

# transphorm

Highest Performance, Highest Reliability GaN

## Leading the GaN Revolution

Founded in 2007, Transphorm is the leading pioneer and global supplier of GaN power conversion products. The company's SuperGaN® platform offers the industry's highest performance available, driven by best-in-class quality and reliability.

Today, our GaN solutions support the widest range of power levels across the broadest range of applications. Our device portfolio includes 650 V and 900 V FETs, with 1200 V FETs in development. We deliver that technology in well-known, commonly-used TO-XXX, TOLL, and PQFN packages—leading to easier designability and drivability along with higher power efficiency.

Transphorm's innovations eliminate more energy losses than possible with competitive solutions. This helps customers introduce new, disruptive end products while increasing the overall sustainability of power electronics.

## Transphorm Value Proposition

Vertically integrated supply chain with ownership of EPI, wafer process, and GaN FET die design.

Largest patent portfolio (1,000+) covering the GaN process end to end.

Engineering team with combined 300+ years of GaN experience.

Asset-light manufacturing structure supports long-term demand.

## Company Highlights

First pure-play GaN supplier to go public (Nasdaq: TGAN).

First publicly recorded GaN customers; ramping volumes with Tier 1 customers.

Only GaN supplier publicly in production in low to high power markets.

50% +  
5 Year CAGR  
Target\*

40% +  
Gross Margin  
Target

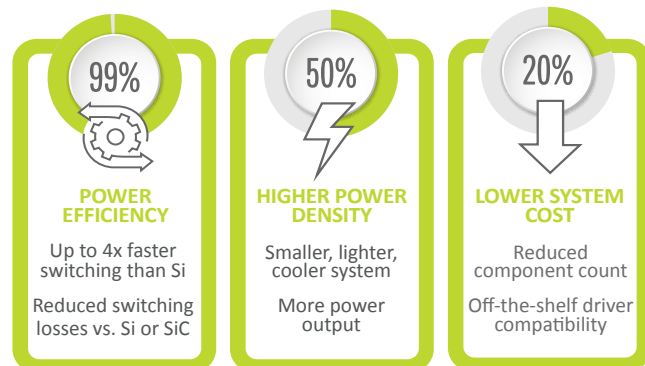
TGAN  
GaN TAM  
2028: \$8.3B

10% +  
Fresh Cash  
Flow Target

\* Forecasts as of 2023

## One GaN Platform, Crossing the Power Spectrum

### GaN Value Proposition



### Innovation Highlights

Only broad spectrum GaN power supplier.

First JEDEC and AEC-Q101 qualified GaN FETs.

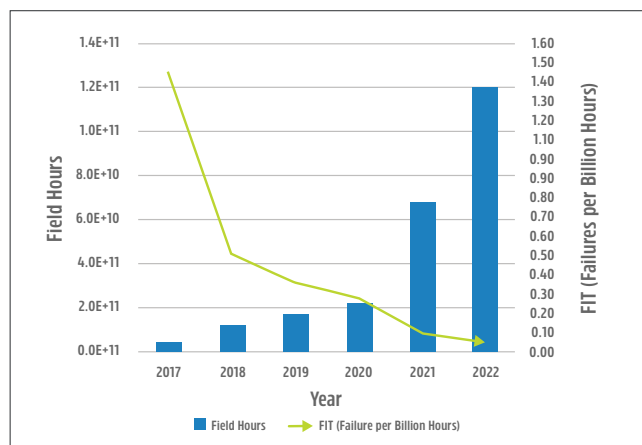
Only GaN platform automotive qualified to 175°C.

Only 900 V FETs in production; only demonstrated 1200 V platform.

Best GaN platform for quality and reliability.

First to publicly report customer field reliability data; publishing regular updates.

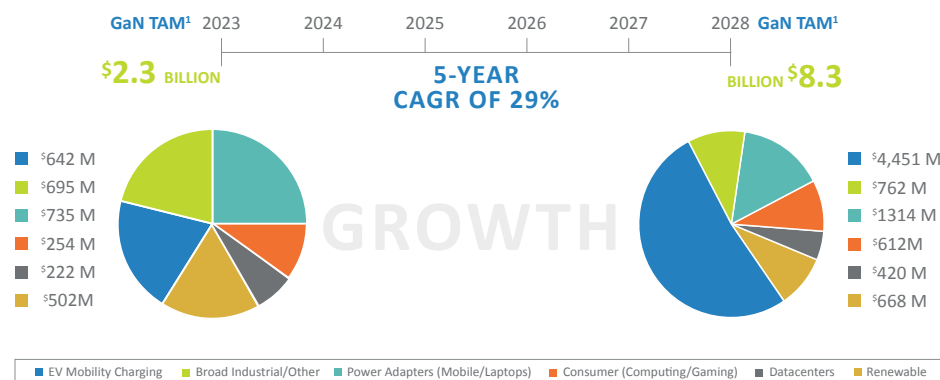
### Reliability



## GaN Value In Target Applications



## Rapidly Growing GaN Power Market



### 2023 Transphorm revenue drivers:

- Fast charging adapters (including Tier 1s)
- Consumer (computing, gaming)
- Datacenter and blockchain
- Energy harvesting
- Industrial (UPS)

Moving into higher power markets, forecastable revenue foundation increases with longer term application lifecycles.

1200 V GaN to support 2H-2020 automotive market growth driven by 800 V battery use and DC fast charging infrastructure.

## Milestones: A Legacy of Firsts

