

Electronics Design

OVERVIEW

- Extraction of hardware specifications
- Board design from concept to functional board
- Sustenance services for board reengineering
- Reduced development cycle times, saving up R&D dollars

Enabling Faster-To-Market Products

By implementing emerging technologies in customers' products, our electronics design practice helps bring to market competitive products while progressively shrinking development cycle times. Drawing on wide-ranging experience and expertise, we architect significant value by building robust products and saving up R&D dollars. Furthermore, our designs come with timing, signal integrity, power, thermal, and EMC/EMI compliance.

Solution Matrix

Our electronics design solutions include:

- Extraction of hardware specifications from the product requirements, circuit design, PCB design, prototype assembly, board bring-up, firmware development, and integration
- Firmware development including boot codes, board support packages, diagnostics, and device drivers
- Requirement fulfillment for timing, signal integrity, power consumption, power dissipation profile, DFM, and EMC/EMI compliance
- Sustenance engineering services including board reengineering for design enhancements, defect identification and fixing, obsolete component replacements, and redesigning for RoHS compliance
- Vast expertise in products ranging from tiny distributed sensors to complex, high-speed mixed signal instruments and medical devices

Industries and Customers

We offer electronics design services to Fortune 500 companies, multinationals, and small and medium enterprises across industries.

INDUSTRIES

- Test and Measurement
- Semiconductor Equipment Manufacturing
- Wireless
- Medical Equipment
- Storage

CASE STUDIES

- Embedded printer controller for cardiac defibrillator
- Design of front panel display for desktop multimeter
- Developing a 2.4 GHz, wireless measurement system for collision-repair industry
- Developing a Wireless LCD device for power monitoring
- Reengineering the controller board of an HPLC pump system

Visit the case studies section on www.mindteck.com to read about these and other success stories.

About Us

Mindteck is a global IT services company providing a range of solutions that enhance customers' business performance noticeably. Our focus areas are:

- Embedded Systems
- Enterprise Consulting – SAP
- IT Services

Mindteck is an ISO 9001:2000 and ISO 27001:2005 assessed, SEI CMM level 4 certified company. With a presence in USA, UK, India, Bahrain, Singapore and Malaysia, Mindteck has a truly global reach.

Our state of the art development centers in India and Singapore are well equipped with latest technologies for enterprise-wide communication and networking, productivity, collaborative software engineering, and distributed project management.

Why Mindteck?

OPERATIONAL EXCELLENCE

Quality is a way of life at Mindteck, touching every process, interaction and deliverable. Our metrics oriented approach helps us to achieve high operational efficiency. Comprehensive knowledge management and software best practice frameworks are in place benefitting customers. The iterative development approach and incremental release strategy ensure end products' compliance with customer specifications, on-time deliveries and phase containment.

GLOBAL RESOURCE ARBITRAGE

Harnessing multi-site development centers, exceptional local talent, and proven processes and methodologies, Mindteck's global delivery model ensures lowest possible total cost of ownership.

TIME AND COST SAVINGS

Competitive costing and time-to-market efficiencies are certainly key drivers in every global partnership. Engaging Mindteck in their R&D efforts, global companies have authored a string of success stories in cost containment and releasing products into the market on time.

RELATIONSHIP MANAGEMENT

Long term focus and collaborative working are key elements in our relationship management. Ethics, trust, and transparency are the cornerstones of our relationship management framework.

Related Services

- Product Engineering
- Embedded Software Development
- Verification & Validation
- ZigBee Design Services

Office Locations

United States of America

California New Jersey
Texas North Carolina

Europe

London

Middle East

Bahrain

India

Bangalore Kolkata

ASEAN

Singapore Malaysia

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If you would like to contact a customer manager in any of the above locations, visit Mindteck worldwide page at: www.mindteck.com