1 customers and engagements⁽¹⁾</p> <p>25 on-board and roadside project opportunities</p> <div>    </div> <div>    </div> <div>    </div>	<p>Majority of top 10 OEMs engaged⁽¹⁾</p> <p>35 major project opportunities in production or development</p> <div>    </div> <div>   </div> <div>   </div>	<p>Top 7/10 OEMs engaged⁽²⁾</p> <p>45+ project opportunities in production or development</p> <div>  </div>	<p>Tier-1 PSU ODMs in development⁽¹⁾</p> <p>15 project opportunities expected to ramp in 2023/24</p> <div> <p>Power System Engagements</p>    </div> <div> <p>End Customer Targets</p>    </div>
<p>Potential Navitas Pipeline Opportunity⁽³⁾ \$100M+⁽⁴⁾</p>	<p>\$300M+⁽⁴⁾</p>	<p>\$150M+⁽⁴⁾</p>	<p>\$150M+⁽⁴⁾</p>	<p>\$60M+⁽⁴⁾</p>

Notes:

- Based on internal Navitas estimates of top OEMs in each respective market and their existing customer engagements
- Based on internal Navitas estimates of who they believe to be top OEMs in the appliance/industrial segment
- "Pipeline opportunity" reflects estimated potential future business based on interest expressed by potential customers for qualified programs, stated in terms of estimated revenue that may be realized in one or more future periods. Pipeline opportunity is not a proxy for backlog or future revenue or other measure or indicator of financial performance. Rather, Navitas uses customer pipeline as a statistical metric to indicate relative changes in future potential business across various product markets. Time horizons vary accordingly, based on product type and application. Actual business realized depends on ultimate customer selection, program share and other factors
- Based on Navitas internal estimates for potential customer revenue across GaN or SiC in the market stated

GaN Revolutionizes Fast Charging For Mobile Devices

Charge 3x Faster in Half the Size and Weight⁽¹⁾

Before

Hours of Charge Time



Today

9 min 30 sec Charge Time⁽³⁾



260

Chargers In Mass Production⁽²⁾

150

Chargers In Development⁽²⁾

Notes:

1. Compared to silicon chargers with the same output power
2. As of 5/15/2023
3. Realme GT3 with 240W charger



Design Wins with Tier 1 Mobile/Consumer OEMs Prove Our Technology

Tier 1 OEMs



260

GaN Chargers
Mass Production⁽¹⁾

150

GaN Chargers
In Development⁽¹⁾

Aftermarket Examples



100%

Top 5/5 Smartphone OEMs and Top 5/5
Notebook OEMs Designing
With Navitas⁽²⁾

75M+

GaN ICs Shipped⁽¹⁾

Notes:

1. As of 5/15/2023

2. Based on internal Navitas estimates of top mobile OEMs and their existing customer engagements

Market Opportunities in Pure-Play EV

>\$11B/year Opportunity in 2030⁽¹⁾

(On-board >\$9B/yr⁽¹⁾ + Roadside >\$1B/yr⁽¹⁾)

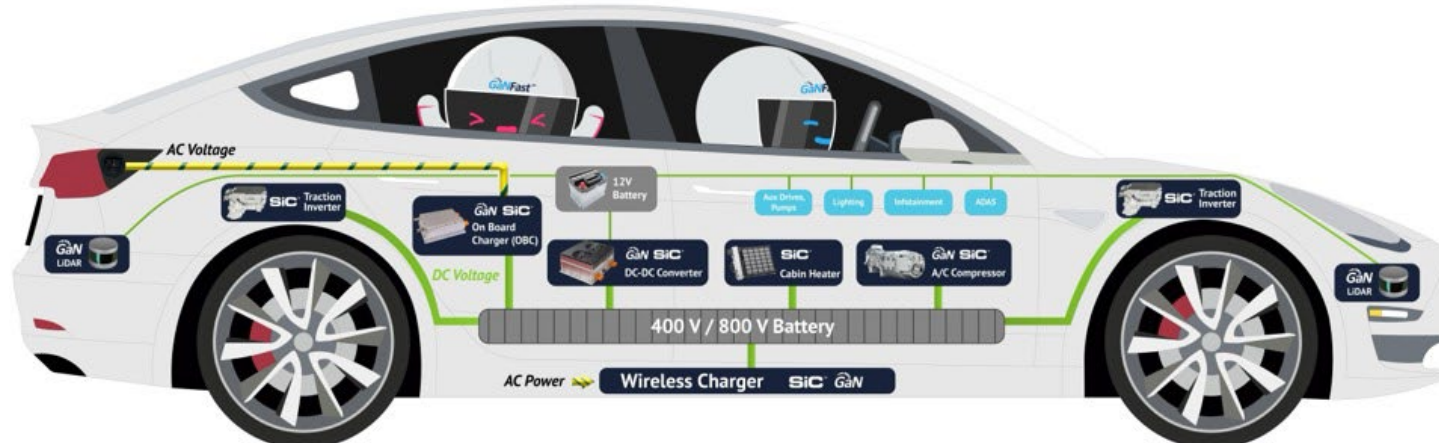
Immediate SiC revenue, GaN revenue from 2025

Navitas EV System Design Center

- 5 platforms, for 10 pipeline opportunities⁽³⁾, including:
- 400V, 800V and 6.6–22 kW, bi-di charger (2-in-1), bi-di + DC-DC (3-in-1)

