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„Robust and cost-effective - Campus Micro Technologies GmbH (CMT) presents a novel multifunctional sensor for fluid condition monitoring“

Campus Micro Technologies GmbH (CMT) presents a novel miniaturized sensor for analysing of fluid conditions. Aging effects in operating supplies like lubricants and brake fluids are detectable as well as mixing ratios of binary fluids in, for instance, fuel cells or the condition of flushing liquids in washing machines and dishwashers. With this sensor unneeded changes of operating supplies can be prevented and abnormal variances can be continuously monitored. Furthermore, the analysis of mixing ratios permits the optimising of process controlling.

The chemically highly-resistant sensors are mounted in a SMD compatible package with JEDEC SOIC-8 outline. The sensors can be integrated together with an application specific signal processing circuit (ASIC) onto a hybrid or they can be included within a cost-effective plastic enclosure.

CMT will present this sensor solution at the 11th International **Sensor** Trade Fair and Conference, May 13-15, 2003, in Nuremberg (**Hall 9, booth no. 155/157**, IVAM Pavilion).

CMT has broad expertise in the field of liquid analysis systems, especially in physical sensors for sensing chemical quantities as well as advanced temperature sensing elements for several years. An integrated sensor system was developed for a leading automotive supplier which is currently in preparation for series production.

For a customer-oriented alignment of similar developments for other applications CMT is looking for innovative and qualified industrial partners.

CMT was founded with the objective of realizing individual and innovative solutions for sensory problems for industrial customers using microsystem technologies. For this, CMT develops microsensors and complete sub-systems together with the customer, sets up the production chain and supplies the microsensor or sub-system to the customer. In addition, CMT performs the final product specific calibration and test and ensures product quality and traceability by linking all production data.

Due to strategic alliances and its partner network with research and development centres and commercial chip foundries, CMT is able to offer a broad spectrum of development services and state-of-the-art fabrication technologies of microelectronics and microsystems from one source. By this means, customer targets are reachable in a rapid, cost-effective and flexible way.

The range of services offered comprises the analysis of requirements, the formulation of customer-specific microsensor solutions, the execution of feasibility studies including measurements in the application, the preparation of a product concept with series production, packaging and signal processing as well as the development and realization of prototypes, qualification samples and finally the series product.

Further Information:

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