



The Mission Critical Solution Provider

Enterra Drivers and Embedded Solutions

Although drivers are seldom seen directly by the end user, they are a tremendously important part of the user's experience with hardware, as well as a major factor in system stability. Enterra has been moving large amounts of critical time-sensitive data since 2001, and we have extensive experience with key issues such as synchronization, user/kernel communication, Plug and Play, and much more.

As hardware devices propagate it becomes increasingly difficult to differentiate your product in the market. We realize that sometimes success rests on having data buffers which are just a few bytes smaller than those of the competition; offering a control panel which loads just slightly faster; or displaying images that update more smoothly and look a bit more polished. Problems that impact system stability are devastating. We offer you not only skill and expertise, but attention to the details.

Device Driver Technologies

We have specialized in writing software for custom hardware since 2001. Driver writing requires a number of skills:

- The ability to determine the expectations of an operating system
- Experience with chip specifications, data sheets, and related technical information, as well as some understanding of hardware and related theory
- A deep understanding of low-level operating system concepts such as synchronization, memory addressing, and more

There's a first time for every type of driver, and our experience shows that the combined resources of Enterra equip us to learn new technologies quite efficiently. Fortunately, we also have a comprehensive grounding in a wide range of driver types: USB, FireWire, PCMCIA, Audio/MIDI, Networking, Image Capture etc.

Embedded Solutions

The embedded systems for information equipment such as cellular phones, household information devices and in-vehicle information equipment are becoming increasingly sophisticated. Enterra provides state-of-the-art application development solutions for Handheld Devices, Device Management, System Engineering, Real-time Control Software, Firmware Engineering, Device Drivers.

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Enterra solutions work on real time operating systems and platforms like Embedded Linux, Windows CE, Palm OS etc. Our solutions are operating on platforms using processors like PowerPC & 68k/Coldfire, TI/Analog DSPs, Intel, Microchip PICs, ARM, StrongARM.

Solutions for any device of any complexity

Our partnership with hardware manufacturers and operational systems producers has given us advantages in getting the most unique and create top-notch solutions.

Enterra has experience developing solutions for non-standard hardware, unique devices and instruments, which provides our customers and hardware end-users with tools to specifically resolve their mission critical tasks.

Long-Term Technology Relationships

Enterra takes a flexible, long-term approach to technology and design decisions. We use our knowledge of most major software technologies to help you choose the best platform for your application. If the right tools don't exist, we can build them from scratch or assemble pre-existing components.

Of course, your long-term support plans, existing systems, schedule, and budget weigh heavily into these decisions. We take the time to get to know our clients and the business requirements for their software.

Are you interested in a reliable and long-term partnership for your custom software? Call us 813-514-0531 or email salesteam@enterra-inc.com



Custom Development Solutions
Data Management Solutions