



INFINETIX

Concept through Production

Company
Overview

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Founded in 1994

INFINETIX was founded in 1994 by Bruce Weyrauch and Leon Schmidt.

Since 1994 the engineering group at INFINETIX has been servicing major electronics manufacturers throughout the Northwest and the world. We specialize in embedded controller designs to streamline existing products or provide new-cost-effective solutions to the electronics industry.

We have built a strong reputation and tend to work with many of our clients over the long term, with many of the relationships lasting 10+ years



Key Services:

01 HARDWARE

Electronic Design, FPGA/ASIC, Wireless Systems

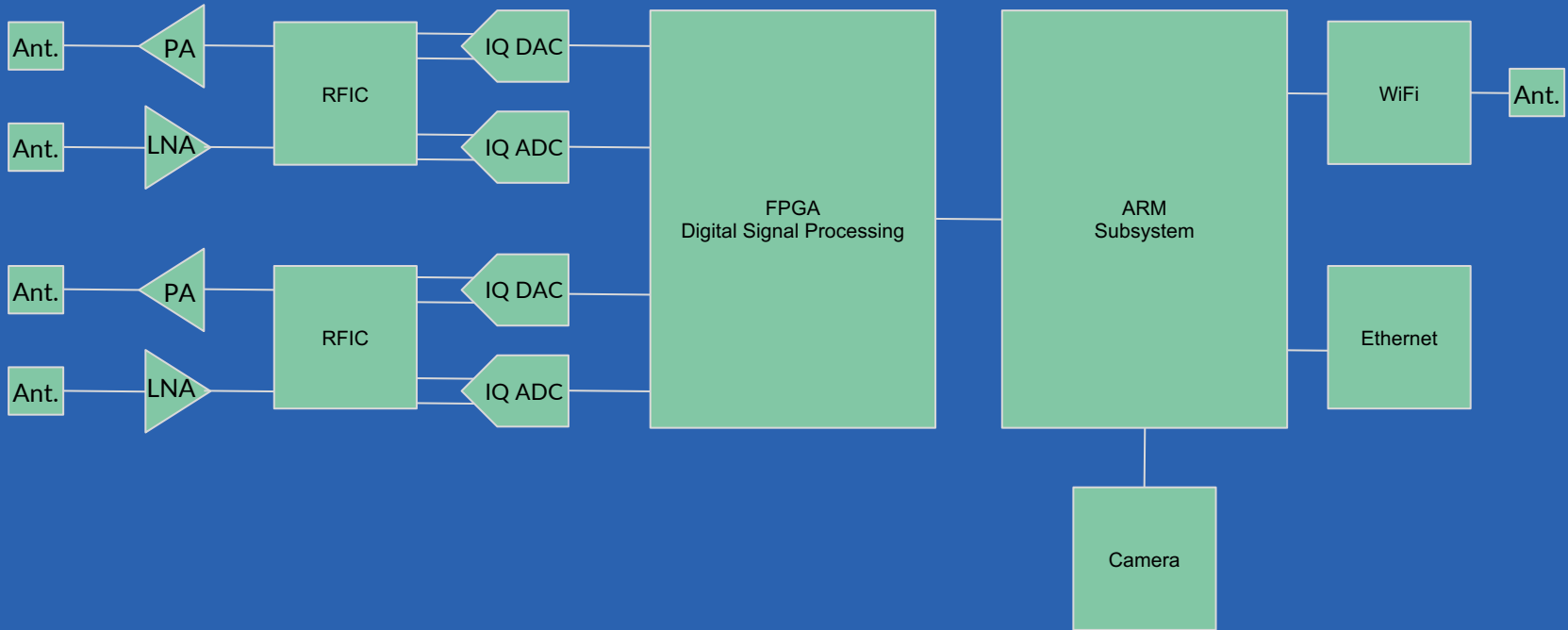
02 SOFTWARE

Custom Software, DSP, Control Systems, Wireless, Web,

03 ^{Mobile}CONSULTING

Project Management, Manufacturing

Example Block Diagram





Electronic Design

- Expertise in Analog and Digital Design
- Instrumentation Systems
- Digital Signal Processing
- Embedded Control Systems
- Video Systems
- Medical Systems
- Agency Certification Assistance (UL, CSA, FCC, etc)



FPGA/ASIC Design

- Expertise with all FPGA and ASIC tool Vendors
- Strong DSP Strength
 - CORDIC/FFT/IIR/FIR
- Complex SOC Designs
- Video Systems
- Control Systems
- Multi-Channel Software Defined Radios




Software Design

- Embedded Microcontroller Systems
- DSP Algorithms
 - Communications, Instrumentation, Motion Control
- Embedded Linux, FreeRTOS
- Driver Development
- Control Systems
- Wireless Communications
- Mobile App Development



PCB Design and Drafting

- All Phases of PCB Design
 - Electrical Drafting
 - Layout
 - BOM
 - Electronic Assembly and Fabrication Drawings
 - Support and Maintenance
- 



Manufacturing Support

- Prototype Manufacturing and test
- Production Test Fixture Development
- Contract manufacturing support

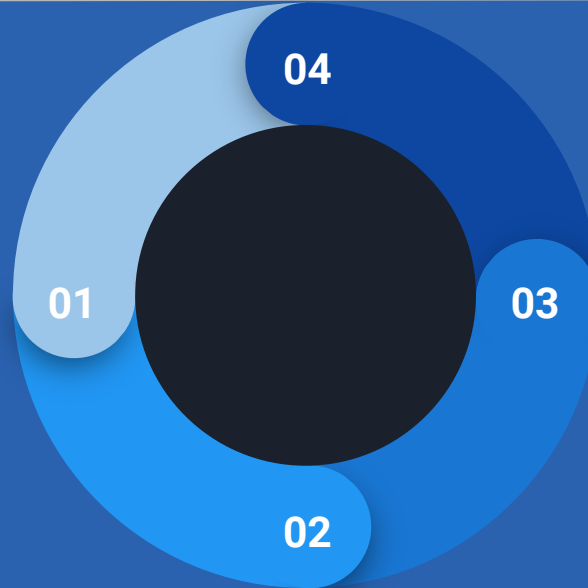
Development Cycle

Prototype

Prototype as many component elements as possible with off the shelf development boards

Refine

Refine the design based on the initial prototype. Complete the schematic.



Production

Optimize the design, reduce costs where possible, and work with manufacturing to optimize the design for manufacturing

Build/Test

Build initial units and test for functionality, reliability and certification



Customer Projects

- Wireless Meter Reading
- Software Defined Radios (ISM Band)
- Medical Robotic Chemistry Analysis Systems
- Medical Pneumatic Ventilator Monitor
- Medical CPAP machine
- Environmental Control Systems
- Remote monitoring of telecommunications equipment
- Laser Based Pico Projector
- LIDAR Systems
- Optical Imaging
- UGV/UAV operations
- Industrial Ultrasound systems
- Physical Training and Therapy Equipment



Thank you!

Questions/Comments?

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