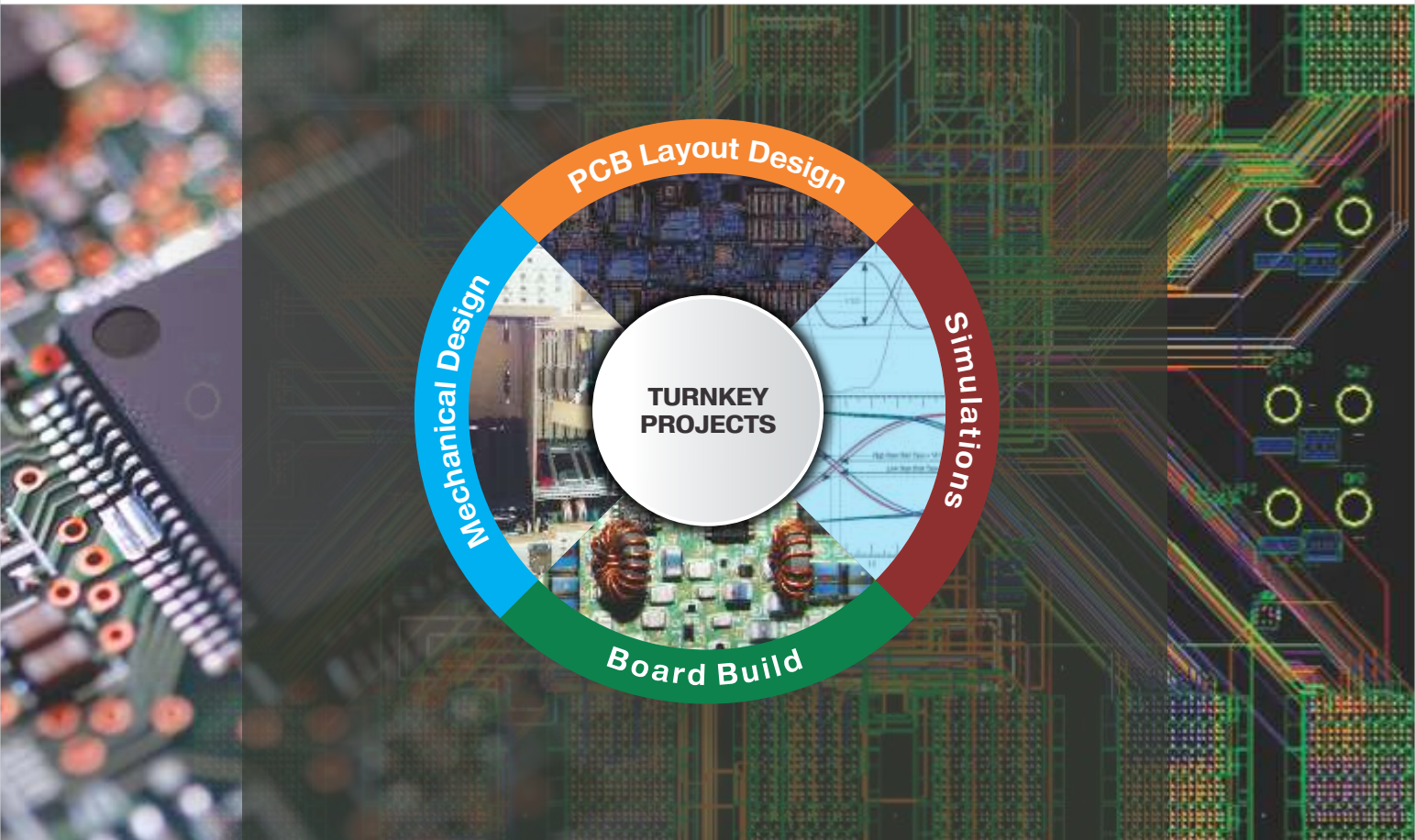


PCB design today has reached the point that requires vendors to tailor their EDA requirements. Complexity of PCB design is on the rise. Companies are looking for PCB design partners who can navigate these challenges with scale and speed and integrated tools.

Tessolve offers turnkey PCB solutions to the global electronics industry. In addition to PCB layout engineering, our specialized skill in RF and mixed signals board designing combined with signal integrity and thermal analysis adds value to customers looking for a one stop solution for their PCB requirements, including mechanical enclosure design and fabrication. We take total accountability for complete board development cycle from schematic development to delivering tested assembled boards with required approvals and certifications.



PCB engineering division provides high speed PCB design with SI/PI/EMI/EMC/TA simulation combined with mechanical design solutions. We provide total turnkey solutions from schematic development to delivering tested assembled boards.



PCB Engineering Services

At Tessolve, we deliver state-of-the-art ATE test interface and high speed board designs as a turnkey solution of unmatched quality with quick turnaround at highly affordable prices, to the electronic industry.

We specialize in high speed design and layout technologies. We have developed boards for systems with data rates up to 10 Gbps. We serve as one of India's leading fabless design companies for the semiconductor industry. We work in tandem with client company's designers to ensure 100% quality and error free work.

As an extended support, we provide custom / industry standard mechanical design and development of enclosures.

As part of our value added services, we provide total turnkey manufacturing support encompassing PCB fabrication, components procurement, assembly and testing.



Board Design & Simulation

- Load & probe cards, Burn in boards, Evaluation & Reference boards, RF boards, Embedded boards, System boards, etc.
- Simulation & Analysis (Signal integrity / Power integrity / EMI / EMC / Thermal analysis)

Advanced Tools

- Cadence - Allegro
- Mentor Graphic - Expedition/PADS
- Altium
- Cadence - SI
- Hyper Lynx - SI Ghz / PI
- Pro-E / Pro-Cabling

Expertise

- Design Technologies - PCI, PCIe, DDRII, DDRIII
- High speed USB, SPI4, LVDS, Serdes, Serial ATA etc.
- Engineering Validation with CAD / CAM tools

Mechanical Engineering

Design of metal enclosures, system racks, Stiffner for ATE, machined plastic parts, etc.

Turnkey Manufacturing Support

- PCB Fabrication (HDI, MIL grade, Rigid-Flex, PTFE, Rogers, etc.)
- Component procurement, Assembly and testing for Protos / Production runs

One-stop shop for all your PCB engineering and prototyping requirement



Delivering Excellence in Semiconductor Engineering

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