

CYIENT

# SOLUTIONS FOR THE GLOBAL SEMICONDUCTOR INDUSTRY

How we work with our clients to help overcome challenges  
for a better tomorrow



## First-Time-Right Solutions for the Global Semiconductor Industry

In today's high-tech industry, winning in the marketplace requires global electronic companies to launch better products ahead of the competition. One of the key enablers in reducing time-to-market is ensuring first-pass silicon success. Another important enabler is a hardware/software co-development environment that supports early integration of hardware and software and helps in accelerating innovation.

We at Cyient are a leader in providing engineering solutions to the semiconductor, communications, and computing sectors.

We have an outstanding track record of first-pass silicon success across more than 300 ASIC tape-outs, and our methodologies and automation have been proven to increase efficiencies across a wide range of hardware and software environments. As a result, we can support rapid product development, minimize hand-offs for faster time-to-market, and significantly reduce product development costs.

### Experience Backed by a Global Presence

In us, clients find a trusted and highly experienced service provider who can help them meet current design requirements, develop new strategies for product development, and prepare detailed roadmap for future design trends.

## The Engineering Partner of Choice

We are the best-in-class provider of end-to-end services, from concept to silicon and system prototype based on proven expertise, deep experience, and strong partnerships across the industry.

## OUR DELIVERY TEAMS BASED IN BENGALURU, HYDERABAD, AND MILPITAS, CA SUPPORT CLIENTS AROUND THE WORLD.

### Semiconductor Expertise

- More than 15 years of first-pass silicon success across more than 300 ASIC tape-outs
- Broad-based expertise in technology nodes down to 10nm FinFET and SOI technologies
- 22nm and 28nm SOI (silicon on insulator) analog layout experience
- In-depth understanding of ARM/MIPS/PowerPC-based SOCs with a strong grasp of memory and connectivity technologies (DDR1/DDR2, USB, PCIe, SPI, I2C, Ethernet, Wi-Fi, UART, Bluetooth, and GPS)
- Extensive background in multimedia (audio, video, speech, and image) codecs standards and frameworks
- Development of proprietary and market-proven design flows and automation for area and power optimization

### Industry Partnerships

- Certified design partners with IBM
- Cadence verification alliance partner
- Certified design services partner with ARM
- Official TSMC DCA design center partner
- Certified design partners with Global Foundries
- Altera ACAP (Altera Consultants Alliance Partner)

### A Range of Solutions

- **ASIC:** Delivering RTL design/verification, physical design, DFT, synthesis/timing, and analog layout services
- **Solutions for IC Design-to-Build**
- **FPGA and board design:** Providing end-to-end solutions with the latest FPGA technologies and multi-layer boards for multiple applications on-time
- **Embedded software:** Helping our clients solve core challenges in embedded systems product development

- Signal routing and single integrity
- PCB fabrication, assembly, and test

### Embedded Software

- Board support package and OS porting
- Device drivers development
- Multimedia frameworks adaptation, codec integration, and performance management
- System integration and validation
- Sustenance and derivative product development

## Backed by Dedication to Engineering Excellence

Our solutions for the semiconductor industry can help:

- Reduce time-to-market
- Reduce total cost of engineering
- Mitigate risk
- Increase capacity flexibility
- Improve access to emerging markets

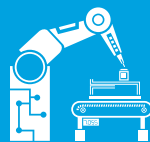
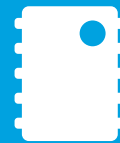
### Key Service Offerings

#### ASIC

- ASIC design (RTL to GDSII)
- RTL design and verification
- Design for testability (DFT)
- Physical design and physical verification
- Analog/mixed signal layout

#### FPGA and Board Design

- ASIC prototyping
- Schematic generation
- PCB layout



**FOCUS AREAS:** SEMICONDUCTOR, COMPUTING, TELECOM, CONSUMER DEVICES, AUTOMOTIVE, MEDICAL, AND INDUSTRIAL AUTOMATION

## About Cyient

Cyient is a global provider of engineering, manufacturing, data analytics, networks and operations solutions. We collaborate with our clients to achieve more and shape a better tomorrow.

With decades of experience, Cyient is well positioned to solve problems. Our solutions include product development and life cycle support, process and network engineering, and data transformation and analytics. We provide expertise in the aerospace, consumer, energy, medical, oil and gas, mining, heavy equipment, semiconductor, rail transportation, telecom and utilities industries.

Strong capabilities combined with a network of more than 13,100 associates across 38 global locations enable us to deliver measurable and substantial benefits to major organizations worldwide.

For more information about Cyient, visit our website.

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