



# P&C Tech Consultants



# Semiconductor



# SoC/ASIC/FPGA Design



# Design

- Feasibility study, Power/Performance/Area analysis.
- IP/Subsystem/System-on-Chip level Architecture
- Microarchitecture and Detailed design
- RTL Development and Basic Sanity Verification
- Linting, Synthesis and Static timing analysis
- Specialized Consulting in various domains like USB, PCIe, 10GbE, DDR, RISC Processors, Next Gen SONET/SDH/OTN, Wireless, 5G, Image processing and AI/IOT.



# SoC/ASIC/FPGA Design Verification

# Design Verification

- Verification Strategy and Verification Planning
- SV/UVM/C Verification Environment Architecture and Development
- Functional Coverage/Sequences/Assertions/Test Cases Development
- Functional and Code Coverage Closure, Gate level simulations, Verification Signoff
- Performance, Safety, Security, Formal and Low Power Verification
- Verification IP Development
- Verification Reviews and Audit
- Specialized Consulting in various domains like USB, PCIe, 10GbE, DDR, RISC Processors, Next Gen SONET/SDH/OTN, Wireless, 5G, Image processing and AI/IOT.



# Post Silicon to Market Ready



# Post Silicon Validation

- Board Bring up – Bare Metal and OS based
- Power and Performance validation
- Interface and IO Validation - Function to Power Level Testing
- Functional Testing for subsystems
- Specialized in typical Post silicon validation especially modern days SoC Chipsets.





# SoC Validation in System Context

- Includes Firmware, Hardware and Host side Tech Stack
- Defining Validation Architecture
- Test Definition and Automation
- Test Execution, Reporting and Maturity Cycles
- Specialized in Android, iOS and Ref IoT platforms based Tech Stack  
System Testing ( Similar to NFC, BLE etc)

# Demonstrator Kits

- Defining and Development of Demonstrator Kit for the market Roll out
- Building Reference Boards with SoC Silicon and Firmware to demonstrate board capabilities
- Reference Phone and windows Demonstrator Applications
- Specialized in SoC / Silicon Capabilities Demonstrator Applications for PC and Mobile Segment ( Android, iOS and windows)



# Software

# IoT Node

- IoT Node Architecture Design and development
- Firmware and Middleware Development
- Building IoT devices Targeted for Health Care, Fintech, Home and Industrial Application
- Node driven M2M, AI based service Development and System Integration
- Wide range of connectivity Stack Experience – BT/BLE, NFC, Zigbee, RFID, WiFi

# Embedded Systems

- Embedded Product Specific System Definition and Building Reference Systems
- Architecture and Design Services
- Board Bring up, Firmware and Middleware Development
- Solution expertise in building Secured services like Secured Firmware Update , Secured Boot and Establishing Root of Trust
- Software ( Firmware, Middleware) with reference Systems like Android, IoT Platforms.

# Validation

- Validation Architecture and Design
- Design and Development of Test Framework and Test Automation
- Protocol Stack- Compliancy and Precertification specific Validation
- IoT and Embedded Platform level System Integration and Validation

# User Experience Design

We bring you the most innovative and user-centric approach in the User Experience domain. Be it the overall customer journey or the user friendly interfaces, we design it by gathering the insights, conducting analysis and combining the user goals and business goals in the most appropriate way.

- User Research
- Design Thinking
- User Experience Design
- Concept Design
- Product Roadmap
- Interface and Interaction Design
- Visual & Motion Design.

# UI Engineering

Our engineers receive the assets provided by our designers and they start structuring the functional models with all the needed requirements. This makes the process quite easy and even more fragmented at the source end with the little to zero down turn effort and the most exciting results for the favor of our clients.

Entwining pixels from the design with detail oriented implementation using the latest front-end technologies: HTML/CSS, Javascript, Angular, React & Node. Our Engineers expertise in building complex designs and Hybrid applications We have core team who can handle Web hosting (AWS, Azure etc.) and cloud computing.





# Product Engineering

We consider product engineering as an innovation process with its roots embedded into multiple dimensions and spread across design, development and deployment. Our Product Engineering team have good understanding of UX, motivated, skilled and committed.

We are committed to products from Entertainment to Sports, E-commerce to Paas and Fashion to Corporates. Our team leverage their expertise and skills to migrate your ideas from concept to reality.

# Web & Mobile App Development

Our Web & Mobile App development team fully takes care of the entire project life cycle of our client's innovative products & services with the most crucial phases starting from the conceived idea to the actual deployment of services.

Website Development, CMS development, Web Application development, Wordpress Websites, Drupal, Headless CMS, Native Mobile Development (Android & iOS), Hybrid App Development using varied Frameworks like React Native, Flutter & Ionic. Expertise in Web hosting, AWS/Azure, Cloud computing, Integration and Restful services.

# Branding & Creative Services

Branding is all about stories and strategies. Apoxeo helps you tell your story, define a strategy and create stunning brand identities and visual designs to back up all those. We always keep it in our mind that communicating to the end user in a meaningful and authentic way is the key to success to any brand.

- Brand Identity
- Logo Design
- Collateral Designs
- Graphic Design
- Creative Services



# Business Model



# Time and Materials

- Onsite
- Onsite/Offshore - Flexible
- Offshore design center



# Fixed price

- Onsite.
- Onsite/Offshore - Flexible.
- Offshore design center



Contact us at  
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**THANK YOU!**