



Company Profile



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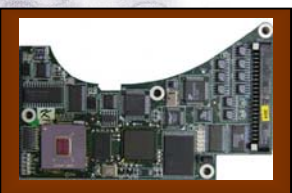


1. Company Background



Established in 1993, Kreon Technology has become a leading developer of state-of-the-art electronic sub-systems that are aimed at the defence and high-end industrial sectors. Complete solutions are provided, including system engineering, algorithm development, electronic hardware development, embedded and application software development. Well established links with various role players in the industry put Kreon Technology in a position to provide a one-stop service to clients for the supply of electronic sub-systems, including volume manufacturing.

Today, Kreon Technology is ideally positioned to provide design and development services to companies outsourcing product development. The organization's objective has always been to achieve the highest standards of quality in engineering services and to provide expertise with a professional, pro-active and motivated team of people. Transparent communication with clients is maintained throughout the product development life cycle.



2. Market

Kreon Technology has well established relationships with some of the major defence companies in South Africa. Through these relationships Kreon Technology has gained considerable experience in the development of electronic sub-systems for the defence industry.

In the industrial sector, Kreon Technology has performed development work for large mining companies on components of their automated processes. For other clients development has been done on process control, data management systems and communications systems, and these have been successfully implemented for various applications. Components and sub-systems are currently supplied to some of these clients in volume, and maintained.



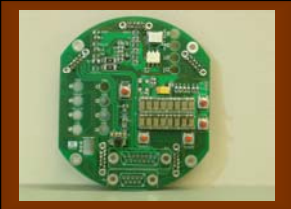
3. Services



Kreon Technology focuses on the development of complete sub-systems for their clients. Such sub-systems fulfill a specific role in a larger system, e.g. a directed platform controller in a weapons delivery system. Sub-system development encompasses the following engineering disciplines:



- **System Engineering**, using MIL-STD-490A as guideline, tailored to the specific requirements.
- **Engineering Management**, using a set of tools to plan and monitor the cost and schedule of projects.
- **Software Development**, with the company's Software Development Standard based on MIL-STD-498 and RTCA/DO-178B. Software engineers work in close collaboration with the system engineer and hardware engineers throughout the concept design and detail design phases of projects. Software performance areas are identified early, and appropriate techniques are applied during the design and implementation phases.
- **Hardware Development**, with the company's Hardware Development Standard based on RTCA/DO-254. A design-to-cost methodology is used throughout the specification and design phases to achieve the most cost effective solution that meets the required system performance. The focus is on high-speed, real-time efficient platforms for embedded applications, as well as on Application Specific Standard Products (ASSP) for Commercial-Off-The-Shelf (COTS) platforms such as Compact-PCI or PMC.
- **Test and Qualification**, where custom designed automated test equipment forms part of the manufacturing strategy, to provide products that conform to system requirements, which in turn provide clients with turn-key solutions.
- The company has a well established link with a huge manufacturing house which puts the company in a position to provide a one-stop service to clients for the supply of electronic sub-systems, including **Volume Manufacturing**.



4. Products

Kreon Technology has a range of in-house developed products that can be summarized in the following categories, detail specifications being available on the web-site:

- A number of different high-end CPU cards. These cards implement processors such as the DSPs from Texas Instruments, or the PowerPCs from Motorola and AMCC. An in-house developed hard real-time kernel is available for these cards. This kernel uses a layered structure, and has proven itself in various applications. Embedded Linux is also available as operating system.
- A range of data loggers. Using Flash Disk technology, it has been possible to achieve very high density data storage at a substantial bandwidth.
- Software products such as a TCP/IP Win-Socket server. This server has been used in applications such as tracking systems, SMS based remote monitoring, telemetry display systems and remote control systems.
- A range of PCI and Compact PCI cards. These cards implement solutions for DSP, communication, data logging and general purpose analog sampling and I/O control.
- GSM based data communication units. These units are used for remote sensing and remote control.

5. Business Processes

Kreon Technology prides itself on its comprehensive, yet compact and cost efficient processes that have been established, and are to the benefit of all projects and clients. These processes are contained in the company's Quality Management System (QMS), and include Configuration Management, Change Control, Maintenance Control, the various Technical Development processes, and other company administrative processes.

Kreon Technology is an ISO 9001:2000 Certified Company.



6. Existing clients

- Denel Dynamics
- Zeiss Optronics
- Denel Lyttelton Engineering Works
- De Beers Consolidated Mines
- Observer Technologies
- SAAB Avitronics
- Bellingan Engineering Development
- CSIR
- Spero Sense
- Optocon Systems
- Lodox Systems



7. Contact Details

Tel: +27 (12) 844 0930

Fax: +27 (12) 844 0935

URL: www.kreon.co.za

Email: info@kreon.co.za

Postal address: PO Box 72489,
Lynnwood Ridge, 0040

Physical address: Suite U 12, Enterprise Building,
The Innovation Hub,
Meiring Naudé Road,
Pretoria

Associations



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