



For Immediate Release

Mistral Announces Modular Chassis from Elma to Meet the Demanding Military Requirements

Bangalore, December, 2003 - Mistral Solutions Pvt. Ltd., a leading provider of complete technology solutions and professional services in the embedded space, announces the availability of 12R2 COTS system from Elma Electronics. Responding to the pressure for reduced cost and accelerated project timescales, this modular chassis is specifically developed to meet the demanding military requirements of mounting VME, VME64X or CompactPCI in fighting vehicles on land, sea and air.

By analysing structural and configuration needs across a wide range of applications including tanks, helicopters and submarines, Elma has designed the new 12R2 COTS system with coordinated off-the-shelf frames, covers, ruggedised side-plates, vibration isolators and multi-functional extrusions. The 12R2 COTS system also includes pre-characterised sub-assemblies such as backplanes, fans, power supplies, filters, controls and indicators, providing a versatile route to meeting military standards such as MIL-STD-461D (EMC), -810E and -167 (shock and vibration) with minimum risk.

The heart of the 12R2 COTS system is a range of specially designed welded side-plates and custom extrusions, with all plates protected by a chemical conversion coating to Mil-C-5541E Class 3. The ruggedised side-plates provide structural integrity, while the versatile extrusions enable configuration to suit specific size and shape requirements. The system also includes a comprehensive range of electrical options, including wiring looms and patch panels, together with advanced gasketing and shock / vibration isolation.

Not only is cost and risk reduced by holding pre-qualified military-grade components in stock, but the comprehensive electrical screening and mechanical isolation options provide a benign internal environment, enabling COTS cards and peripherals to be

safely deployed in rugged applications. The system is fully supported by Application Notes, and Elma's customisation service can deliver a complete customised system, tested and ready to receive plug-in cards

About Elma

Elma is a leading manufacturer of electro-mechanical components and systems for the Telecommunications, Medical, Industrial control, Instrumentation and Defense industries. Elma offers an extensive line of VME, VME64X, VXI, Compact PCI (CPCI) enclosure and chassis for 19" rackmount use. In addition, to our systems products our innovative selection of Eurocard, IEEE1101.10 and front panel components (LEDs, knobs, test points, etc) is the most comprehensive in the industry. Elma also manufactures a premium line of rotary switches and encoders.

The Elma Group has its headquarters in Wetzikon, Switzerland. The Elma Group incorporates production facilities in Switzerland, Germany and the USA as well as company owned sales organisations in Switzerland, Germany, USA, France, Great Britain and Israel.

About Mistral

Mistral Software is an ISO 9001:2000 certified premier Product Realization Company providing end-to-end design services for embedded product design and development. Mistral has expertise in complex real-time solutions, RTOS, driver development, DSP, communication protocols, FPGA and hardware board design. The company has several re-usable software and hardware components that can help organizations get their product-to-market faster. Mistral has operations in USA, Japan, Germany and India.

For more information visit www.mistralsoftware.com.

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