

Complexity delivered simply

From Concept to Silicon Supply

Ultra Complex Custom Chip Design and Supply

Sondrel is a unique and trusted provider of high quality IC design and supply across multiple end markets. We offer our clients a turnkey service from system design to the supply of production silicon: one reliable partner for the whole journey.

Design Capability

Since 2002 Sondrel has provided outsourced IC consultancy to some of the world's leading technology brands, gaining access to the most advanced processes and technologies and the design challenges they present. Our experience of the newest IP, processes and technologies allows us to draw from the broadest possible range of options in our concept to silicon design work. As an independent design company, the objectivity we bring to IP selection works to your advantage.

Domain Expertise

Whether we are working with an established semiconductor or systems business or an innovative start-up, our strength lies in the ability to translate your innovation into an SoC with the on-chip resources to meet your system requirements efficiently. Our domain experts have extensive experience of designs with challenging power management requirements and multiple CPU/GPU architectures for applications in a wide range of markets.

Industry Collaboration

We work closely with IP Vendors, EDA suppliers and foundries to maintain a current knowledge of the newest processor cores, IP, tools and silicon processes. We invest in collaboration with industry leaders to set new benchmarks in IC design.

Key Facts

- 100+ highly qualified IC engineers
- 100s of designs to 5nm
- UK headquartered
- 7 offices worldwide
- Founded 2002

Locations



- HQ** Reading, UK
- UK** Bristol
- USA** San Jose
- Morocco** Rabat
- India** Hyderabad



Accreditations



Arm Approved
Design Partner



SAFE™ Design
Service Partner



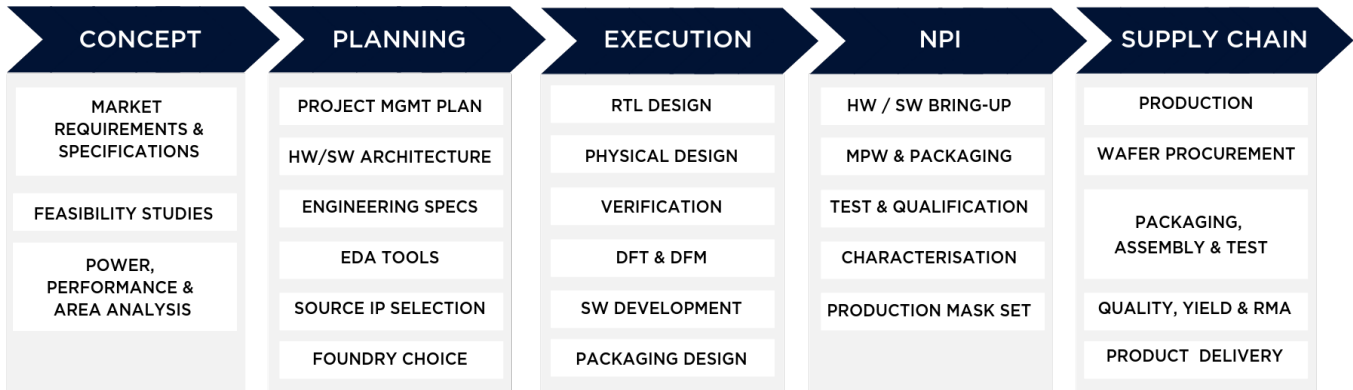
TSMC Design Centre
Alliance Partner



Global
Semiconductor
Alliance Member

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Your Partner from System to Silicon Supply



Silicon Supply





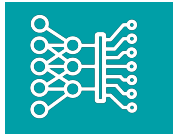




Sondrel works closely with the industry’s leading silicon foundries and Outsourced Semiconductor Assembly & Test (OSAT) houses to delivery your volume production – one partner for the whole journey.

Specialist Knowledge

Engineering Disciplines

Architecture	Defining high level concepts and value propositions
Design	From Functional Specification to the start of physical design
Embedded Security	Expert Arm® Design Partner for PSA certifiable designs
Software	Developing and integrating embedded software
Verification	High quality, reusable VIP and UVM methodologies
Physical Design	Implementing large complex digital designs in new technologies
Design for Test	High quality, high yield, efficient manufacturing screening
Operations	Selection and management of IP, package design, test, fabrication, and yield management

Domain Experience

		
Video Processing	IoT	Video Analytics
		
Automotive	Machine Learning	AR/VR
		
Blockchain	Artificial Intelligence	Networking

Hundreds of IC designs from 18µ to 3nm