About Us

Intelesys Corp is a locally owned small business that specializes in delivering high-end engineering products and services to the federal government. The company is staffed with cleared professionals having a wide variety of engineering skills and talents to solve the most challenging technical problems facing our customers.

Intelesys employees are proven professionals with a solid track record of skills and achievements to deliver best value solutions to our customers. With skill sets ranging from software and hardware engineering to network and systems engineering, our employees are prepared to face a wide variety of technical challenges. Our employees are detail-oriented, customer-focused, and enjoy working in a dynamic and productive team environment.

Our Philosophy

To provide best-value solutions and meet challenging customer timelines, Intelesys works with each customer to fully understand the requirements of each task. Intelesys strives to keep solutions comprehensive, yet simple and modular. This approach maximizes opportunities for re-use of hardware, software, and firmware modules for our customers, and allows us to provide reliable, high quality products, while minimizing maintenance, design time, costs, and risk.

At Intelesys, successful designs are also based on exceptional configuration management practices. Configuration management is incorporated into every task, providing version control, issue tracking, and test results for our customers. The configuration management style of Intelesys encourages peer review and documentation, leading to well-structured developments and documentation for our customers.

Hardware Experience

Platforms

- ARM
- PIC
- x86
- MIPS
- PowerPC
- Ubicom
- Numerous 8/16-bit microcontrollers

FPGA Expertise

- Xilinx
  - Virtex
  - Virtex II
  - Spartan
- Altera
  - Cyclone
  - MAX II
  - Stratix
- Actel
  - ProASIC

Bus Interfaces

- I^2C
- IR
- PCI
- USB
- IDE
- RS-232
- RS-455
- Ethernet
- HomePlug
- MIL-STD-1553

Communications Experience

Commercial Technologies

- GPS
- INMARSAT
- Bluetooth
- GSM
- SDR
- Various codecs

Networking

- Design of Complex Networks
- Device Configuration
  - Switches
  - Routers
  - Firewalls
- Compliance Testing
- Protocol Development
  - TCP/IP
  - MPLS, DiffSrv, BGP
  - Custom

Signals

- Modulation/ Demodulation
- Multiplexing/ Demultiplexing
- Spectrum Analysis
- Voice Compression
- Voice Activity Detection

Software Experience

Operating Systems

- Windows 2000, XP, 2003
- Linux
- FreeBSD
- SunOS/Solaris
- VxWorks
- µCOS
- DSP/BIOS
- eCos
- ipOS

System Level

- Windows Device Drivers
- BIOS
- Firmware
- Custom RTOS Development
- Reverse Engineering
  - IDA Pro
  - SoftICE

Applications

- GUI
- Plug-in Architectures
- XML
- Web
- Database
- Networking
- Enterprise/Multi-tier Design
- DirectX
- OpenGL
- .NET

Languages

- C/C++/C#
- Java
- Visual Basic
- VHDL
- Perl/Python
- Fortran
- SQL
- Assembly
- LabVIEW
- Matlab
- Shell (bash, tcsh, etc.)

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