Navitas + Geely Joint EV Design Center

Customers in Production, Engagement⁽⁴⁾



"10–80% charge in only 18 minutes!"⁽²⁾

Notes:

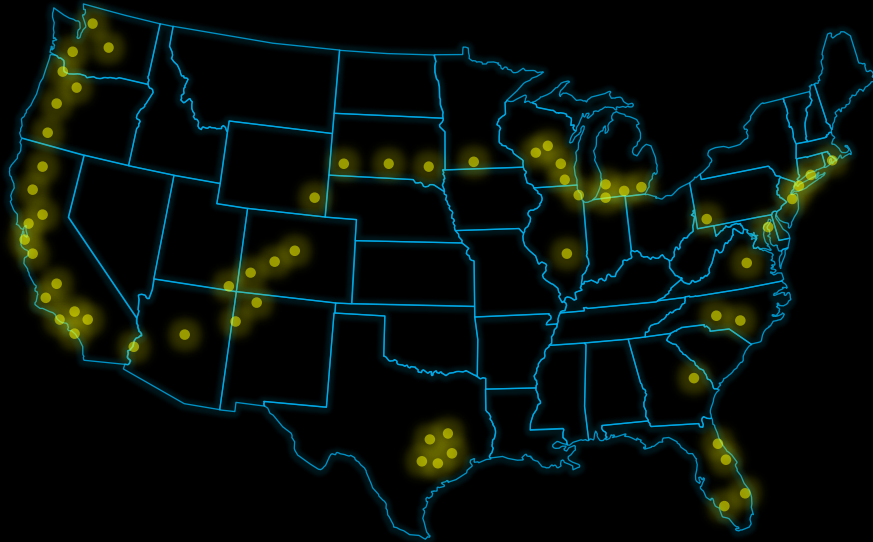
1. Company internal estimate 2030, 30M EV/yr, based on DNV and Navitas analysis. Note: Assumes 150 kW traction inverter, 100 kWh battery, \$100/kWh battery cost and typical 230 mile range.
2. Level 3 800V 350 kW DC charger 10–80% in 18 minutes for Genesis GV70 SUV.
3. This reflects estimated potential future business based on interest expressed by potential customers for qualified programs, stated in terms of estimated revenue that may be realized in one or more future periods. Pipeline opportunity is not a proxy for backlog or future revenue or other measure or indicator of financial performance. Rather, Navitas uses customer pipeline as a statistical metric to indicate relative changes in future potential business across various product markets. Time horizons vary accordingly, based on product type and application. Actual business realized depends on ultimate customer selection, program share and other factors
4. Represent select potential customers Navitas is in discussions with currently. Representative logos do not indicate binding long-term agreements with any of the companies

Fast EV Chargers Have Created An All New SiC Market

EV Charger Adoption⁽¹⁾

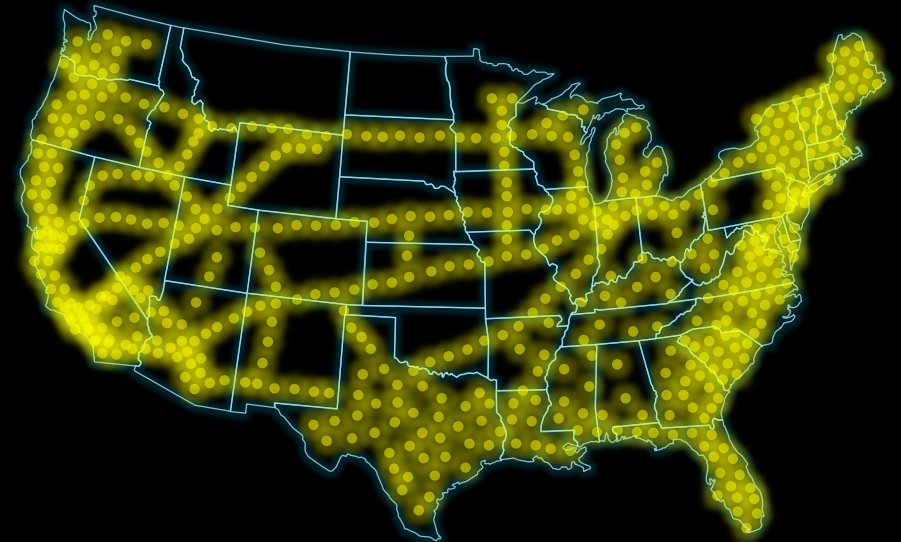
Before

<2K Fast EV Chargers⁽²⁾



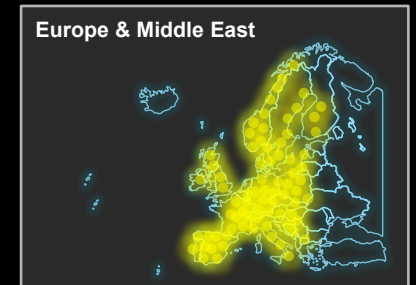
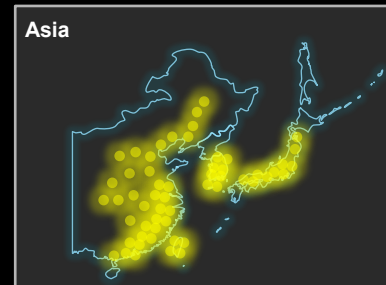
Today

