



Signal Processing Group

**IF YOU CAN DREAM IT,
WE CAN DESIGN
AND DELIVER IT.**

The Analog & Mixed-Signal Specialists.

- Specializing in *Analog and Wireless Design ASICs and modules*
- Application Specific Integrated Circuits (*ASIC*)
- Application Specific Standard Products (*ASSP*)
- Fabless Mfg Experts

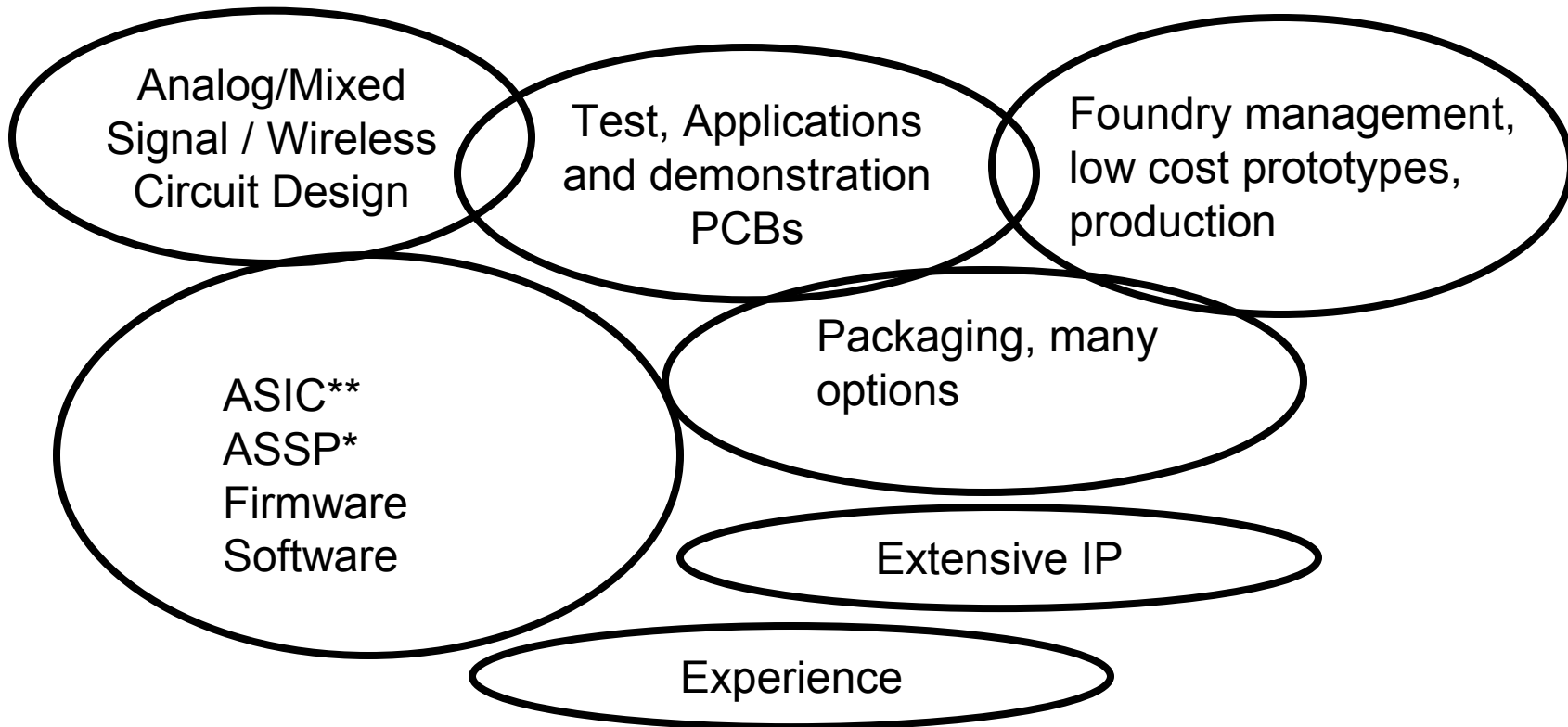
With 24 years of continuous business operations
SPG brings its advanced product development experience to address
your design concerns.



SPG VALUE

Signal Processing Group

We address your specific concerns and provide solutions for your challenges.



* Application specific standard product

**Application specific integrated circuit.

SPG SUPPORT

Signal Processing Group

Technical support for:

- ✓ System analysis
- ✓ IC functional & test specification
- ✓ Convert conceptual ideas to ICs

Management of the development program to first prototype.

Assistance in, and management of, the supply and manufacturing chain.

Assistance in, and management of, FCC, ISO, TS IEC-Q, UL and other standards bodies compliance testing.

Assistance and management of circuit packaging, prototype board builds, and circuit validation against specification

Examples of projects done

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Analog/mixed signal:

A/D converters: 8, 10, 12, 16, 20 bit. CMOS/BiCMOS, 10kHz – 50MHz.

D/A converters: 8, 12, 16, 18 bits. CMOS and BiCMOS.
Upto 1 Ghz.

