

Wide Bandgap Power Semi Intelligence Service

Delivers a strategic lens into SiC and GaN markets focusing on fast-growing applications, product trends and competitive dynamics. This data-rich, analyst-led service helps you benchmark opportunity, mitigate risk and make confident decisions.

Key Questions Answered

- How fast are SiC and GaN markets accelerating; which applications are driving demand?
- Who's gaining ground in the WBG power semiconductor landscape?
- What's the outlook for SiC substrate trends and when will 200mm wafers scale?
- Will GaN-on-Si stay dominant, or will new substrates disrupt the status quo?
- Are GaN transistors ready for high-voltage automotive xEV inverters?
- Will GaN system ICs unlock broader adoption across industrial use cases?
- How resilient is the WBG market amid global macroeconomic uncertainty?

What We Offer

- In-depth analysis of SiC and GaN device types, pricing trends and key end-use sectors (automotive, industrial, energy, and more)
- **10-year** market forecasts segmented by region, device type and application
- Global insights covering **5** key regions: Americas, China, EMEA, Japan and Rest of Asia & Oceania
- Direct engagement with Omdia experts via our **Ask An Analyst** service



This service drills down into the industry's leading **bi-annual** market share report and competitive analysis of more than **50** power semiconductor suppliers, providing market trackers wafer demand forecasts and supply chain analysis on of SiC and GaN power discretes, power modules and power ICs.



Richard Eden

Senior Principal Analyst

SPEAK WITH OUR EXPERTS

Delivering global market coverage for SiC and GaN products

Key Deliverables



Market Tracker Reports

Get annual, data-rich updates on SiC and GaN power semiconductors, including detailed breakdowns by product type, pricing, application, voltage, and region.



Market Share & Supply Chain Analysis

Access an annual database covering competitive market share across **50+** suppliers, plus an in-depth report on the full supply chain—from wafers to finished devices.



Wafer Demand Forecast Tools

Explore future demand for SiC and GaN wafers with interactive tools that forecast wafer volumes, pricing, substrate technology, and surface area.



Analyst Commentary

Stay ahead with timely insights and perspectives from our experts on industry events, market shifts, and technology developments.

Scope of Work

Market Trackers – SiC & GaN

- Annual trackers offer a comprehensive view of discrete components, power modules and ICs
- Each dataset includes revenue, ASPs, shipment volumes, voltage classes, and end-use applications like EV powertrains, industrial, energy and defense

WBG Market Share Database

- Track the top players across the WBG landscape with annual data covering **>50** suppliers
- Breakdowns are provided by product type, region and market segment to help you benchmark competitors and spot emerging leaders

Wafer Demand Forecast Tools – SiC & GaN

- Detailed global projections for SiC (blank and epi wafers) and GaN (across Si, sapphire, engineered substrates, and bulk)
- Includes ASPs, total shipments and surface area (m²)

Supply Chain Analysis

- Understand costs, relationships and new tech shaping the global WBG ecosystem
- Covers SiC and GaN supply chains, wafer-to-device conversion, cost breakdowns and key packaging/test innovations

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