20K+ Fast EV Chargers⁽³⁾

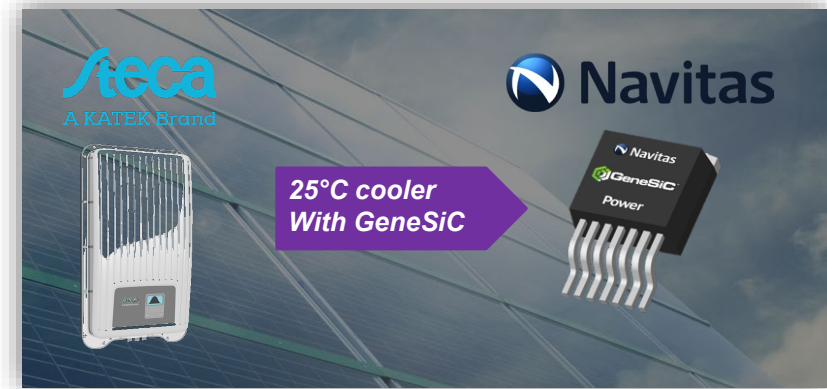
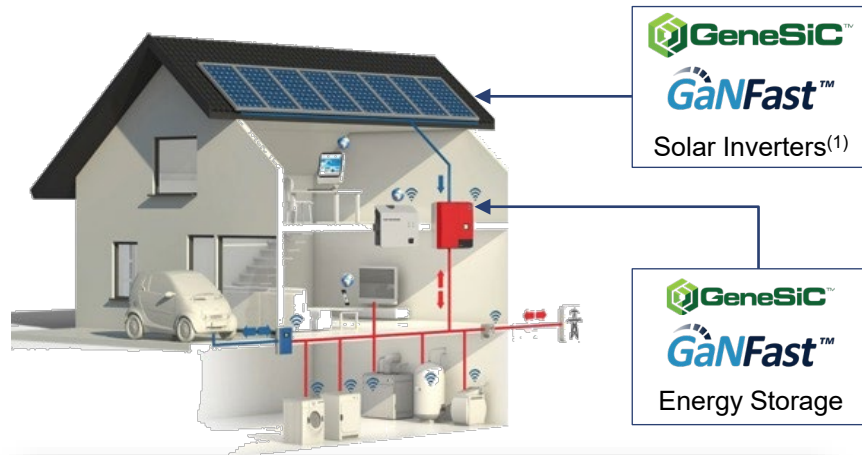


Notes:

1. Charger locations are illustrative; Fast EV chargers include AC 43 kW chargers, DC chargers, Tesla Superchargers and inductive chargers
2. Number of publicly available fast electric vehicle chargers (EVSE) in the United States in 2013 (in units) from Statista
3. Number of publicly available fast electric vehicle chargers (EVSE) in the United States in 2021 (in units) from Statista



Market Opportunities in Solar & Energy Storage



Notes:

1. Navitas est. 6.2 kW residential installation with silicon inverter at 97.5%, GaN at 98.5% efficiency
2. Based on internal Navitas estimates of the market potential by 2030.
3. Represent select potential customers Navitas is in discussions with currently. Representative logos do not indicate binding long-term agreements with any of the companies
4. Based on discussions with Navitas customers

>\$4.65B

Market Potential for GaN and SiC ⁽²⁾

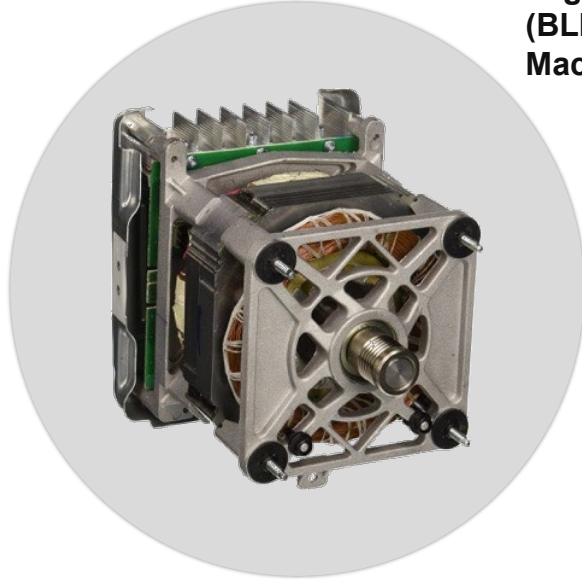
35 Customers in Production, Engagement⁽³⁾



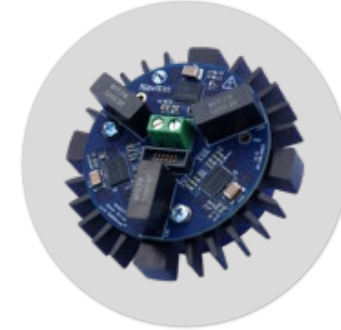
Navitas Strength & Potential Opportunities

- Solar up an estimated 3x 2022–2027, more capacity than natural gas by 2026, coal by 2027
- Inflation Reduction Act: >\$50B to solar, storage and wind ⁽⁴⁾
- Navitas estimates that bus voltages will rise to 1,500V – matches GeneSiC 3,300V capability
- Immediate SiC revenue, GaN revenue starting from 2024

Market Opportunities in Appliance & Industrial



Legacy Si-Based Brush-less DC (BLDC) Motor & Inverter for Washing Machine (~80% efficiency)



