



Kreon Technology (Pty) Ltd

Definitive Electronic Engineering Solutions



Kreon Technology has established itself as a leading developer of state-of-the-art electronic sub-systems that focuses on the defence and high-end industrial sectors. Complete solutions are provided, including system engineering, algorithm development, electronic hardware development, embedded software development, application software development, and low volume manufacturing. Kreon Technology is an **ISO 9001: 2000** certified company.

Engineering Services

Hardware Development

- Digital Signal Processor design (TI, Motorola, SHARC, Analog Devices)
- Microprocessor design (Motorola MPC603, AMCC PPC440, Intel)
- Microcontroller design (8051, PIC, Motorola)
- FPGA design (Altera, Xilinx, Actel)
- System interface design

Software Development

- Embedded Digital Signal Processing applications
- Embedded real-time control applications
- Application software (Windows, Linux)
- Custom hard real-time kernels
- Driver software for ISA, PCI and cPCI

Manufacturing

- Component procurement, PCB sourcing & assembly
- Qualification to client specifications

Application Experience

- Digital Signal Processing
- Image and video processing
- Neural networks
- Simulators
- Data acquisition
- Communications
- Industrial control
- Re-targeting obsolescence

Products

- Motorola MPC603 boards
- PCI and cPCI cards (DSP, I/O, ARCNET, HDLC)
- Actuator Sensor Interface (AS-I Profile S-B.A.E)
- MPC603 real-time kernel
- TCP/IP Win-Socket Server
- Harsh environment data recorders



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