

***Electrify
Our World™***



**Gene Sheridan
Co-founder and CEO**



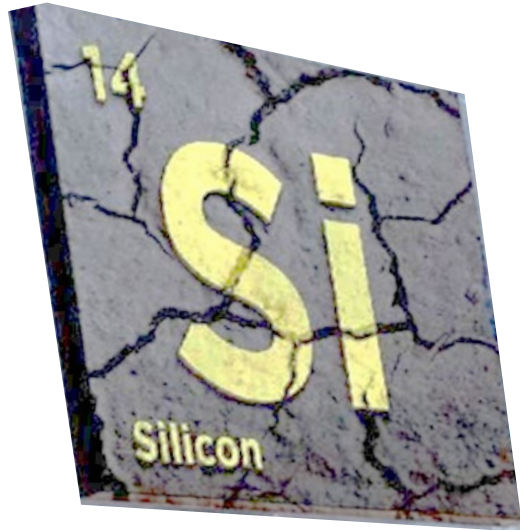
Navitas

Energy • Efficiency • Sustainability

Nasdaq : NVTS



GaN Expected To Replace Silicon In Power Applications



Navitas
#1
in
GaN⁽²⁾

35M+
GaN ICs
Shipped⁽³⁾

Zero
GaN Field-
Failures⁽³⁾

20x

Faster
Switching

3x

Smaller &
Lighter

Up To
40%

Energy
Savings

Up To
3x

Higher
Power Density

3x

Faster
Charging

20%

Lower
System Cost

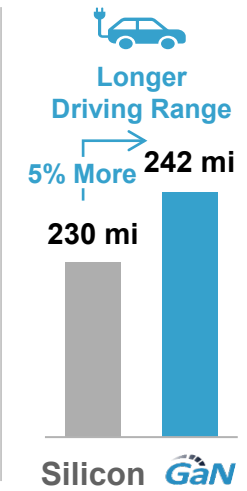
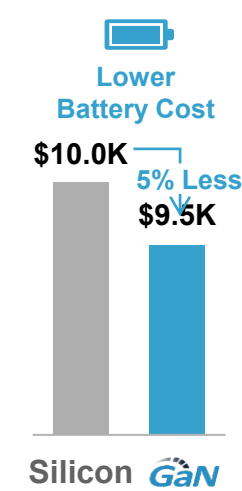
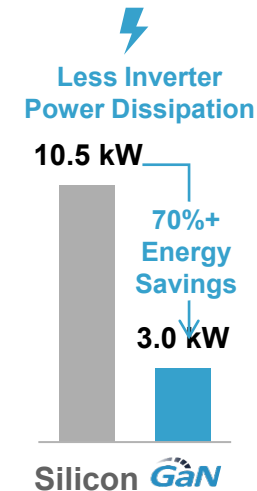
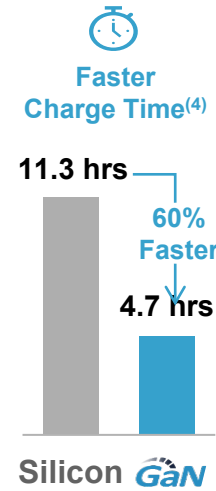
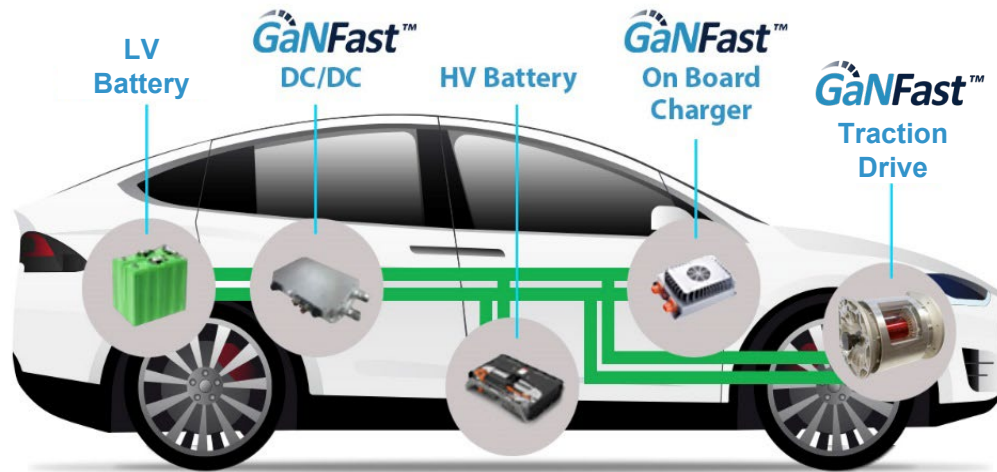
Navitas GaN Is Empowering Efficiency In Industries Where Power Is Key⁽¹⁾

Note: Statistical data is based on Navitas estimate of GaN-based systems compared to Si-based 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.

(1) Relative to silicon, GaN has 10x stronger electrical fields and 2x greater electron mobility, enabling high voltages in fast chips and fast switching with high energy savings.

(2) #1 market share by number of charger designs in production (company data Oct'21), #1 share of power GaN shipments (TrendForce, Sep'21)

Longer Range, Lower Costs: Accelerate Adoption by 3 Yrs (1)



- 3x faster charging⁽⁴⁾
- Extended range
 - 70% energy savings enables 5% extended driving range, or 5% lower battery costs⁽³⁾

- OBC ~\$ 50
- DC-DC ~\$ 15
- Traction ~\$200
- GaN potential/EV => \$250⁽⁵⁾

- >\$2.5B/yr GaN OBC opportunity in 2030⁽²⁾
- \$400M opportunity with 1st EV customer (2025-30)

“Our current OBC product line up is Si & SiC. **GaN** will enable us to *further improve*.”

“Navitas advantages are *simplicity of driving, high-speed, reliability & compact form factor*.”

VP Power Products



Note: Assumes 150 kW traction inverter, 100 kWh battery, \$100/kWh battery cost and typical 230 mile range.

(1) Based on DNV and Navitas analysis

(2) Based on BCG Research, Yole Research and Navitas analysis, 50M vehicles/yr and \$50 potential GaN content per OBC

(3) Navitas estimate based on discussions with major suppliers of power electronics to the electric vehicle industry.

(4) 6.6 kW Si OBC vs. 21 kW GaN OBC assuming a 90 kWh battery and 80A wall charge limit.

(5) Navitas estimate based on discussions with major suppliers of power electronics to the electric vehicle industry.

Accelerating EVs



“Navitas Announces First-Time Availability of GaN power ICs for Data Center, Solar and EV Customers”
(December ‘21)



“Navitas Opens World’s First GaN IC Design Center Dedicated to EVs”
(Shanghai, China January ‘22)



Accelerate transition from ICE to EV by 3 years, saving 20%/year of road sector emissions by 2050 ⁽¹⁾

(1) DNV estimate for 75%-adoption milestone pull-in, total road sector benefit

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