

# Electronic

# Engineering



**SinTau**  
Electronic Engineering

[www.sintau.it](http://www.sintau.it)

# Who is Sintau?

*Sintau is a leading edge SME consulting company, focused on IT, dedicated to continuous research and improvement in telecom area.*

*Sintau has gained in the recent past a deep knowledge about embedded system hardware and software development (SONET/SDH, ATM, Gigabit Ethernet, T1, E1, Wireless Interfaces as Tetra, GSM, GPRS, Bluetooth, IEEE 802.11, and UMTS, routers, IP phones and gateways) working as consultant for the most important italian IT provider (Telecom Italia, Wind, Marconi, Elsag).*

*Sintau has experience on Intel processors like Xscale IXP42x, IXP43x, ATOM and is involved in the Embedded Design Program*

## What Sintau can do

**Sintau involvement in your research and development program could be focused on:**

- ▼ validation of the developed modeling and analysis tools on embedded system prototypes
- ▼ development of test boards
- ▼ addressing of the most critical sections and interfaces on a embedded system
- ▼ integration of the developed tools in a typical SME hardware design flow
- ▼ EM measurements to verify the compliance of the developed boards to the european standards
- ▼ addressing of the most useful applications of an embedded system for the nowadays market





# Hardware Design

- Embedded systems design based on a wide spread of micro-processors AMCC PPC, Intel IXP4xx, ATOM and Celeron, Freescale MPC83xx, P10xx, Renesas, Samsung, Hitachi, Atmel AT91, Marvell Sheeva and ArmadaXP e Armada370.
- Design of the most used network interfaces as Ethernet, Gigabit Ethernet, ISDN, xDSL, WiFi, 3G, HDPA
- Complete design of switching and routing equipments
- Digital design by VHDL and Verilog (Altera, Xilinx, Atmel, Lattice)



# Software Design

- Embedded system software design based on the most performant and used operating system (Linux, uCLinux, RTLinux, VxWorks, Windows CE)
- Device driver development for the most important operating systems and peripherals
- Real time application development (VxWorks, RTAI Linux)
- Application development using many different programming languages (C/C++, Java, Visual Basic)
- Web Development (Apache/PHP/MYSQL or IIS/ASP based)

# Customers and Partnerships



**DUCATI** energia s.p.a.



**MSC Associati S.r.l.**  
architettura e ingegneria



SISTEMI ELETTRONICI  
PER ENERGIA  
AMBIENTE E COSTRUZIONI  
ELECTRONIC SYSTEMS  
FOR ENERGY  
ENVIRONMENT & BUILDINGS



ARROW ELECTRONICS



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