



## NEWS

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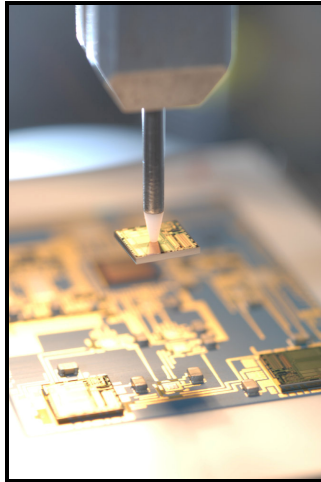
### **C-MAC MicroTechnology partners with CISSOID to develop state-of-the-art high temperature microelectronic solutions**

C-MAC MicroTechnology and Belgium-based CISSOID have today agreed a strategically important partnership that will lead to the development of high reliability components, modules and sub systems for high temperature applications operating up to 225°C. The two companies combine a wealth of design and manufacturing experience in high temperature microelectronics and will expand their existing customer relationships in the oil, gas, aerospace, defence, automotive and space industries. The relationship puts C-MAC and CISSOID at the forefront of high temperature microelectronic solutions.

Paul Hill, General Manager, of C-MAC MicroTechnology said "I am extremely pleased and excited with this collaboration with CISSOID. It is perfectly aligned to our long term strategy to extend our high reliability products and technologies into very high temperature applications. We are increasingly seeing the demand for microelectronics capable of operating in extremely challenging environments across a range of applications and industries. We have invested in pushing the boundaries of our existing technology into these higher temperature ranges and the relationship with CISSOID is part of this programme. Through this collaboration it is our intention to offer a range of products and electronic solutions capable of satisfying requirements to operate at temperatures up to 225°C."

C-MAC will bring its extensive knowledge and manufacturing capability with high reliability chip and wire electronics technologies to provide fully functional 'Plug and Play' modules integrating CISSOID's established range of high temperature semiconductor products. The portfolio of products will operate within specification up to 225°C and will provide combinations of functions including voltage regulation, voltage references, analogue to digital converters, amplifiers, high voltage MOSFETs and drivers.

Tony Denayer, CEO of CISSOID said "The partnership between C-MAC and CISSOID will provide our customers with the solutions they expect. C-MAC modules meet the highest quality and reliability standards, powered by CISSOID semiconductors that have demonstrated unchallenged temperature performances, from cryogenic to extreme high temperatures. This is one more step in the deployment of our strategy to get closer to the needs of our oil and gas and aerospace customers and to bring innovative solutions to the automotive and medical industries".



Semi-conductor die assembly on a C-MAC module.

#### **NOTES FOR EDITORS:**

Headed by Indro Mukerjee, **C-MAC MicroTechnology** is a world leader in high-reliability electronic systems, modules and components for harsh environments such as extremes of temperature, vibration and shock. C-MAC operates primarily within the defence, aerospace, automotive, space, medical and specialised industrial sectors. The head office is in Buckinghamshire, UK and the company has design and manufacturing facilities in the UK, Belgium and Canada, with additional dedicated sales and customer support teams throughout Europe and the USA. C-MAC has extensive electronics design and manufacturing expertise geared to its target industries.

Technologies and manufacturing processes at production sites at Great Yarmouth in the UK, Sherbrooke in Canada and Ronse in Belgium include thick-film printing on ceramic and other substrates, surface-mount hybrid circuits, DC/DC power modules, direct-attach flipchip, low-temperature cofired ceramic (LTCC), chip-on-board (COB), multichip module (MCM) assemblies and PCB assembly. These manufacturing resources are complemented by an integrated design-to-test service encompassing ASIC design as well as analogue, digital, RF, mixed-mode and thermal simulation. C-MAC also operates a UKAS-approved test facility, where an extensive range of product qualifications and tests are carried out to internationally recognized standards.

**Cisoid** is a leader in high temperature electronics providing monolithic semiconductor solutions and the pioneer in Silicon-on-Insulator (SOI) products with over 20 years of background and R&D in SOI. As a leading fabless semiconductor company, Cisoid delivers standard products and custom solutions meeting high temperature requirements, primarily to the oil, gas, aerospace and automotive industries.

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