



GLOBALFOUNDRIES®



# RFwave Ecosystem

## Highlights

- Achieve faster time-to-market for 5G and other next-gen connectivity solutions
- Leverage a low-risk, cost-effective path for building optimized RF solutions that builds on the GF 5G vision using FD-SOI, RF CMOS, RF SOI and SiGe technologies
- Simplify RF chip design and reduce development time with program-validated, RF-centric EDA tools and design flows, IP and design resources from ecosystem specialists

## Boost time to market with solutions that streamline RF design

The increasing demand for connected devices and systems that are enabling an era of ubiquitous, real-time connectivity requires innovations in radio technologies to support increasingly complex capabilities and standards.

The RFwave™ partner program provides clients with access to a wealth of validated radio frequency (RF) solutions designed to help accelerate the development of innovative products. The program comprises EDA, IP and design services companies dedicated to developing solutions compatible with GLOBALFOUNDRIES silicon-proven RF platforms, including:

- RF SOI and SiGe technologies
- FDX™ FD-SOI technologies
- RF CMOS (both mainstream planar and advanced FinFET offerings)

The GF design enablement team validates our RFwave partners' services and solutions with our silicon process technologies so clients can be confident that they meet the highest standards.

## RFwave benefits for GF clients

The RFwave ecosystem enables selected partners to integrate their products or services into a demonstrated array of plug-and-play design solutions that can help streamline chip design so clients can bring products to market faster. This framework provides a low-risk, cost-effective path for designers seeking to build highly optimized RF solutions for a wide range of evolving applications, such as:

- Automotive radar
- Standalone or transceiver integrated 5G front-end modules
- 5G/mmWave backhaul
- Small cell and fixed wireless
- Satellite broadband
- IoT (across various wireless connectivity and cellular standards)

Clients can leverage a set of key offerings specific to GF's RF technology platforms through the RFwave program, including:

- Tools (EDA): Ecosystem support for RF-specific features, built into industry-leading design flows
- Design elements (IP): Complete libraries that include interfaces and both complex and foundation IP, empowering chip designers with validated design elements that can help minimize development time, cost and risk
- Resources (design consultation, services): Trained and globally distributed resources for support in developing differentiated and highly integrated RF solutions
- Product packaging and test (OSAT) solutions: High quality, optimized solutions that can provide additional differentiation

## RFwave benefits for GF partners

By collaborating with one of the world's leading semiconductor foundries, RFwave partners gain access to silicon-proven mature and advanced technology nodes, robust enablement and modeling accuracy and a broad base of RF clients who are targeting new and evolving applications. By leveraging this combination of RF-optimized technologies, manufacturing/enablement expertise and visionary clients, partners can take advantage of growth opportunities across new generations of products that are helping to make any time, anywhere, real-time connectivity a reality.

## RFwave ecosystem members

Companies recognized as GF RFwave partner program members are already working to deliver optimized RF solutions.



*RFwave members*

## Learn more

To learn more about leveraging or participating in GF's RFwave program, contact your sales representative or visit [globalfoundries.com/design-services/rfwave-partner-program](https://globalfoundries.com/design-services/rfwave-partner-program).



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