

MEV Ltd.,
Suite 8, Baxall Business Centre,
Adswood Road, Stockport,
Cheshire, SK3 8LF

Tel: 0161 477 1898
Fax: 0161 718 3587

<http://www.mev.co.uk>
email:info@mev.co.uk

MEV.

*System Design
Consultancy*

The Company

MEV is a highly skilled total electronic and software system design service to industry with a track record of success working with major customers. As well as developing a range of off the shelf products, our design and project management team produces turnkey products and systems to order. We have the capability to produce complete projects to the highest quality at very competitive prices, thanks to our low overheads. We are a well-established company with an impressive client list, entering our tenth year of trading.

The Services

- Bespoke system design, development and manufacture.
- Custom electronic hardware / software design.
- Technical consultancy.
- Product design
- Cost effective purchasing and product assembly / test services, at any volume.

Partners

- **PLX** - We are technology partners with PLX, a major world wide supplier of PCI Bridge chips. We can supply help and support with integrating these devices into designs and with developing custom drivers for Windows or Linux environments.
- **Texas Instruments** - We are members of the Texas Instruments TI third party network. We have extensive experience working with TI DSPs using Code Composer Studio.
- **ProfiBus** – We have two certified PROFIBUS Network Engineers.
- **Amplicon LiveLine** – We are partners with Amplicon Liveline providing hardware design and developing and maintaining drivers for their range of data acquisition and serial peripherals.

The People

MEV is a small company with a commitment to high quality engineering. Two of our directors are Chartered Engineers and Members of the Institute of Electrical Engineers. Our team of highly skilled professional engineers hold a range of qualifications.

Specialist Experience

The company has high levels of expertise in the following areas:

Systems

- High speed data acquisition and signal processing.
- Industrial Control.
- Field Bus Solutions
- Nuclear Instruments.
- Ultra sonic test equipment.
- Data management in food and energy industries, SQL server and other database technologies.

Software

- Bespoke data aware Windows applications.
- Turnkey user interfaces using Borland Delphi / Kylix
- Windows, DOS and Linux Device drivers
- Real Time DSP Firmware
- Real-time control and communications solutions
- Integration of multi-language software solutions in to a seamless packages

Our skills include

High Level languages	C, Delphi, GNU GCC, Turbo Pascal, Neuron C, Visual C#, Visual C++, Visual BASIC, BASIC, FORTRAN, FORTH, occam, parallel C
Low level Languages	TMS320C5xx, TMS320C6xx, SHARC, 8080, 8085, Z80, 80x51, 64180, 80x86, 680xx, Z8000, PIC 16Cxx, 6502, 65816, Transputer GUY, AT&T DSP32C
OS	Windows, Linux, OS-9, MS-DOS
Device Drivers	Windows WDM(XP, 2000, 98), NT, 95, 3.11, DOS and Linux
Database Technologies	Microsoft ADO and DAO, Borland Interbase, Borland Paradox, Microsoft Access, Open Access, SQL Server
Platforms	IBM PC compatibles, Motorola Power PC, Texas DSP, AD Sharc DSPs, Philips DSPs, Transputers, PDP11, CAMAC, AB, VME
Networking	TCP/IP, PROFIBUS, Can Bus, Lon, Novell Netware, Microsoft Networks, NetBui

Hardware

We provide a highly skilled digital / mixed analogue and digital design capability. We are technological partners with PLX (PCI bridge IC manufacturers) and work with them to provide PCI card solutions. Our skills include:

- USB Peripherals
- PCI Peripherals
- FPGA / ASIC design
- Video, audio and image compression
- SHARC and TMS320CXXX DSPs and other advanced Microprocessor Designs
- ProfiBus, Echelon LonWorks, Can Bus and other Field Bus technology.
- Microcontrollers
- Low Power design techniques
- Digital Hardware Design
- Analogue/Mixed Analogue & Digital Design

Recent Projects

- Development of high-speed wavelet compression video acquisition interface and Linux device drivers.
- Development of high-speed Digital IO and Serial device drivers for Windows XP, 2000, ME, NT, 95 and Linux.
- Design of analogue and digital data IO USB/PCI peripherals and high speed USB/PCI serial peripherals for Amplicon Live Line.
- Design of a remote high-speed Ultra sonic non-destructive test system. UT data is sampled at up to 160 M Samples /sec, filtered, processed, packaged and sent to a host Windows PC via a TCP/IP stream.
- Design Gamma Spectra Synthesis system based on TMS320C5x DSPs.
- Development of data logging and tariff analysis package for electricity consumption management used in major UK steel and cement producers' sites. The package is based on ADO, Access and SQL server technologies using Delphi.