



**Navitas**

*Energy • Efficiency • Sustainability*



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# Energy

- 🌀 **Energy** to revolutionize power electronics
- 🌀 **Energy** to accelerate change
- 🌀 **Energy** to make a sustainable difference for our world

Gallium Nitride (GaN) is a new semiconductor material with 20x higher electric field and 50% better electron mobility than old, slow Silicon (Si) which means tiny, fast, powerful chips that save energy.

GaNFast power ICs integrate GaN power (FET) and drive plus control and protection into an easy-to-use, highly-efficient, 'digital-in, power-out' building block.

Our goal is to 'Electrify Our World' using next-generation power electronics, and to enable and accelerate the transition to fast, efficient, clean forms of sustainable energy.

**Navitas: a new energy company for a new energy world**



# Efficiency

## *The Future is GaNFast*

GaN is a high-speed semiconductor that switches up to 100x faster than Si and enables more efficient, smaller, lighter, cooler and lower cost systems; delivering 30-40% in energy savings.

GaNFast systems can charge up to 3x faster in half the size and weight of old, slow silicon solutions and address markets from 10 to 10,000 watts.

GaN ICs enable the highest energy efficiency, highest integration and highest power density across markets from smartphone and laptop fast chargers, to TVs, data centers, EV/eMobility, and solar inverters.

*Faster Acceleration Longer Range More Power Faster Charging*



*Smaller Lighter Higher Density Higher Efficiency*



# Sustainability

## Electrify Our World™

Today, fossil fuels provide over 80% of energy supply and energy use by combustion. They are limited, waste over 60% of our energy and emit significant CO<sub>2</sub> which damages our planet.

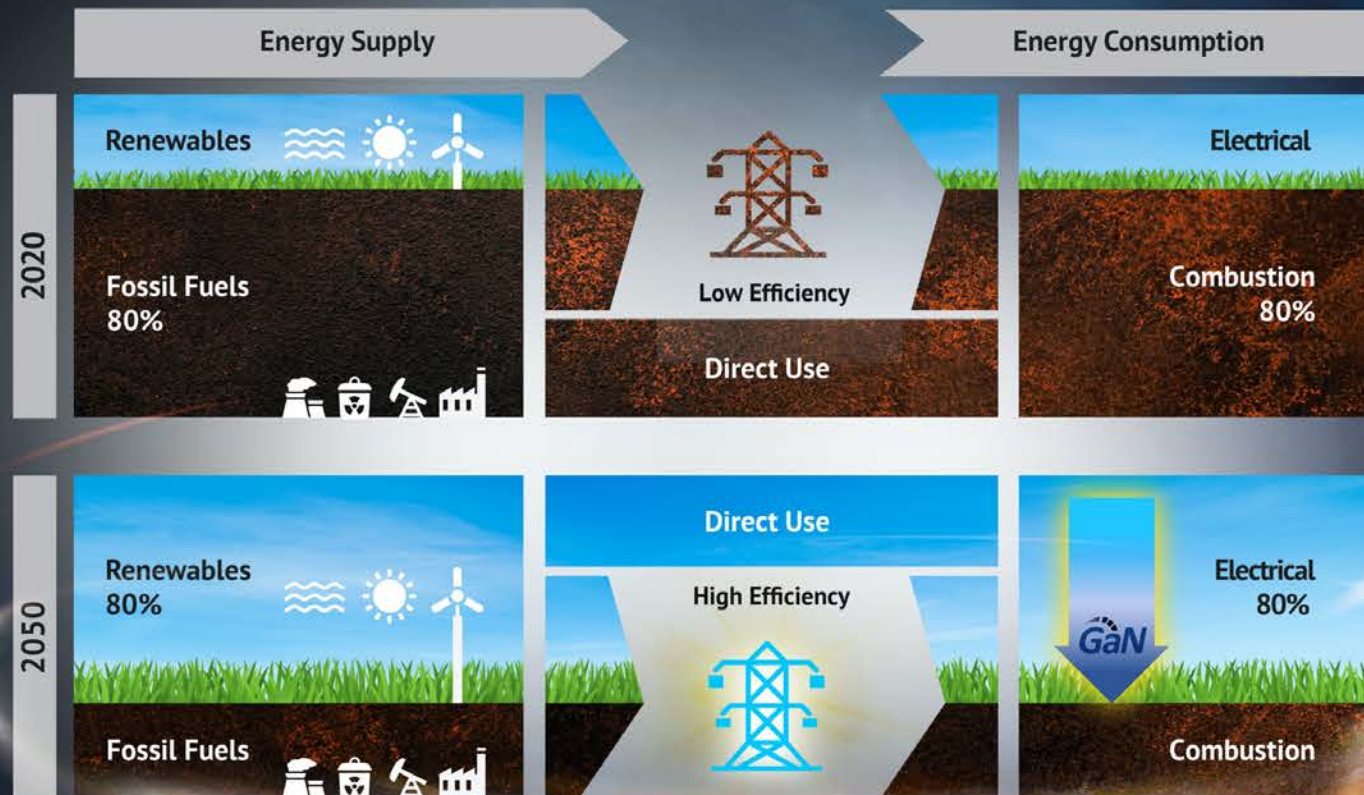
A brighter future comes as we move to clean-energy renewable sources like solar and wind, while transitioning our energy consumption to clean, efficient electrical energy. By converting cars and home heating into highly-efficient, clean-energy solutions, we see a future where total energy use is maintained, and CO<sub>2</sub> is reduced while our population grows. GaNFast technology accelerates our transition to a sustainable-energy future by boosting energy savings 30-40% and lowering the cost of clean energy.

With GaN, less raw material is required to be mined and processed, less energy is needed to create and operate power systems.

By the 2050 timeline of the Paris Accord, Navitas targets a GaN-enabled cumulative CO<sub>2</sub> saving of nearly 2 Gtons.

GaN saves or eliminates the equivalent of:

- Over 4 trillion miles driven by an average ICE car,
- Over 4 billion barrels of oil, or
- Over 400 coal-fired power plants for a year



# Join the GaN Generation!



- Energy:** Do you share our passion, vision and energy to inspire others and revolutionize power?
- Efficiency:** Can you help us improve efficiencies, and save time, energy and limited resources?
- Sustainability:** Will you join our fast-growing GaN eco-system and *Electrify Our World™*?

Gallium Nitride is a once-in-a-generation opportunity for future-focused stakeholders to make a lasting difference: from talented employees to enlightened customers and passionate consumers, from technology eco-system innovators to green investors, and from blue-sky academics to proven, reliable, world-class supply-chain partners.

**Join us today!**

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**Let's go GaNFast™**

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