Audio control and switching circuits.

MMIC/Wireless:

FM Broadcast band TX/RX. X Band, Ka band (various mixers amplifiers, modulators, PLL's)

High speed data transmission:

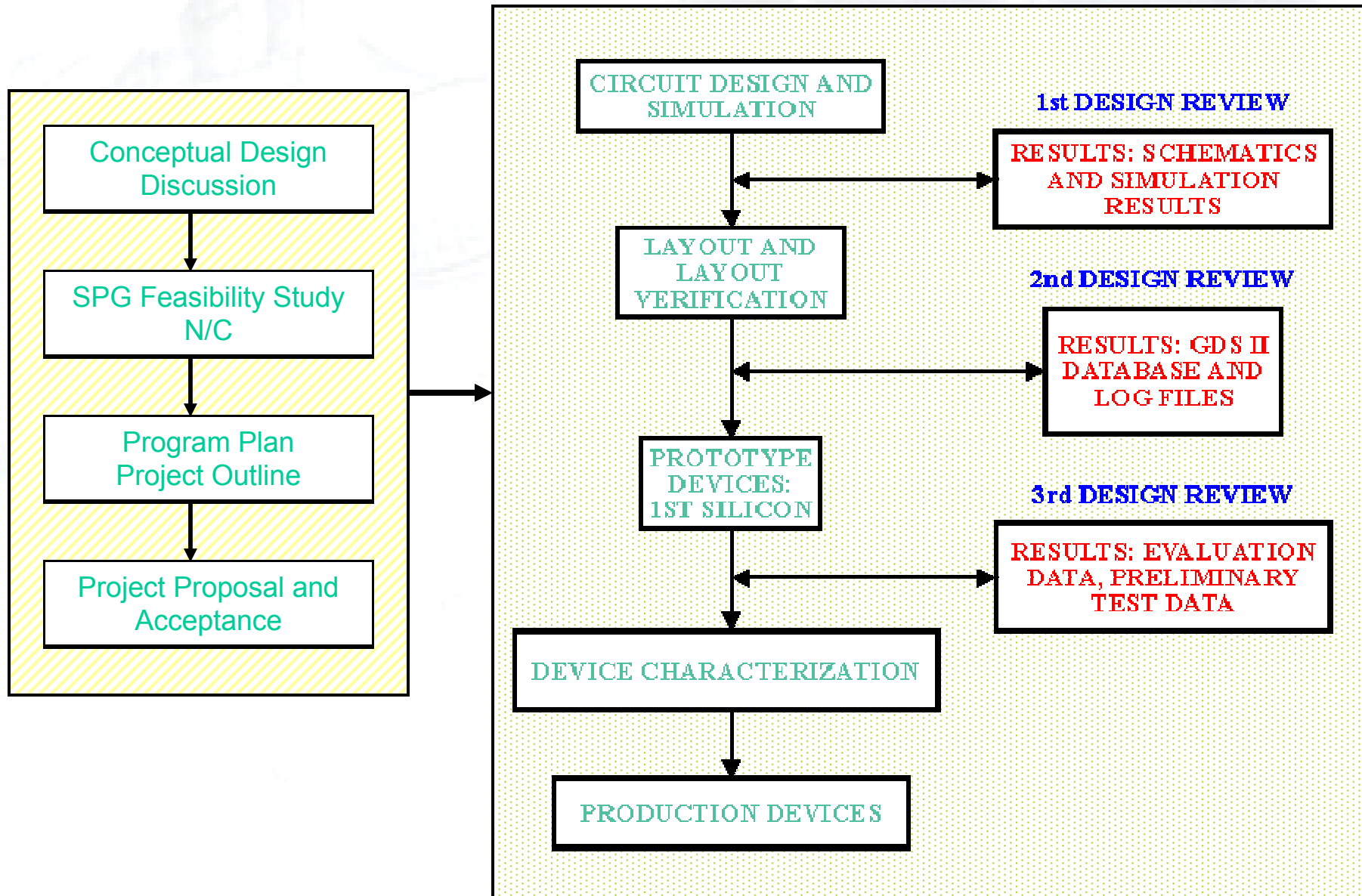
USB3, HDMI 1.4, Equalizers and TXCVRs.

Displays:

LED Drivers, LCD drivers,

Device Development Process

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Benefits & Services

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Benefits of device integration using SPG services

- Reduce cost, Reduce size, Protect IP
- Improve reliability
- Lower power dissipation, Enhance product image

Turnkey service:

- System analysis
- Product definition
- Design and Develop
- Fabricate
- Package
- Test
- Screen (Mil, S – Class)

Broad Range of Technology Access and Expertise:

- CMOS/BiCMOS
- SiGe
- High voltage BiCMOS
- High frequency MMIC
- MCM, MCP

Manufacturing service

- Contract manufacturing
- Foundry management
- No hassle unit pricing
- Proven results

Contact Information

For fastest response
24/7 contact:



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