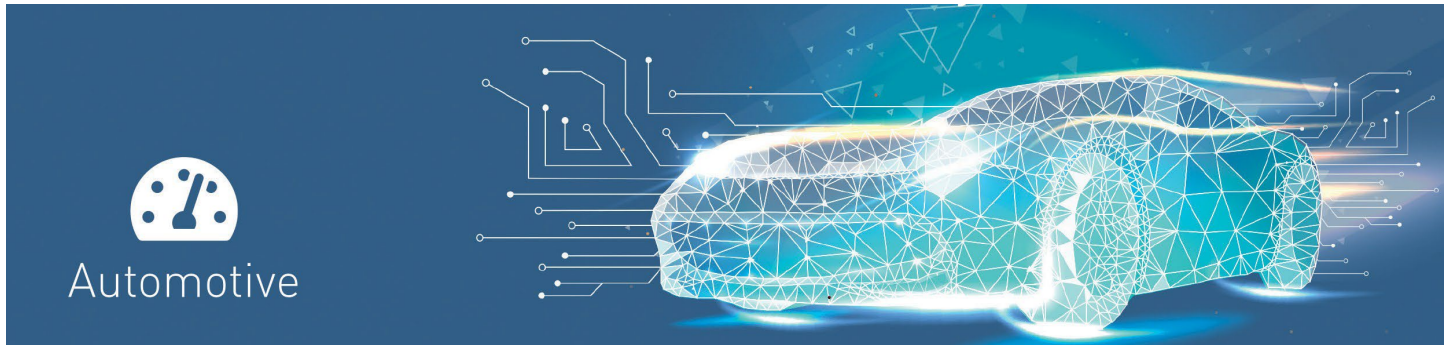


Automotive Solution SoC



Introducing Solution SoC by Socionext: Redefining how to design and manufacture custom integrated circuit. For a wide variety of applications, there is a broad and growing selection of generic and application-specific processors or system-on-chips (SoCs). However, most products were often designed for other areas (mobile, consumer, multimedia). A custom, technically and price-optimized SoC is often not considered because it is assumed that such a solution is not feasible for the volumes in these applications.

With over 40 years of experience in this field, Socionext is your go-to partner for custom integrated circuits. We collaborate closely with our customers to design and manufacture the perfect IC solution for your application. Our Solution SoC approach ensures optimized performance, reduced power consumption, and enhanced reliability.

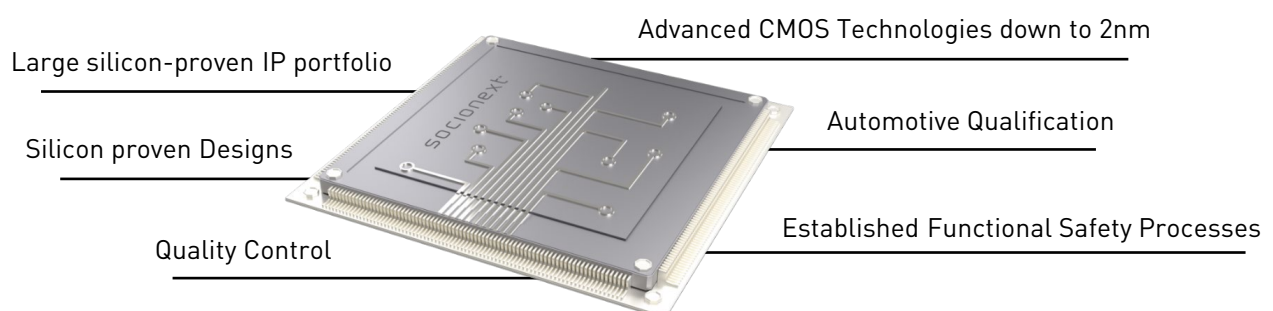
Socionext handles all aspects of your SoC, from system architecture definition and chip implementation to semiconductor production, packaging, and manufacturing tests, delivering qualified and tested ICs. We also manage the entire quality control chain, including handling returns from the field.

