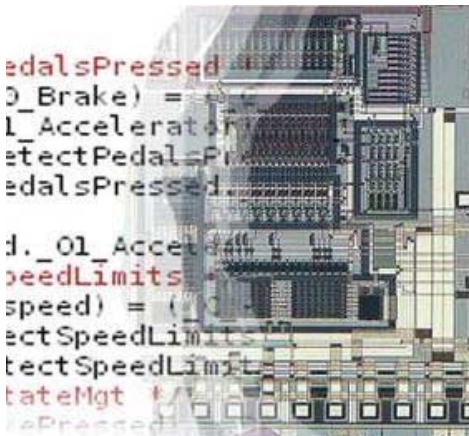


Real-Time Embedded Systems Programming Services

PF-PGM



PRAF Microcomputer Technologies is a company specialized on design and development of electronic and embedded computer systems for different fields, including industrial automation and control, medical electronics, communication, security and defense.

The company offers embedded and system software design, development and engineering services, in addition to the providing its electronic circuit design and electronic engineering services, for enterprises involved in the computer and electronic industries, and for organizations applying the computer technologies.

R&D team of PRAFTEC consists of well educated and qualified group of professionals those have the deep fundamental knowledge and practical skills, the strong experience both in computer programming and in electronic engineering.

Computer Programming Services Offered:

- System code design & development in C & in machine dependant Assembler
- Low Level Device Drivers & HW dependant code design & integration
- Multitasking Real-Time Embedded firmware code design & development
- Embedded Microcomputers based firmware code design & development
- 8/16-bit Microcontroller based firmware code design & development
- Time critical & size critical, machine optimized code design & development
- Mathematical calculating algorithms & libraries design & implementation
- DSP - Digital Signal Processing algorithms design & implementation
- PC console based (cmd, no GUI) utilities design & development
- PLC Logic Controllers FW development in C, Ladder, FBD, STL/IL
- PLC targeted Mathematical, DSP & Networking libraries design
- Binary image & Object file formats converting utilities development
- Computer system devices diagnostic utilities development
- MPU & MCU Software code reverse engineering

Microcomputer & Microcontroller Development Tools Available:

- MC68HC05/08, MSC-51/52, PIC-14/16/17/18, Z80/Z180/eZ80
- 68K, MC68302, MPC850 PowerPC, MCF5272 ColdFire
- Cosmic HC08 C Compiler, Debugger & In-Circuit Emulator
- MC68HC05/08 In-Circuit Programmers
- Microchip MPLAB ICD2 In-Circuit Debugger
- Ceibo DS-51/52 ICE MSC-51/52 In-Circuit Emulator
- Nohau EMUL51-PC ICE MSC-51 In-Circuit Emulator
- E/EPROM/ μ CU/PAL Devices different Programmers (ALL-07, LabTool-48UXP,..)
- Borland C/C++, MASM, MS Visual C++ Development Studio

Platforms Available:

- IBM PC, MVME
- MS DOS 6.22, MS Win ME/NT4/XP/..

Product and Application Experience:

- Industrial Command, Control and Automation
- Hydraulic Servo Valves Control & Servo Motor Control
- Missile & UAV/UAS Flight & Action Real Time Control
- Security, Global Positioning and Location
- Wired and Cellular Telephony, Industrial Networking, ARCNET, BACnet, Modbus
- Instrumentation & Measurement

**"Mathematics is the Queen of the Sciences"
Carl Friedrich Gauss (1777–1855)**

And Computer Programming is not a Buffoon of The Fucking Internet,
The Programming is Just a Devoted Slave of The Mathematics.

O. G. PRAF (2014)