Navitas 400W 3-phase Platform for Inverter-Motor Integration

- 2x higher frequency
- >60% fewer components, PCB area
- 95–97% efficiency
- 80% energy savings vs Silicon BLDC
- 90% energy savings vs AC motors
- High reliability
- Fast time to market

>\$1.5Bn/Yr Opportunity for 50–750W Motors⁽¹⁾

- **Engaged with 7 of top 10 home appliance manufacturers worldwide⁽²⁾**
 - Includes energy efficiency upgrades to washers, dryers, refrigerators, cooking appliances, floor care, hair care, HVAC, and heat pumps
- **45 new motor-drive pipeline opportunities (GaN+SiC)⁽³⁾**
- **Inflation Reduction Act: \$9B to upgrade US home appliance efficiencies**

Notes:

1. Navitas estimate (for NY Investor Day 9-13-22) 50-750W motors, including circulators, hydronic pumps, aircon IDU/ODU fans, HVAC, air purifiers, hair dryers, refrigerator compressors, dishwashers, washing machines, and \$/unit for GaN power ICs
2. Based on internal Navitas estimates of who they believe to be the 7 of top 10 global home appliance manufacturers
3. This reflects estimated potential future business based on interest expressed by potential customers for qualified programs, stated in terms of estimated revenue that may be realized in one or more future periods. Pipeline opportunity is not a proxy for backlog or future revenue or other measure or indicator of financial performance. Rather, Navitas uses customer pipeline as a statistical metric to indicate relative changes in future potential business across various product markets. Time horizons vary accordingly, based on product type and application. Actual business realized depends on ultimate customer selection, program share and other factors

Market Opportunities in Data Center

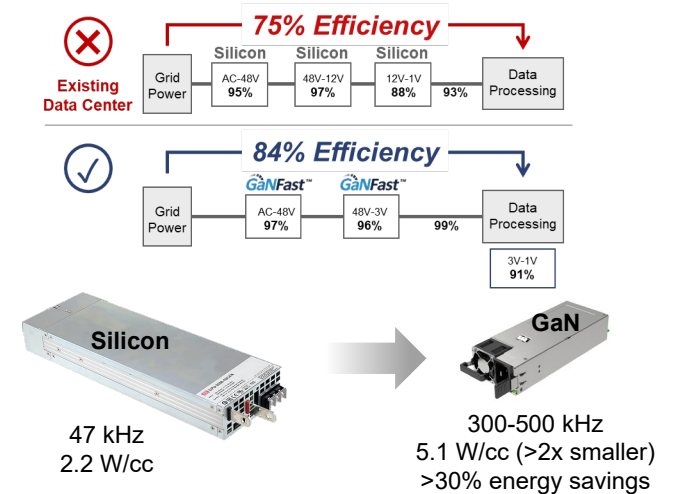
Market Potential

- **Power/size needs:** AI power up 2x-3x per rack, to 100kW+⁽¹⁾. GaN saves 2x size and lower system cost than silicon⁽²⁾
- **Efficiency needs:** GaN can reduce electricity use by up to 10%, save >15 TWh or \$1.9B/yr⁽³⁾
- **Legislation drive:** EU 'Titanium plus' efficiency standard in force⁽⁴⁾
- **Privacy concerns, edge traffic:** drive private / localized data centers



Navitas Developments

- **15 pipeline opportunities⁽⁵⁾** currently in development (1.3-3.2 kW)
- **\$60M** potential pipeline opportunities, initial revenue ramp late 2023⁽⁵⁾
- **SiC (1,700-3,300 V):**
 - 480 VAC 3-ph to 400 V UPS / ESS
 - 220 VAC / 400 V PDU to racks
- **GaN (700, 150 V) for AC-DC and 48 V**



Power System Engagements



End Customer Targets



Notes:

1. TD Cowen, per "AI to drive data center investments", LightReading.com, 4-26-23
2. Navitas estimate based on Navitas Design Center 2.7 kW CRPS GaN vs 3.2 kW silicon AC-DC. Cost statement per Navitas customer
3. European Union 'Directive 2009/125/EC, 2019 Annex', power supplies must be >96% efficiency peak, as of 1-1-23
4. Navitas estimate based on a) Navitas server/datacom forecast & AAAS data, b) \$0.12/kWhr, c) Si vs. GaN \$/W and d) D/C loading profile. Known Si solutions to deliver >500A next-gen processors vs Navitas targets for new GaN-based AC/DC and DC/DC
5. Pipeline opportunity" reflects estimated potential future business based on interest expressed by potential customers for qualified programs, stated in terms of estimated revenue that may be realized in one or more future periods. Pipeline opportunity is not a proxy for backlog or future revenue or other measure or indicator of financial performance. Rather, Navitas uses customer pipeline as a statistical metric to indicate relative changes in future potential business across various product markets. Time horizons vary accordingly, based on product type and application. Actual business realized depends on ultimate customer selection, program share and other factors

A Potential Market Leading Product Portfolio in GaN...

