



XCELTRONIX
WHERE IDEAS AND TECHNOLOGY COME TOGETHER

COMPANY OVERVIEW

- Xceltronix started business in 1996
- Solid growth and expanding customer list during first 10 years of operation
- Continued growth through acquisition of Axiom Manufacturing in 2006
- Moved to a new manufacturing facility that doubled floor space in 2008
- Xceltronix is owned and staffed by engineers who have the technical expertise to solve a wide range of problems

WHAT WE DO

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- Xceltronix specializes in single board computers, embedded controllers, custom design, and manufacturing solutions
- Xceltronix's engineering department is staffed by seasoned software and hardware engineers with extensive experience in embedded real time systems design
- Xceltronix through its 100% owned subsidiary, Axiom Manufacturing, is among Freescale's top 3rd party tool vendors for 8/16/32 bit microprocessor development and evaluation systems
- Xceltronix recently completed a move to a new, expanded, state of the art manufacturing facility to further increase our extensive manufacturing capabilities

PRODUCTS AND SERVICES

PRODUCTS

- 8/16/32 bit μ C/ μ P development boards
 - Flexis Family
 - Coldfire V1/2/3/4
 - PowerPC
 - 68HC08/68HC11/68HC12
- 8/16/32 bit development tools
 - Background debug modules (BDM)
 - PC based IDE
 - Source level debugging
 - GNU compiler packages

SERVICES

- Manufacture to print
 - Circuit board assembly and test
 - System/Box assembly and test
- Custom design and development
 - Specification development
 - Schematic generation
 - PCB layout
 - System level design
 - Prototype assembly and test
 - Manufacture
 - Custom housing/packaging
- Order fulfillment

SERVICES (cont)

- Semi custom design and development
 - Modify our standard product to meet customer requirement
 - Xceltronix can take a customer's existing product and modify to customer specifications
- Production PCB Test
 - Complete electrical and functional testing
 - Compliance testing
 - UL/FCC/DoD/Automotive etc. defined
 - Customer defined
 - Test plan generation
 - Customer can provide test plan
 - Xceltronix Test Engineering can write test plan to customer requirements

SERVICES (cont)

- Digital / Analog / RF
- Document Services
 - Printing
 - DVD
- Product labeling
- Assemble and mount into custom enclosure
- Continuous monitoring of testing
 - Customer feedback as required
 - Database for statistical analysis
 - Generate test scripts
- Full quality inspection prior to shipment
- Package and shipping as required
- Product / Warranty Repair



H/W DEVELOPMENT

HARDWARE DEVELOPMENT

- Embedded circuit board design and development
 - Complete manufacturing package
- μ C/ μ P application development
 - 8/16/32 bit
 - DSP
 - A/D applications
- System housing/packaging
 - Military
 - Oil field
 - Medical

MicroP/MicroC Designs

- ARM7TDMI
- TI
 - DSP 320C10/C20/C30
 - DSP 320C6711
 - 320DM
- MICROCHIP
 - PIC
- INTEL
 - X86
 - 8051 Family

MicroP/MicroC Designs (cont)

- ST-ARM
 - STM 7x
 - STM32
- Analog Devices
 - Blackfin
- Freescale 8/16/32 bit
 - HC08/HC12/Coldfire – V1/2/3/4
 - MPC5xx/55xx/56xx
 - FLEXIS Family

