

MEV

SYSTEM **DESIGN** CONSULTANCY

# From Concept to Market



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# Core Services

## ISA, PCI and PCI Express Solutions



Complete PCIe master or slave solutions.

Design consultancy to connect your existing ISA or PCI designs to the PCIe bus.

Consultancy to convert PC Card designs to ARM Remote Ethernet allowing data acquisition over a network connection.

## Device Drivers



We supply custom Device Drivers to your requirements for all major Windows and Linux platforms. This includes performance critical device driver solutions for PCI and PCI-Express (PCIe) devices. If you are developing your own device drivers, we can offer support and advice on the WHQL Logo Program we can help DTM test and Logo your driver.

## Software Solutions



MEV develop, maintain and support the Cloud based BIM system for NDT Technologies Piling Rig Instrumentation.

This uses a custom Windows Embedded system to control and monitor the piling processes. The solution is Cloud based providing, Business Information Management through a web interface, allow features such as live access to status and Job Scheduling.

# About MEV

## History

The company directors, Graham Siepen, Dave Cooper and Helen Elcock have a strong background in electronic engineering. They first worked together at Sension Systems Ltd., in 1988.

They have significant design expertise in the industrial sector at product and system level in addition to significant software expertise for real time embedded microcontroller systems and for the PC.

MEV was formed in November 1993 by Graham, David and Helen, the organisation has grown from there to 7 permanent staff and group of regular associates.

## What Our Customers Say

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*"Cobham are very impressed with MEV as an organisation and certainly hope to do business with you again!"*

*Cobham*

*"We have certainly been very pleased with the way things have worked out and would be happy to work with you again on other projects"*

*Emobix Limited*

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## Quality

MEV have operated a ISO 9000 compatible quality system since 1994 which has been independently audited on a number of occasions by

- Amplicon (Measurement and Control Solutions)
- BAE systems (Defence Sector)
- Cobham (Flight Refuelling)
- And most recently Cavendish Nuclear



MEV is an approved supplier to the Defence Industry

## Awards and Anniversary



We take pride in high quality and good service. This has led to great customer retention, some customers have stayed with us from the very beginning, many customers have been with us over 15 years. We are a tight knit hardworking team



MEV have received an award from ALTERA, for Outstanding Partner Support. During the presentation we were also singled out for our expertise in PCI express.

We are both pleased and proud to have our work for ALTERA recognised in this way and we look forward to continuing to build upon this strong relationship.

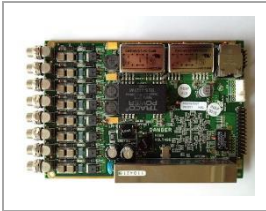
# Ultrasonic Testing

MEV are partners with Bell Technology a supplier of Ultrasonic Non Destructive Test equipment and provide firmware / hardware design and device driver development to support this ongoing project

## db-UT

The db-UT is a ruggedized, portable ultrasonic inspection system capable of simultaneous multi-channel Time-of-Flight-Diffraction (TOFD) and Pulse Echo (PE) Corrosion/Erosion Mapping, and is also capable of interfacing to a wide range of single/multi-axis manipulators including video tracking. The system comes complete with a suite of comprehensive data collection and off-line analysis software that runs under Windows.

## db-UT POD



db-UT is a stand-alone version of the db-UT portable ultrasonic inspection system capable of simultaneous multi-channel Time-of-Flight-Diffraction (TOFD) and Pulse Echo (PE) Corrosion/Erosion Mapping. The POD connects via a TCP/IP ethernet link and is suitable for deployment in remote environments such as underwater ROV systems.

# Altera Expertise

## Amplicon PCI data acquisition and serial cards



MEV have designed Amplicon's own-brand range of cards since 2000 from ISA through PCI and now PCIe solutions built around the low-cost Altera FPGAs.

Working with Amplicon MEV provides bespoke designs for specific customers.

## IPEC Online PD Monitoring



Partial discharge is the predominant cause of long term degradation and eventual failure of electrical insulation.

MEV have worked closely with IPEC to deliver database enabled data acquisition technology used to detect and monitor these discharges.

## Sarclad In Chain SCM online measurement



MEV worked with Sarclad to design their main processing board in close collaboration enabling Sarclad to leverage MEV's FPGA expertise to realise their world leading on-line measuring system for continuous slab casting machines.

## Who we are

MEV provide a total electronic and software design service to industry

- Defence, Nuclear, Industrial, Non-destructive Testing, Automotive, Construction, CCTV and broadcast TV
- Experts in FPGA, PCIe, PCI, ARM, System and Circuit design, PCB Design, Windows & Linux device drivers, Embedded Software
- Microsoft Partner OEM Hardware Design Competency
- Altera Outstanding Partner Support Award Winners

Established in 1993 this year is our 25th Anniversary

We take pride in high quality and good service.

## Contact Us

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