With a large portfolio of silicon-proven IP, Socionext can support you in selecting the most suitable IP for your designs. As an early adopter of the latest semiconductor processes, we have extensive experience in building SoCs using the world's most advanced processes, down to 2nm. Our long-established design flow for Functional Safety allows us to provide ASIL-relevant ICs. Trust us to turn your innovative ideas into high-performance silicon solutions. With our Solution SoCs, customization meets excellence.

Applications

- Automotive Computing
 - » ADAS Central Compute
 - » Zone Controller
 - » Driver Monitoring
- Cockpit/HMI
 - » IVI (In-Vehicle Infotainment)
 - » Smart Display
- Sensing
 - » Lidar
 - » Radar
 - » Camera

Highlights

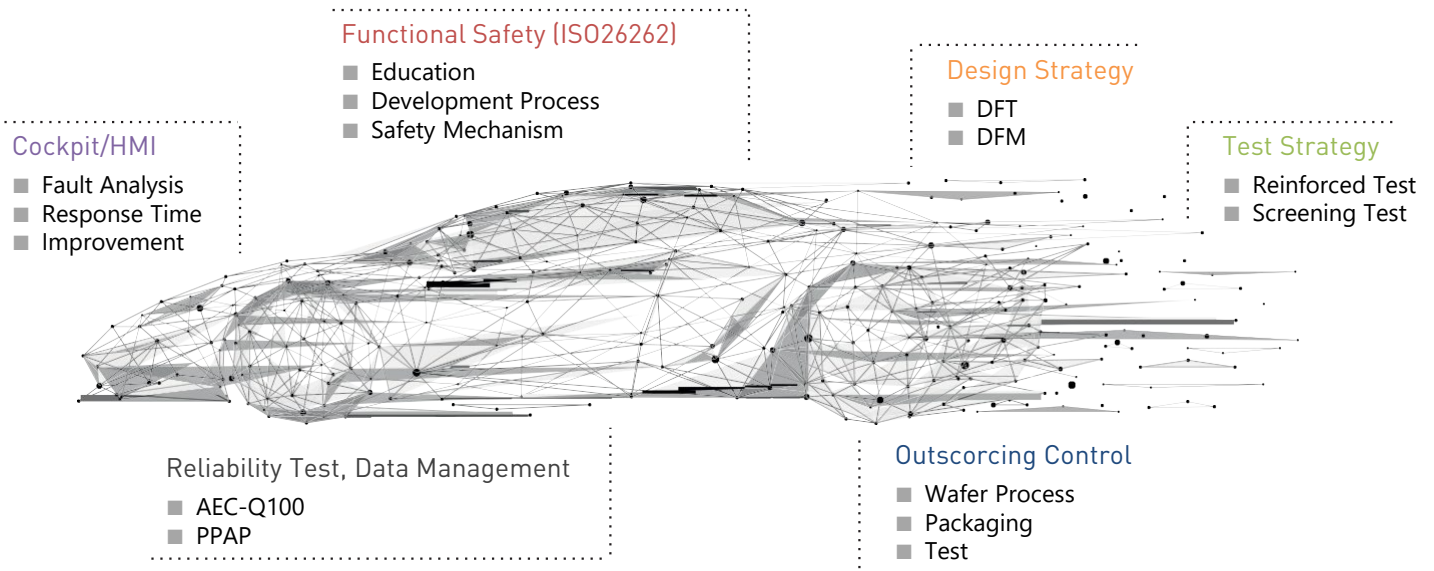


What is Solution SoC?

In 2023, Socionext introduced its groundbreaking "Solution SoC" model for custom SoC design. Solution SoCs are fully-customized system-on-chip solutions that we create and deliver based on our customers' unique requirements. With Solution SoC, we collaborate closely with our customers to develop these SoCs, ensuring an optimal and precisely tailored IC for their systems. Socionext's platform approach which bases any custom design on proven architectures, guarantees fast turnaround times, optimized performance, and cost-efficiency.



Automotive Services



Industry-leading partners to provide best-in-class Automotive Solution SoCs



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