SOFTWARE/ FIRMWARE DEVELOPMENT

SOFTWARE APPLICATIONS

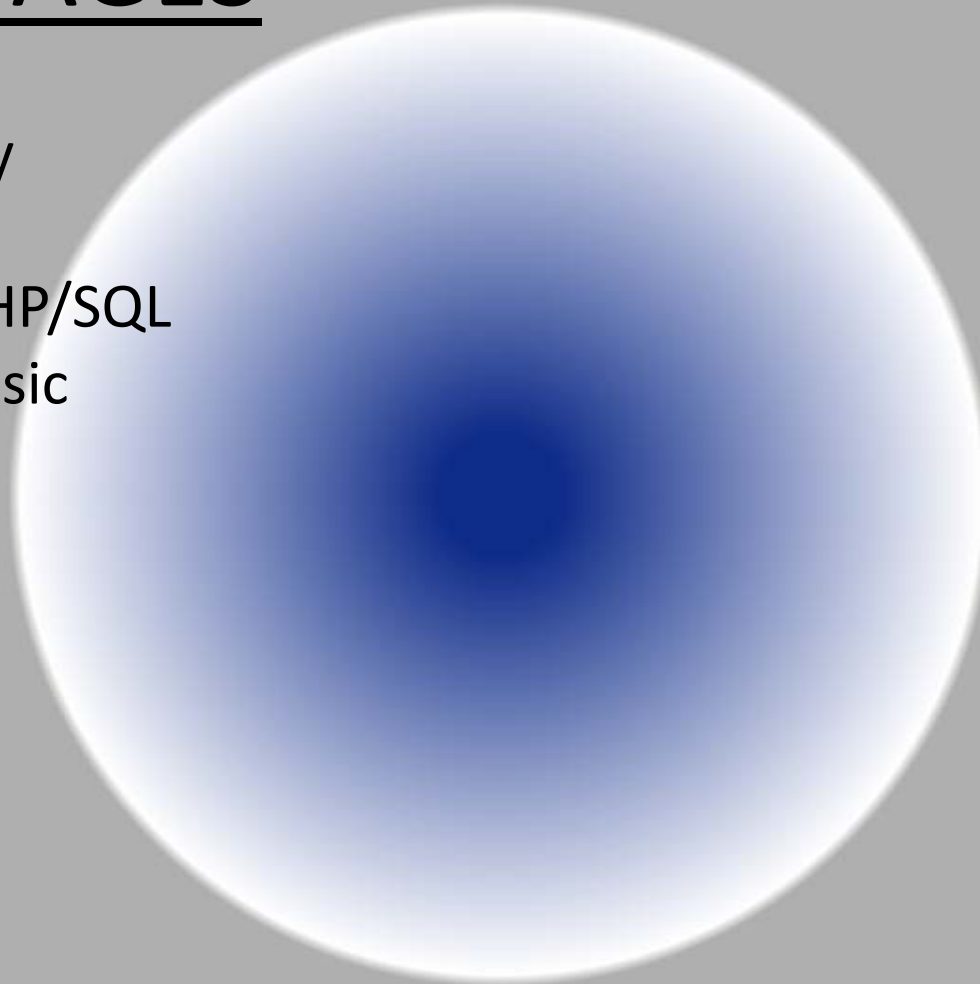
- PC Windows applications development
 - Development board test software
 - Compiler and debugger IDE's
 - External equipment interface/control
 - Image manipulation software
 - User interface applications
 - Dynamic Link Libraries (dll)

● FIRMWARE

- Embedded firmware application development
 - USB/serial applications
 - Video applications
 - LCD/GUI User Interface applications
 - RTOS based embedded applications
 - LINUX
 - μ C/OS
 - VxWorks
 - SMX
 - Debug monitors for 8/16/32 bit Freescale microcontrollers
 - Data converters
 - Remote control measurement applications

