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Rakon Limited (NZX: RAK), a high technology manufacturer of frequency control and timing solutions, is pleased to announce the launch of its next generation MercuryX™ product range for AI and cloud data centres, and next-generation telecom networks.

The MercuryX Integrated Circuit - Oven Controlled Crystal Oscillator (IC-OCXO) product range combines Rakon's in-house designed Mercury+™ semiconductor chip with the company's groundbreaking XMEMS^{®1} quartz crystal resonators. This fusion of proprietary Rakon technologies is setting new industry benchmarks for unparalleled performance in an ultra-compact design and enables market leading products in the smallest possible package.

The launch of the MercuryX product range expands Rakon's AI computing hardware product portfolio. The ultra-high stability and performance characteristics of MercuryX IC-OCXOs make them an excellent fit to deliver the precise timing and synchronisation required by data centres to meet the additional demands created by AI workloads.

The growth of Rakon's AI computing hardware product portfolio caters to an emerging core market for the company. Rakon continues to work closely with leading players in AI computing hardware to enable the next generation platforms, and is projecting tangible substantial benefits, in terms of design wins, collaborations, and potential revenue growth, within the next 12-15 months.

In addition to AI computing, Rakon's MercuryX based products are designed to meet the needs of other demanding applications such as 5G, 5G Advanced and 6G telecommunications networks, and are also well suited to satellite terminal and instrumentation applications.

The MercuryX product range is a direct result of Rakon's focused investments into strategic initiatives that fuel innovation and enhance the company's competitive edge. Initial samples of MercuryX products have already generated high interest from Rakon's tier 1 customers.

The development of its own in-house resonator and chip technology allows Rakon to control its product roadmap, creating market-leading products like MercuryX that are independently manufactured in its factories in New Zealand and India, providing customers with high security of supply.

Rakon is on track to release its next IC-OCXO product range towards the end of the year - incorporating a new in-house designed semiconductor chip, Vulcan™ with its leading XMEMS[®] technology.

For more information on the new MercuryX IC-OCXO specifications and availability, please visit <https://www.rakon.com/mercuryX>.

¹ XMEMS[®] is Rakon's advanced resonator technology. It uses Rakon's proprietary NanoQuartz™ photolithographic microfabrication process to develop next generation products that can't be manufactured with conventional mechanical processing methods.



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About Rakon

Rakon is a global high technology company and a world leader in its field. The company designs and manufactures advanced frequency control and timing solutions. Its three core markets are Telecommunications, Positioning and Space and Defence.

Rakon's products are found at the forefront of communications where speed and reliability are paramount. Its products create extremely accurate electric signals which are used to generate radio waves and synchronise time in the most demanding communication applications.

Rakon has three manufacturing plants, six research and development centres, and sixteen customer support offices worldwide. Founded in Auckland in 1967, Rakon is proud of its New Zealand heritage. It is a public company listed on the New Zealand stock exchange, NZX, ticker code RAK.