High Voltage Integrated GaN Circuits

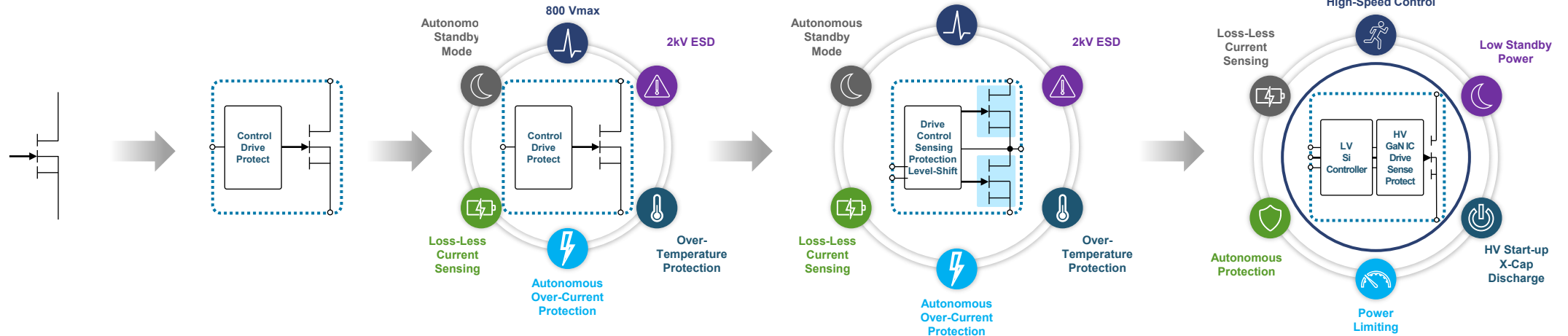
**Discrete
GaN**

GaNFast™

GaNSense™

**GaNSense
Half-Bridge**

**GaNSense
Control**



- Vulnerable
- Difficult to use
- Unknown reliability

- ✓ Robust
- ✓ Easy to use
- ✓ Proven reliability

GaNFast plus:

- ✓ Autonomous protection
- ✓ Loss-less current sensing

GaNSense plus:

- ✓ Integrated HS, LS, level-shift isolation
- ✓ Complete protection

GaNSense plus:

- ✓ LV silicon system controller
- ✓ Fewest components

Efficiency

Reliability

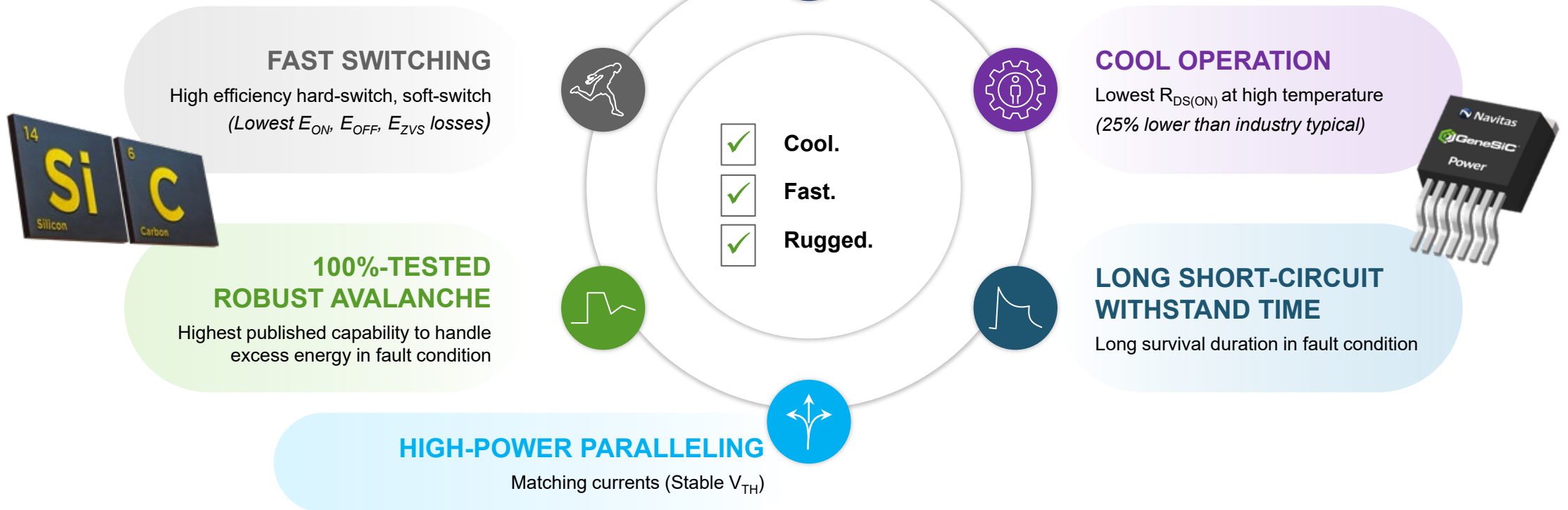
Speed

Integration

Note: Based on Navitas estimates on functionality

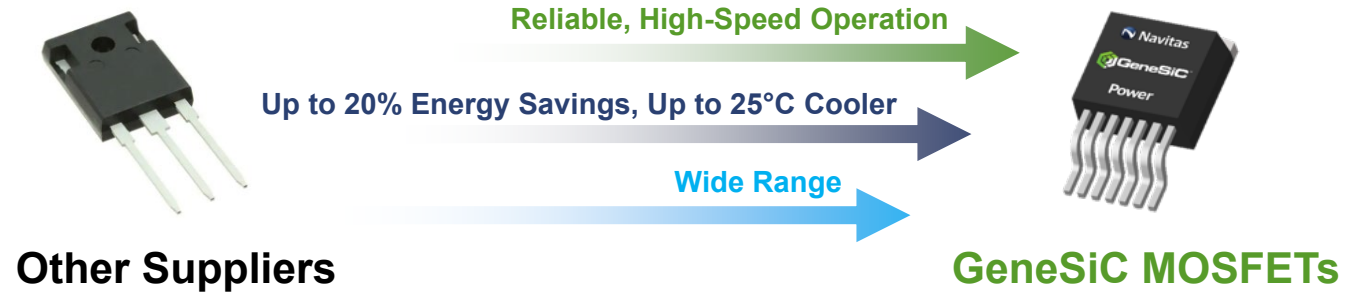
...and Critical Technology Advantages in SiC

