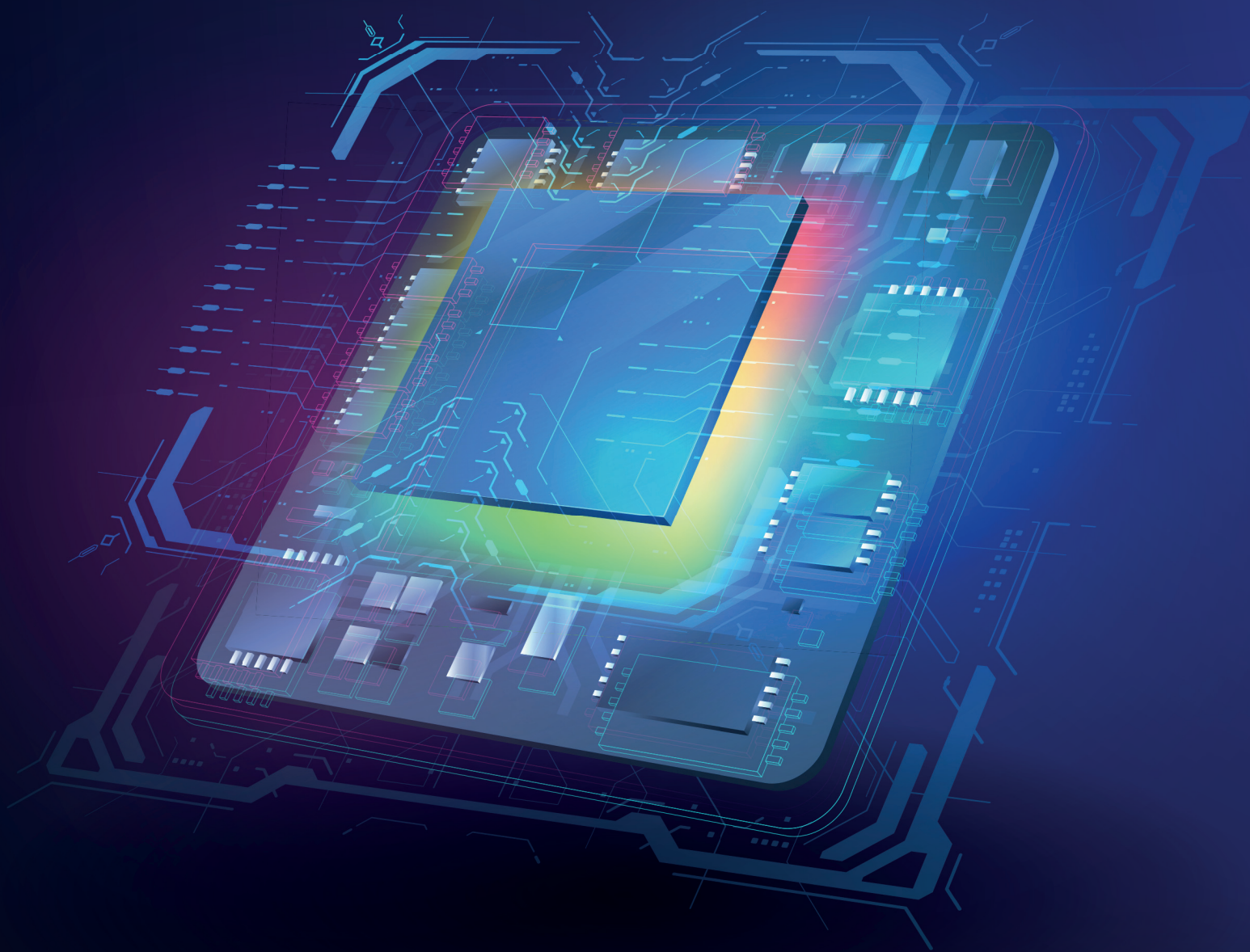


CYIENT

# SEMICONDUCTOR SOLUTIONS THAT POWER THE ASICS OF TOMORROW

Mounting challenges to create the super chip



Digital Transformation through personalization, intelligence, and automation is creating a mounting demand for cutting-edge chipsets. The challenge we face with designing solutions for technologies like AI, IoT, 5G, and mobility is that the semiconductor industry has yet to emerge from a supply chain crisis and is also confronted with a global talent shortage.



#### Performance

High-performance feature-rich custom ASICs, designed in-house to drive differentiation



#### Managing Cost and Scale

Innovation for cost efficiency and affordability for scale



#### Time to Market

Gain a first-to-market advantage and seize the connected devices opportunity



#### Talent Supply

Access to a ready and reliable talent pool

Cyient has been at the forefront of solving our customer's challenges and providing end-to-end innovative ASIC solutions with cutting-edge technology for long-term success.

