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RASIRC®

RASIRC Expands Nitride Hub Program to California with New Facility at UC San Diego

San Diego, CA — September 29, 2026 — **RASIRC**, a leader in gas delivery systems for semiconductor manufacturing, is proud to announce a major expansion of its rapidly adopted **Nitride Hub** program to California. Building on the program's success at UT Dallas, RASIRC will open a second dedicated laboratory for advanced metal nitride development at the **Qualcomm Institute at UC San Diego**, adjacent to the state-of-the-art **Nano3 fabrication facility**.

The Nitride Hub has demonstrated its value at UT Dallas by providing major industry partners with a secure, IP-protected environment for rapid precursor screening. The new San Diego location expands the program's capabilities, providing chemical manufacturers, OEMs, and semiconductor end users with an advanced environment designed to accelerate materials development and semiconductor R&D.

Key Features of the San Diego Nitride Hub:

- **Scaled Hardware:** A new load-locked 6-inch Kurt J. Lesker ALD system will enable advanced film optimization and electrical performance testing.
- **Rapid Screening and Iteration:** Side-by-side precursor evaluation using multiple nitrogen reactants, supported by fast-tracked EHS approvals for hydrazine and most metal nitride precursor classes.
- **Dedicated Engineering:** RASIRC's PhD process engineers will directly collaborate with partners and conduct all testing and metrology.
- **Advanced Metrology:** Seamless access to advanced, industry-grade metrology at the Qualcomm Institute will support comprehensive material and device characterization.

This expansion represents a significant advancement in how RASIRC supports the semiconductor industry, enabling chemical manufacturers, OEMs, and end users to more efficiently develop new technologies, optimize processes, and screen next-generation materials in a secure, collaborative environment.

About RASIRC®

RASIRC develops innovative gas delivery technologies that convert low-vapor-pressure liquid chemistries into safe, reliable, and precise gas flow. Its products, including BRUTE® Peroxide, BRUTE® Hydrazine, the Peroxidizer®, and the RainMaker® Humidity System, deliver controlled, repeatable gas concentrations for advanced semiconductor processes.

Call 858-259-1220, email ldiaz@rasirc.com, or visit <http://www.rasirc.com> for more information.