

2005 Marks A Year of Blue Chip Customer Wins for Nanotechnology Pioneer SiGNa Chemistry

Having secured a handful of the chemical industry's biggest players, including: BASF, DuPont, ExxonMobil, Motorola, Pfizer and Shell Chemical as customers, advanced materials startup SiGNa Chemistry LLC looks to maintain its remarkable momentum into 2006 with a growing pipeline of innovations and strategic partnerships. This year's major customer wins hinged on SiGNa Chemistry's core technology, an absorption of alkali metals into nanoporous oxides that allows these enabling materials to be utilized with predictable reactivity not otherwise obtainable.

New York, NY (PRWEB) December 20, 2005 -- Having secured a handful of the chemical industry's biggest players, including: BASF, DuPont, ExxonMobil, Motorola, Pfizer and Shell Chemical as customers, advanced materials startup SiGNa Chemistry LLC looks to maintain its remarkable momentum into 2006 with a growing pipeline of innovations and strategic partnerships. Additional milestones this year include the signing of Sigma-Aldrich, a leading life science and high technology company, as distributor for SiGNa's reduction agent product and an article by Dr. James Dye, one of the founders of SiGNa Chemistry. Dr. Dye's paper, "The Synthesis of Thermally Stable Electrides," was featured in the October 2005 issue of Chemical & Engineering News.

This year's major customer wins hinged on SiGNa Chemistry's core technology, an absorption of alkali metals into nanoporous oxides that allows these enabling materials to be utilized with predictable reactivity not otherwise obtainable. Chemists have been working with alkali metals for more than a century now, and the broad array of potential applications in industries ranging from petrochemical to pharmaceutical is widely known. However, alkali metals have had limited use due to their combustible nature when exposed to moisture or air, and have faced substantial storing and handling costs, including safety procedures and regulatory compliance. Now, leveraging SiGNa Chemistry's patent-pending technology, which safely crosses the chasm by producing an inert, safe-to-handle powder from alkali metals and silica gel, industry giants are able to benefit from the inherent properties of these materials and produce chemical reactions that are highly useful throughout scientific and industrial sectors.

"This year we set our sights squarely on sectors such as micro-fuel cell, pharmaceutical and petrochemical, all markets ripe with opportunity to take advantage of our technology," Michael Lefenfeld, SiGNa Chemistry CEO and chief scientific officer. "As we look ahead to 2006, we will not only build upon the many partnerships we've established, but will continue to pursue new avenues in which our technologies can impact and influence the world around us."

The company's initial focus rested on the growing markets of hydrogen production and chemical reactivity, where it has successfully developed revolutionary methods and materials to accurately purify chemical compounds. This powerful technology holds the key to harnessing power of alkali metals for generating low-cost hydrogen energy and streamlining industrial processes from pharmaceuticals to ecological remediation.

SiGNa Chemistry is currently in negotiation with several Fortune 100 companies, including agreements for supply, sales, and licensing of its core technology. Accolades for SiGNa Chemistry in 2005 included selection as BusinessWeek's Top 20 Entrepreneur, Editor's Choice in Science Magazine, selection by Red Herring as 'Top Innovator', feature as 'Company to Watch' by Forbes/Wolfe Nanotech Report, a Chemical &



Engineering News highlight of SiGNa Chemistry's alkali metal platform, and coverage from the New York Times, CNet and Red Herring.

About SiGNa Chemistry, LLC.

SiGNa Chemistry is an early-stage company developing unique solutions to compelling chemistry problems through the power of interdisciplinary science. SiGNa is positioned to develop and deliver a host of solutions to a wide range of scientific applications and industries. The company's advanced materials will deliver new products to academic and industrial markets as diverse as pharmaceutical synthesis, petroleum refining, organometallics, catalysis, and hydrogen energy. For more information: <http://www.signachem.com>.

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