Smart Devices

COMPUTERS THAT
CO-OPERATE!

Tiresias Technologies

Intelligent Systems are powerful embedded systems and devices that are inherently networked
The Internet of Things

Intelligent Systems

THE POWER OF THE NETWORK OF THINGS

> Distributed Control Systems

> Networked Devices

> Web Based Controls

> Embedded Systems

> Robotics

> Scientific Instrumentation

> Software/Firmware Development

> Hardware/Software Co-Design

> Sensor Networks

WHERE TECHNOLOGY MEETS INTELLIGENCE

Smart Enough?

Intelligent Systems are defined as those with high-performance microprocessors, connectivity and high-level operating systems. Or said another way, just about every significant device in the future including most things that surround you, support you and do work for you.

Science fiction is great, however we presently are nowhere near that Commander Data or Cylon level of synthetic intelligence, but we are making great progress. With the advent of multicore technologies, highly integrated processors, and advanced operating environments that are integrally networked the "what" something can do in a very small, extremely efficient and low power package has increased tremendously in recent years. Thus is born Intelligent Systems, the marriage of these devices with networks.

We are on the cusp of the "Internet of Things" being a reality. Everything connected to everything else. New applications, interfaces, wireless networks and hoards of microprocessors working in consort. This is the future, and it is being forged right now. And when you can put that much power into something, for so little cost, why wouldn't you do it?

Our engineers started in the embedded domain so they know the constraints that apply to embedded systems. Low power, power management, high performance, mission critical reliability, and resource optimization are the hallmarks of this space.   Add the layers of protocols, synchronization, coordination and distributed control that networks bring along with our expertise in hardware components and you have the picture. These are Intelligent Systems.

Given our background, experience, talent and expertise Tiresias Technologies is poised to help your organization to capitalize on this sweeping change. Finding it hard to take advantage of this new world? Need some help? Yeah, you are going to need some embedded/networking/real-time gurus to get that rolling. Guess what? You just found them.

Tiresias Technologies is an SBA registered Woman Owned Small Business

Where Intelligence Meets Technology

Intelligent Systems

"Describing the Internet as the Network of Networks is like calling the Space Shuttle, a thing that flies."

- John Lester

SWARMS OF PROCESSORS

Picture a group of networked processors working in consort with many processors doing some small part of a larger effort. Like a hive or colony. Picture a distributed machine, like the parts of a precision timepiece working in lock step, each piece, specialized and doing one thing really well. Picture a fabric of intelligent devices that grow by association, or can be "cut" or "damaged" and self-heal. These are all possible with Intelligent Systems.

By building with these technologies you can gain great flexibility, power and reliability. Tiresias Technologies understands and develops these kinds of systems for use in Government and Commercial applications. How can we solve your problem for you, today?

EXPERIENCE

Here is a very short list of projects/programs/customers our staff has done work for:

Army Research Lab	Philips Medical Systems
Agfa	Scientific Atlanta
Department of Defense	SPARTA
Honeywell ACS	Naval Observatory (USNO)
ITT Industries	Naval Research Lab
Jet Propulsion Laboratory	Wind River Systems
National Radio Astronomy Observatory	
Large Unnamed Government Agencies	

Tiresias Technologies

www.TiresiasTechnologies.com

Tiresias Technologies, Inc.
PO Box 191, Savage, MD 20763
301.526.0622

> Distributed Control Systems
Networked processing, data collection and control working in consort to solve problems of scale, proximity or remoteness.

> Networked Devices
Smart "things". Embedded web services. Routers, telecom, datacom. Protocol analysis.

> Web Based Controls
Human management interface and control of everything else we show on this page.

> Embedded Systems
Computers that are devices with defined roles and work to do, and do so with a limited footprint and resources. Want to know how something works? We can reverse engineer things too.

> Robotics
Take everything else we know, add some control theory and you get the picture. Motors, actuators, sensors, closed loops. If it moves, we can control it.

> Scientific Instrumentation
We speak "Scientist". Scientific devices and systems, electronics, optics, vacuum systems, sensors, detectors, data capture and analysis

> Hardware/Software Co-Design
If your project needs code to be a reality then you need us. Instead of one team working the hardware and another software, and both pointing fingers in integration, get one team. Hardware designed for software, and software that understands hardware.

> Sensor Networks
Distributed data collection. Networked arrays of intelligent sensors. Wired or wireless. Coordinated control and insight.