Potential Industry-leading High-temperature / In-circuit Performance and Robustness



Notes: Based on Navitas testing of 1200V SiC MOSFETs vs. competitor products

GeneSiC MOSFETs Offer Leading High-temperature, In-circuit Performance with Strong Robustness



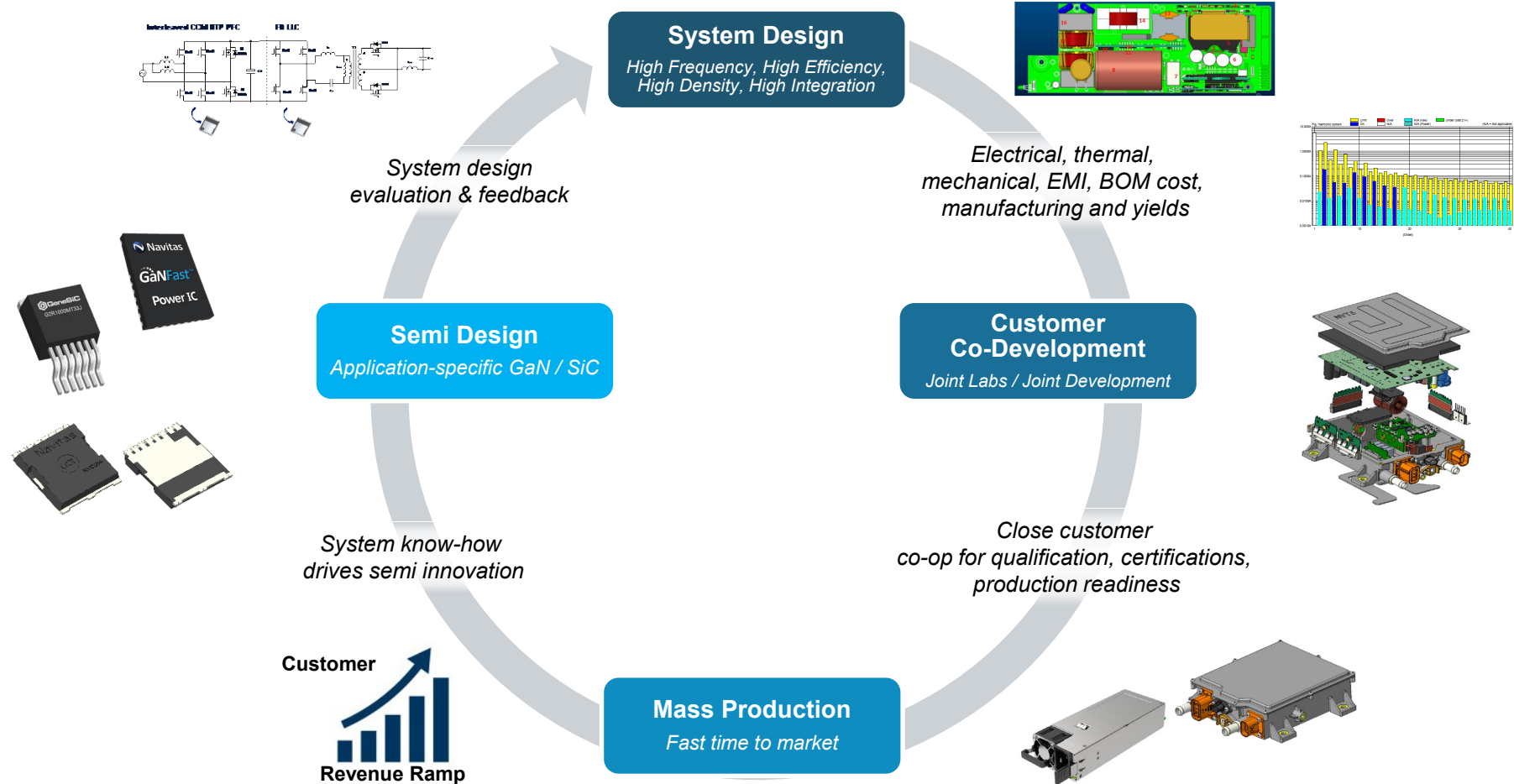
Voltage Range⁽¹⁾	Up to 3,300 V	2x, up to 6,500 V
Proprietary Technology (manufacturing, performance, reliability)	Planar or Trench (trade-offs)	Trench-Assisted Planar (no compromise)
High-Temperature Reliability⁽²⁾	1x	3x
Robustness⁽³⁾	1x	3x
Energy Savings⁽⁴⁾	-	+20%

Notes:

