

Consulting and Design Services

SERVICES

Besides developing our own products, Audie Technology provides design and programming services to other companies. Audie Technology will provide flexible service undertaking all, or a part of the complete design service from a raw concept of a design to prototype and production. By handling multiple aspects of the development we can speed your project to completion.

Often we can work in conjunction with your development team and assist with a particular element of the design or bring a design from concept to prototype and production.

No matter how well designed a product is, problems may occur. We provide ongoing support for the products we have developed.

Services Offered:

- System Design
- Circuit design, schematic capture, and circuit board layout
- Firmware Development
- PC Software Development
- Prototype Development

Embedded processors used in past projects include 8051, 8051 variants, 68HC05, PIC, Z180, and Rabbit microcontrollers.

Communications protocols include RS232, RS422, I2C, SPI, IEEE 488, and proprietary synchronous serial.

PC Software development is usually done in Visual Basic.

PAST PROJECTS

Precision Gas Mixing Device

Designed & produced a device that precisely mixes gases to produce a standard test gas.

Project included circuit design, PCB layout, and firmware.

Test Systems for Oxygen and Toxic Gas Sensors

Designed & produced electronics and software for automated test systems.

Project included circuit design, PCB layout, firmware, and PC software.

Camshaft Measurement System

Designed & produce system for measurement & analysis of automotive camshaft profiles and valve trains.

Project included circuit design, PCB layout, firmware, PC software, and mechanical design.

Data Acquisition & Control System for Air Flow Test Benches

Designed & produce data acquisition and control system for air flow test benches.

Project included circuit design, PCB layout, firmware, PC software, and mechanical design.

SCADA system for Small Electric Utilities

Designed & produce SCADA system used by small electrical power companies in upstate New York.

Project included firmware and PC software.

Pressure Transmitter Calibration and Configuration Test Cell

Wrote PC software for a new calibration and configuration test cell. Client is a major industrial pressure transmitter manufacturer.

Data Analysis Software for Race Car Data Acquisition System.

Wrote firmware & PC software for a leading Race Car Data Acquisition system.

CONTACT:

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We are located in the Philadelphia, PA area (USA).