LANGUAGES

- C/C++
- Assembly
- VHDL
- HTML/PHP/SQL
- Visual Basic



TECHNOLOGIES AND MARKETS

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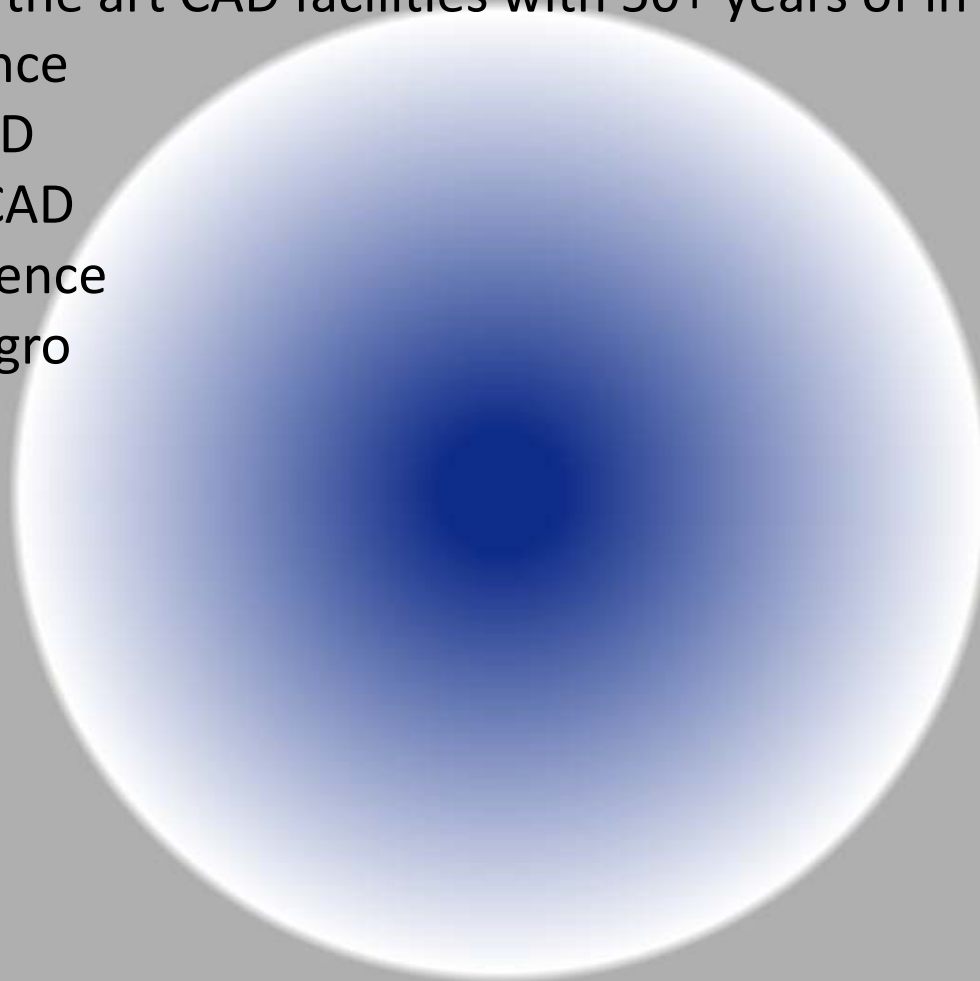
TECHNOLOGIES and MARKETS

- RF
- IR
- FPGA/CPLD
- Video/Digital Video/MPEG4
- GPS
- Synthesized voice
- Cellular
- Medical
- Automotive
- Education

DESIGN SERVICES

- Xceltronix is a complete one stop vendor for fully custom designs
- Custom enclosures, ruggedized, and military design expertise.
- A fully developed array of SBC's , development tools
- Complete turnkey solutions including custom and semi custom design
- Design Expertise
 - Work with customer to define requirements
 - HW/SW/FW specification
 - Complete documentation
 - Test plan generation and execution
 - Design for test and manufacturability

- State of the art CAD facilities with 50+ years of in-house CAD experience
 - PCAD
 - ORCAD
 - Cadence
 - Allegro



TOOLS

- Background Debug Module (BDM)
 - HC08/HC12
 - JTAG
- Free Assemblers/Compilers
- Debug Monitors/Device Programming Support
- Software examples w/source code
- 3rd Party Tool Suite

MANUFACTURING

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- New 15,000+ sq. ft. design, manufacturing, and test facility
- Fully equipped test lab
 - Logic/Network/Spectrum analyzers
 - Industrial oven
 - Board wash facility
 - Machine shop
 - Automated test fixtures
- Complete solder/desolder equipment for surface mount or through hole
- Ideal for small to medium scale production runs
- Development and custom circuit boards manufactured and tested

- 2 loading docks
- Climate controlled warehouse
- ESD controlled environment
- Engineering staff can review and recommend improvements to design
 - Noise reduction
 - High speed signals/impedance controlled signals
 - Power supply layout
 - Industry standards
 - Gerber data generation
 - Includes custom ruggedized enclosures for oil field use
 - Technical support/Application assistance



Let us assist with your next project

Contact Ken Beal at:

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Or

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THANK YOU