1. Navitas survey of competitor portfolio August 2022.
2. Navitas application test: 1,200V, 40 mOhm, D2PAK SiC MOSFET, competition vs. Navitas G3R40MT12J at 150 kHz, 7,500 W half-bridge. 25°C cooler equates to 3x longer expected lifetime
3. Navitas 100%-tested avalanche rating vs published competition data
4. Navitas G3R40MT12J vs competitor survey (datasheet comparison and measured data), 20% lower high-temperature on-resistance

Unique System Design Centers

Accelerates Application-Specific Semi Innovations and GaN / SiC Customer Adoption



Navitas' Competitive Edge



Key Patents in GaN and SiC

185+ Patents issued or pending encompassing key aspects of GaN power circuitry, analog and digital integration, and SiC device design⁽¹⁾

Proprietary Design Process

Led by pioneers in SiC and GaN, the Navitas team has a proprietary in-house design process

Rate of Innovation

Rapid design process and rate of commercialization create customer value and outpace competitors

Historically, new generation released every 12-15 months

Notes:

1. Issued or pending, as of Q1 2023

Capital Efficient and Flexible Supply Chain

3-5x Capacity Increases Enable Significant Revenue Potential



Tier-1, Low-Cost Packaging
Multiple, major suppliers qualified

Finished Wafer

Tier-1, Low-Cost Foundry
TSMC Fab 2 (6", 0.35um CMOS) old, under-utilized, low-cost fabs available

GaN Epi Layer
Multi-sourced reactors, scalable, low CapEx

Low-cost, Si wafer
"GaN-on-Si" technology

GaNFast Power ICs



Tier-1, Low-Cost Packaging
Multiple, major suppliers qualified

Finished SiC Wafer

Tier-1, Low-Cost Foundry

- Automotive-rated Class-10
- 6" (150mm) Wafers
- 25K wafers/month capacity
- Fully-Automated CMOS Production

SiC Epi Layer
Multi-sourced reactors, scalable, highest-quality epi

SiC wafer Substrate
Multi-sourced, established suppliers

Leading SiC Devices

90%⁽¹⁾⁽²⁾
Yields

75M+⁽¹⁾
shipped

3x⁽³⁾
capacity increase in
CY23

6-16⁽¹⁾
Weeks typical
lead-times to
forecasted customers

90%+⁽¹⁾⁽²⁾
yields

12+⁽¹⁾
combinations of
substrate, epi and
foundry qualified

5x⁽⁴⁾
capacity agreement
signed starting CY23

16-26⁽¹⁾
Weeks typical
lead-times to
forecasted customers

Notes:

1. As of 5/15/2023, 75+ million GaN units shipped since 2018 to date
2. Representing the % of the units tested in production at final test that pass all electrical requirements from 2022 to 2023 for SiC and 2022 for GaN
3. 3x refers to TSMC's internal commitment to expand GaN fab capacity by 3.27x following 2020
4. 5x refers to Navitas' expectations based on XFAB's communicated expansion plans and binding capacity reservations for EPI services

Leader in Sustainability⁽¹⁾



February '22 First GaN sustainability report based on global standards.

Every **GaNFast™** IC
saves
4 kg CO₂



4x-10x lower component CO₂ footprint than silicon

28% lower lifetime CO₂ footprint for chargers / adapters

Accelerates transition from ICE to EV by **3 years**,
saving **20%/yr** of road-sector emissions by 2050

GaN + SiC offers the potential to save up to
2.6 Gton / year by 2050



May '22 World's first semiconductor company
CarbonNeutral® certified



August '22 First 100,000 tons CO₂ saved



October '22 Recognized for industry-leading sustainability
reporting

Notes:

1. Navitas estimates based on Earth-Shift Global, DNV life-cycle analysis, market growth. See 2021 Sustainability Report for more details

World-class GaN and SiC Experts Leading the Revolution

Tenured Leadership With Over \$4Bn Power Semiconductor Revenue Generated and Decades of Combined Experience

3 of 4 Navitas Founders Have Worked Closely Together For Over 30 Years



Gene Sheridan
Co-Founder
& CEO



Dan Kinzer
Co-Founder & CTO /
COO



Jason Zhang
Co-Founder & VP,
Apps & Tech Mktg



Ron Shelton
CFO & Treasurer
(Joined in May 2022)



Ranbir Singh, PhD
EVP GeneSiC & Founder
of GeneSiC
(GeneSiC acq. in Aug 2022)

