



CMC and Micralyne partner to develop a solution for chip integration

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CMC Microsystems is working with innovative researchers from across Canada's National Design Network®, and a leading Canadian microsystems manufacturer, on an efficient technology platform for integrating components from different technologies in dense, high-performance modules.

This multi-technology interposer platform will give academic and industrial researchers a novel, made-in-Canada solution for physically integrating multiple chip technologies in a single package, lowering manufacturing costs and enhancing device performance. Users will be able to design, build and assemble a custom module for their application, whether it be Internet of Things (IoT), life sciences, advanced manufacturing or environmental monitoring.

CMC is working with Micralyne, Edmonton-based microsystems fabrication specialists, to manufacture interposer-based modules incorporating semiconductor wafers with Through Silicon Vias (TSVs), the key interconnect of silicon interposer technologies.

"We have a long relationship with Micralyne and this latest collaboration makes great use of our collective capabilities, from existing CAD tools and fabrication services already available, to integration resources and expertise," says Gord Harling, President & CEO of CMC Microsystems. "The platform architecture is open and modular, with defined interfaces, enabling designers and manufacturers in Canada and elsewhere to use and contribute to the initiative. CMC will help coordinate platform enhancements and Micralyne provides a path to high-volume fabrication."

"Micralyne is pleased to provide this technology based on its successful wafer-level packaging, MicraSilQ™ platform," says Ian Roane, President and CEO of Micralyne. "Building off Micralyne's market-proven TSVs, the wide variety of applications for these interposer modules will allow us to find and serve new markets."

Contact:

Gord Harling
President & CEO
P: +1. 613. 449. 6820
E: harling@cmc.ca

About CMC Microsystems

CMC Microsystems works with researchers and industry across Canada's National Design Network, providing access to world-class tools, technologies, expertise and industrial capabilities for designing, prototyping and manufacturing innovations in microsystems and nanotechnologies. CMC reduces barriers to technology adoption by creating and sharing platform technologies.

www.cmc.ca



About Micralyne

Micralyne is one of the world's leading independent developers and manufacturers of MEMS and micro-fabricated products. Serving the worldwide growth in sensor applications, Micralyne is a key provider of MEMS sensors and other microstructures that differentiate exciting applications such as IoT devices, medical devices, and optical communications.

Headquartered in Edmonton, Alberta, Canada, Micralyne's diverse customer base includes Fortune 500 companies, mid-range industrial and biomedical companies, and pioneering high-tech start-ups. With a proven manufacturing track record and a rich development history, Micralyne commercializes complex MEMS devices to enable the intelligence and interactivity of its customers' products.

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