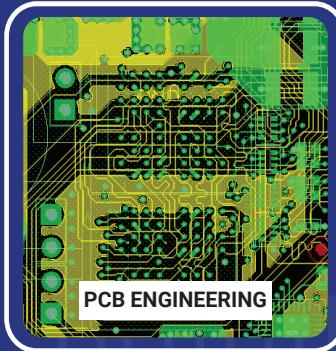
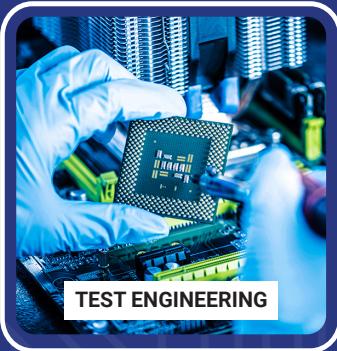
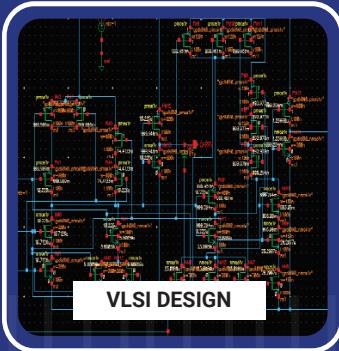


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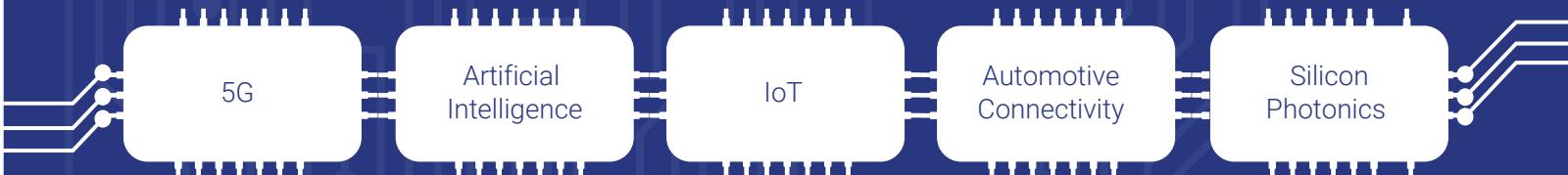
A HERO ELECTRONIX VENTURE



END TO END SOLUTION PROVIDER IN SEMICONDUCTOR VALUE CHAIN

Delivering excellence in engineering

Key Technologies



Market Sectors



Automotive

Avionics

Consumer
Electronics

Industrial

Medical

Sensors

Committed To Your Success



Advanced Design



Capable Partners



Empowered Customers



VLSI Design

- ▶ Rich design experience includes – Analog, Digital & Mixed signal IPs and SoC Solutions
 - Spec to GDSII sign-off
- ▶ Circuit Design, Layout Design, RTL Design, DV, DFT, PD, FPGA Emulation, Verification IPs (VIP) solution, AMS design & verification
- ▶ Expertise in process nodes from 0.35um down to most advanced 7nm technology
- ▶ Executing Turnkey Projects – Ownership from Spec to GDS to Silicon



Test Engineering

- ▶ Test Strategy & Planning
- ▶ Test Hardware Design, Test Program Development & Characterization
- ▶ Test Time Reduction, Yield Optimization, Platform Conversions, and Multisite Test - solutions that enable a seamless transition from development to production
- ▶ Multi ATE Platforms Expertise (over 30+ ATE Platforms)
- ▶ State of the art Test Floor equipped with ATE testers Advantest, Teradyne, NI etc and Rack & Stack Bench Equipment
- ▶ Device Expertise – RF, Digital, Sensors, Mixed Signal, Analog
- ▶ Product Engineering - Advanced product engineering solutions – right from R&D to end of product life



PCB Engineering & Turnkey Manufacturing

- ▶ Multi Platform EDA Tools (Cadence, Mentor, Altium...)
- ▶ Design and delivery of ATE, Systems, Burn-in Board (BIB) and Evaluation boards
- ▶ PCB Design HDI, Blind/Buried, Flex, RF, Metal Core/Clad, High-Speed DDRx etc.
- ▶ PCB Design Simulations (SI, PI, TA, LPDDR etc.)
- ▶ Package Design (Wire Bond, Flip Chip, SIP, WLCP)
- ▶ Mechanical Engineering
- ▶ Inhouse PCB Fab





Reliability & FA Services

▪ Reliability Services

- Device Qualification
- ESD, Latch up, Burn In (HTOL, ELFR), Package Qual (HAST, HTSL, TC, TCT, THB, PTC...)

▪ Failure Analysis Services

- VLSI Circuit Edit using 9500 FIB (5nm beam); De-Capsulation (Cu protect jet-etch); Optical Microscopy & Measurement (Nikon lv150), X-Ray, X-Section analysis of PCB & DIE etc.



Embedded Systems/Products/Services

- End to end product development services from Custom Design to Manufacturing
- Linux & Android Software Development Expertise
- System Design expertise with Digital, Analog, Mixed Signal & RF design capabilities
- FPGA based system design from "RTL coding to board level Validation"
- High-end video, audio and connected multimedia embedded system
- MAGIK-2 modules based on the SMARC/Q7 standard
- Embedded Services: Linux /Android Device Drivers / Middleware/ Post Silicon Validation Activities

Together With Our Solution Partners

Realizing turnkey embedded systems development.



An Extended Arm Of Semiconductor And Systems Companies



2100+
Expert Team



Avg. 8+ Years
of experience with
Critical Technologies



90%
Technical Staff

Building Your Project Team Customized To Your Needs

Experts with
need based skill
sets

Rapidly
assembled
in-house

Scaled to your
unique needs

Balancing
timeline and
costs

Results in
delivering
products faster

Committed to
project
milestones

Turnkey Facilities

Expertly Manned | Equipped | 24/7 Ready



ATE Test
Lab



STPI
SMART Lab



PCB
Fab



FA & Reliability
Lab



VLSI
Design CoE

The Outcome Speaks For Itself



900+ Test programs released



Verification IP (VIP) solution for
different protocols & IPs



130 PCB designs per month



20+ Products Released to Market in various
domain like Avionics/Automotive/ Industrial

India | USA | UK | Germany | Italy | Malaysia | Singapore
China | Japan | South Korea



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