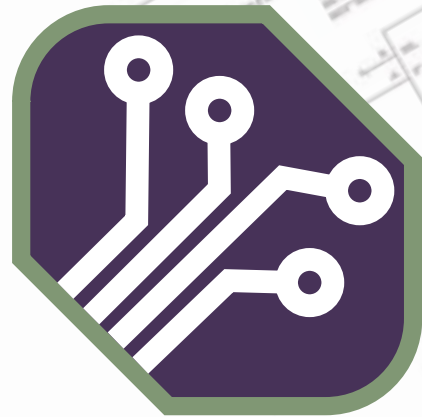


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SiGenix
electronic solutions provider

Engineering Services



innovative technical solutions of the highest quality

quality ideas
innovation
power
software

innovative technical solutions of the highest quality

SiGenix



About SiGenix:

SiGenix provides hardware and software design and mechanical packaging services to successful companies and technology innovators. These services allow our customers to become more efficient with the product development cycle.

SiGenix associates average 18 years of practical design experience. Our experience ensures quicker time to market. We take the guesswork and risk out of your development effort.

SiGenix Design Process:

The SiGenix design process enables the customer to receive the desired end product on schedule and within budget. We operate as an extension of your engineering design team. This close relationship results in the creation of products that make our customers successful.

Our process includes:

- Specification Generation
- Trade-off Studies
- Detailed Design
- Prototype Development
- Test against Specification
- Design Iteration and Retest
- Documentation Development
- Final Design Review

SiGenix Software:

SiGenix embedded software engineers are experts in system design. Our trade-off studies between hardware and software provide the best balance of cost and performance. With experience in all major microprocessor families, we can ensure the optimum processor choice.

SiGenix is well-versed in designing and developing communications protocols. These capabilities include skills to reverse engineer proprietary protocols that allow for the addition of functionality or the redesign of legacy hardware.

Our skills include:

- C++, C, Assembler
- Debuggers and Emulators
- Peripheral Drivers
- Embedded Communications
- Data Acquisition
- Digital Motor Control
- DSP Algorithms

Our PC software engineers are experts in all aspects of development from simple applications to shrink-wrap client/server products.

Our skills include:

- Visual Studio .Net
- Visual Studio 6
- C, C++, Visual Basic, Java
- COM, Active X, ADO/ODBC
- MFC, STL, ATL
- Database Design
- Install Shield/Wise Installations
- QNX, VRTX, DOS, UNIX/Linux, OS9
- TCP/IP, RS232, RS422, RS485, USB

SiGenix Hardware:

The SiGenix total approach to hardware development balances innovation, cost and schedule to afford our customer a design that is easy to manufacture, test, and upgrade.

Our skills include:

- Microprocessor Design
- DSP Design
- Data Acquisition Systems
- Motor Control
- Microprocessor Communications
- Analog Circuit Design

SiGenix engineers have experience with all major CPLD and FPGA product lines. From simple state machines to high performance DSP, from reimplementing of legacy hardware to rapid prototyping of new products, we can provide the programmable logic solution.

Our designs feature:

- Cost & PCB Size Reduction
- In-Circuit Programmability
- VHDL, Verilog, or Schematic Entry
- Complete Simulation

SiGenix Mechanical:

SiGenix retains US and Asian partners experienced in mechanical packaging design, prototyping and manufacturing.

Our skills include:

- Plastic Injection Molding
- Stereo Lithography
- NEMA Enclosures
- Sheet Metal Design

SiGenix Power:

SiGenix Power focuses on the design, certification and manufacturing of custom power supplies. Our supplies incorporate the latest advances in the field of switching power for improved reliability and efficiency while reducing cost and space.

Our power supplies feature:

- Wattages to 20KW
- AC Inputs to 264V
- DC Inputs to 750V
- Power Factor Correction
- High Efficiency
- Low Parts Count

SiGenix has extensive experience in power supply certification. We can certify to both industrial and medical worldwide standards. Our engineers design power supplies with a focus on EMI reduction and safety. Relationships with third party testing labs guarantee compliance with all applicable product standards.

SiGenix partners with companies that provide quality and cost-effective manufacturing. Our manufacturing solutions include custom burn-in test fixtures to facilitate high production yields. Partners in the US and Asia provide power supply manufacturing solutions to meet your needs.