



## Partner in Technology Outsourcing

# Product Design Services

ACCEL's team of highly skilled software and hardware engineers can provide you with a full range of product development services. The ACCEL team can begin with something as simple as a basic product definition, examine every aspect of your requirements, considering all practical options available, to deliver a distinctive solution that will give you a strong competitive advantage. We leverage our robust project management skills to ensure that your product development is on schedule and under budget.

ACCEL's technical expertise spans diverse areas of technology including:

- **Process & Factory Automation** related services such as:
  - ◇ Custom Software development, HMI development & Enhancement, Protocol Development & Conversions for various Open/Proprietary Protocols such as Modbus, OPC, DeviceNET, PROFIBUS, ControlNET, Device Drivers & Reverse Engineering
  - ◇ Implementation of applications in Semiconductor Manufacturing Industry compatible with protocols such as OSEK, SECS, HSMS, GEM. OSS, SEMI, OBEM etc
- **Embedded Systems** development which includes:
  - ◇ RTOS: Nucleus OS, WinCE, VxWorks, Embedded Linux,  $\mu$ ITRON,  $\mu$ COSII, Lynx, QnX, MQX
  - ◇ Drivers: for USB, AGP, Ethernet, PCI, IEEE 1394
  - ◇ Firmware: Intel x86, Motorola 68K, Hitachi Super H series/H8, ARM 7TDMI/9TDMI, MIPS Fujitsu FRV, Philips Trimedia processors and PIC micro controllers.
- **ASIC & Hardware Design** that includes ASIC, FPGA and High Speed Board Design
- **Image Processing** for Image analysis, streaming, rendering, compression and 2D to 3D reconstruction. Image formats and codecs including DICOM, JPEG2000, MPEG2/4, BMP, RAW, TIFF, TARGA, wavelet, GEOTIFF etc.
- **Multi-media** involving MPEG2, MPEG4, DV, JPEG, JPEG-LS (Lossless), Wavelet, GEOTIFF and DICOM Networking. RTP (Realtime Transport Protocol), RTCP (Realtime Transport Control Protocol), RTSP (Realtime Streaming Protocol)
- **Networking** for IEEE 1394, IEEE 802.11e, HL7, ADSL, CDN, and IPv6. Network security solutions using PKI

ACCEL's combined breadth of knowledge, experience and processes, ensures that we deliver the best value proposition to our customers.

**ACCEL Technology Resources**, a division of ACCEL Systems Group, is a proven and established service provider to the Information Technology industry. ACCEL is a global company with operations and customers throughout North America and Asia.