#### Consult



IC Consulting focusing selective semicon services, staff augmentations, off-shore developments and center of excellence .

#### Design



IC Development focusing on full IC development and porting for semiconductor companies.

#### Build



Turnkey ASIC focusing on custom and full turnkey ASIC development and supply for non-semiconductor companies in the areas of Automotive, Medical, Industrial.

#### Produce



IC Production focusing on Industrialization (test, package, qual) and supply chain management. Currently supply 2M parts per year.



#### ANALOG MIXED SIGNAL

600+ re-usable IP blocks across to accelerate time to market for advanced ASICs with capabilities like wireless, wireline, embedded power management, high voltage and sensor data acquisition. All our IP blocks are well documented in wikis and archived in project databases.

[Wireless](#) | [Wireline](#) | [Embedded Power Management](#) | [High Voltage](#) | [Sensor & MEMS Data Acquisition](#)

Architecting advanced ASICs and combining this horizontal know how in one single ASIC



#### DIGITAL FRONT END & BACKEND

20+ years of experience with state-of-the-art embedded digital design. Our end-to-end capabilities cover everything from RTL Design and Digital Verification to Physical Design, DFT, and Firmware.

[RTL Design](#) | [Digital Verification](#) | [Physical Design](#) | [DFT](#) | [Firmware](#).

Embedded digital: RTL design, Verification, Synthesis, Physical design, ATPG, Firmware



### MedTech

Medical Imaging, Diagnostics, Patient Monitoring, Personal health and wellness monitor



### Semiconductor

Full range of analog, digital, and mixed-signal ASIC, and system-on-chip (SoC) design services. Strong partnerships in the ecosystem of design tools, EDA tools, and strategic partnership with foundries to accelerate time-to-market.



### Automotive

Convert applications into miniature ASICs, EMI/EMC, full characterization, and production testing. Automotive quality options compliant with TS16949, 15-year record retention, PPAP, APQP, AEC-Q100, and 8D problem solving.



### Industrial

Lighting, Building automation and HVAC. Factory automation & control. Automated Test Equipment, Electronics PoS, Power and Energy supplies, motor drives

**Impact your  
industry  
value chain**

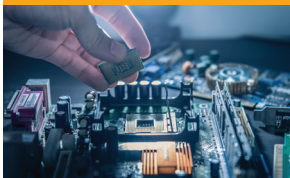
## Smart semiconductor solutions for a connected and better future

### IC Consulting



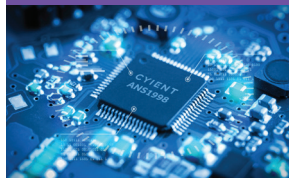
20+ years of hands-on expertise in silicon design (chip design), development, industrialization, manufacturing and supply chain management

### IC Development



End-to-end in-house IC development from definition and validation to physical layout, and embedded system design including prototypes

### ASIC Turnkey



Innovation on Chip with full turnkey Analog, RF and mixed-signal ASIC solutions to system OEMs and Fabless semiconductor companies, for all production volumes.

### IC Test & Production



Exclusively ICs manufactured and, tailored towards your custom specifications. Take control over the complete ASIC production and supply flow.



### VALIDATION, ATE & SUPPLY CHAIN MANAGEMENT

State of the Art Infrastructure for PCB design, validation, production test development, supply chain management and continuous improvement. We leverage high quality partners like TSM, Globafoundries, XFAB, RoodMicrotech, Hua Tian and Aptasic.

PCB design | Validation | Production test development | Supply chain management | Continuous improvement

High quality partners: TSMC, GlobaFoundries, XFAB, RoodMicrotech, Hua Tian, Aptasic



### TEST DEVELOPMENT AND PROTOTYPING

End to End test development including prototyping, advanced test kits, and program development. Explore our range with NI STS Tester, Advantest, Semi-automatic tape & reel, handler, semi-automatic bonder, PCB pick & place and MSL3 baking

NI STS tester | Advantest V9300k 1600 | Semi-automatic tape & reel | Handler | Laser marking Semi-automatic bonder | PCB pick & place, oven | MSL3 baking

## About Cyient

Cyient (Estd: 1991, NSE: CYIENT) is a leading global engineering and technology solutions company. We are a Design, Build, and Maintain partner for leading organizations worldwide. We leverage digital technologies, advanced analytics capabilities, and our domain knowledge and technical expertise, to solve complex business problems.

We partner with customers to operate as part of their extended team in ways that best suit their organization's culture and requirements. Our industry focus includes aerospace and defense, healthcare, telecommunications, rail transportation, semiconductor, geospatial, industrial, and energy. We are committed to designing tomorrow together with our stakeholders and being a culturally inclusive, socially responsible, and environmentally sustainable organization.

For more information, please visit  
[www.cyient.com/semiconductor](http://www.cyient.com/semiconductor)



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