Leading Global Semiconductor Experience

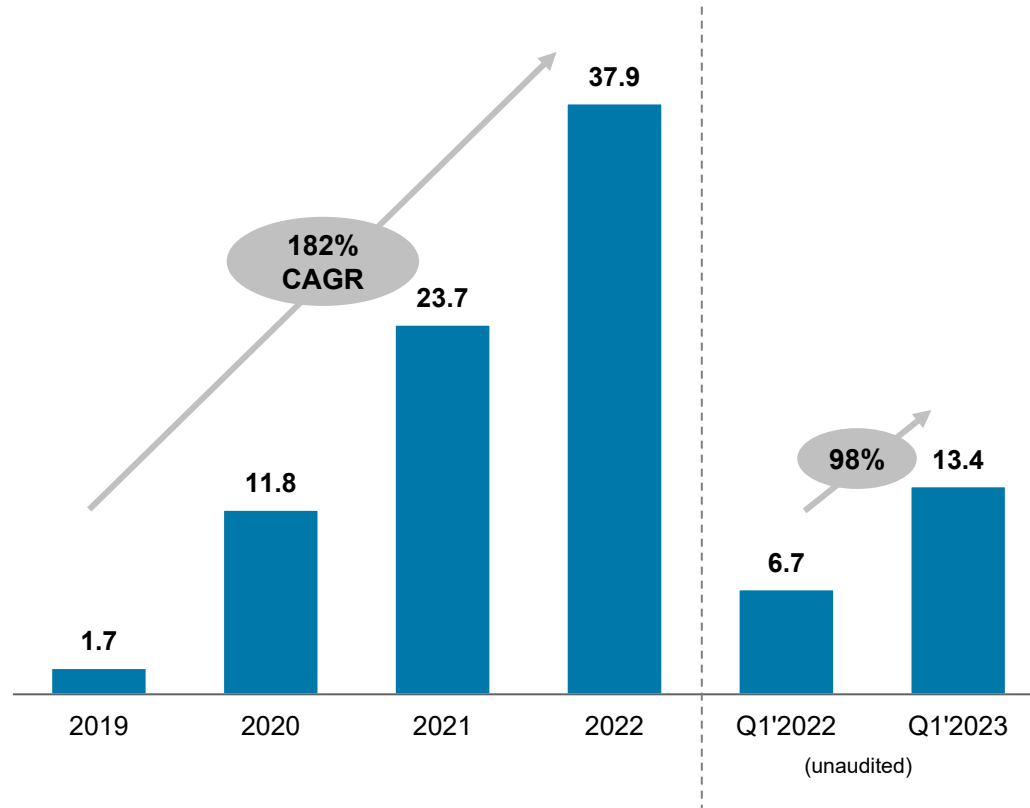
Dan Kinzer, co-founder, CTO and COO, was inducted into the International Symposium on Power Semiconductor Devices and ICs (ISPSD) **inaugural Hall of Fame** in 2018. He was recognized for his **contributions to power MOSFET technology** and his **leadership in organizing ISPSD conferences**.

Dr. Ranbir Singh, EVP of the GeneSiC business unit, was inducted into the North Carolina State University's Department of Electrical and Computer Engineering (ECE) **Alumni Hall of Fame** in 2022. He was recognized for his pioneering career in **high-performance, high-reliability silicon carbide (SiC) semiconductors** for high-power, high-voltage applications.

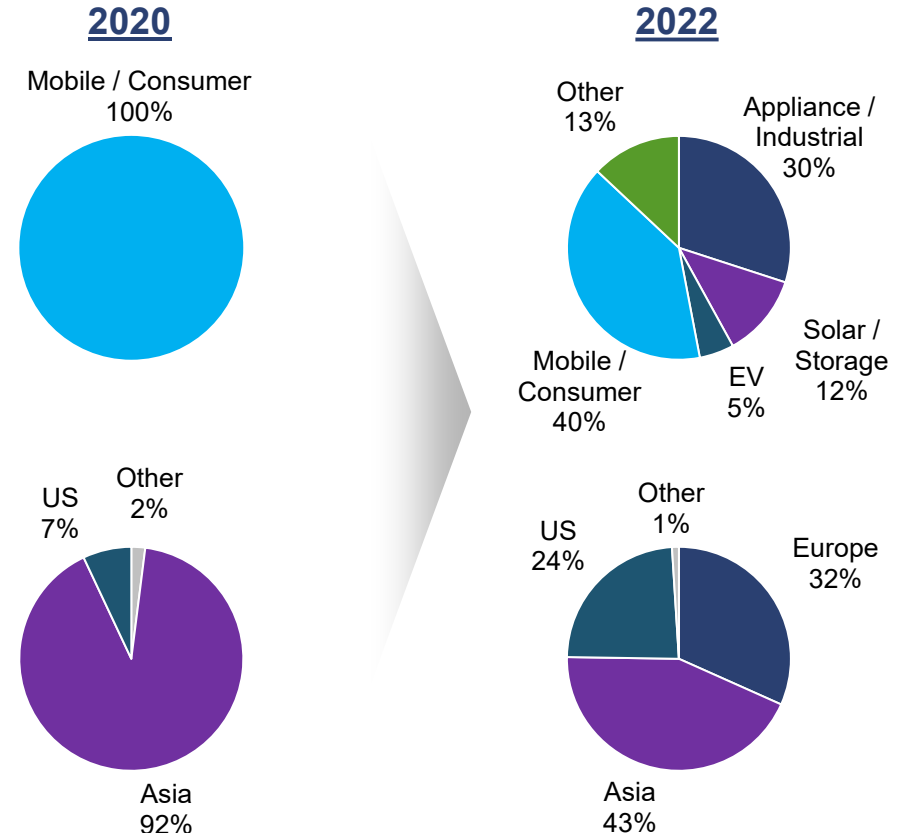


Extraordinary Growth and Diversity

Reported Revenue⁽¹⁾ (\$M)



Revenue Mix⁽¹⁾



Notes:

1. Reported revenue is not pro forma for GeneSiC financials for the period prior to the close of the acquisition of GeneSiC on 8/15/2022. Only includes GeneSiC revenue for the period post transaction close (8/15/2022 – 12/31/2022)



*Decade of Disruptive Changes in Technology
Displacement & New Energy Markets*