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Applied NanoWorks MCP Technology™ Platform Now Available Process creates new inorganic molecules compatible with organic material systems

Rensselaer, NY. August 12, 2008. Applied NanoWorks, an inorganic materials development company, announces the availability of MCP Technology™ for research and development, joint development agreements and material manufacturing applications. The MCP Technology™ patent-pending process creates new inorganic molecules for custom applications in organic material systems. The flexibility and organic compatibility of the designed molecules are enabled through ligand attachment sites and nano-particle growth capabilities

The MCP Technology™ process is being applied to creating new catalysts, thin films and functional polymers where mechanical, electrical and optical properties are important. Applications currently in development through the Molecular Control Platform (MCP) are:

- Oxydesulfurization catalyst for oil and oil distillates
- Water-soluble tin oxide thin film precursor for photovoltaic application
- Non-halogenated flame retardants for plastics and coatings
- Water soluble, green catalysts with
- tailored reactivity and selectivity
- Tailored single and multi-metal catalysts
- Advanced bonding agent for several different materials applications
- Adhesion promoter for improvement of adhesion strength in composites

“Our MCP Technology platform has the capability to deliver thousands of completely new inorganic molecules from one cost-effective manufacturing process.” said Dr. Kyle Litz, ANW’s Chief Technology Officer. “With it we have the tool to solve many material system application problems that before were extremely cumbersome or unattainable.” The technology has the potential to work with 57 different inorganic elements to create thousands of new molecules, designed to deliver specific functionalities to organic material systems.

MCP Technology™ creates new inorganic molecules with the flexibility to adjust solubility parameters, reactivity rates, and provide seamless compatibility with any organic material. With this flexibility new mechanical, electrical and optical properties of inorganic elements can be made fully compatible to the organic materials markets

“Our advanced Molecular Control Platform provides material manufacturers with new degrees of chemical freedom,” said Eric Burnett, CEO of Applied NanoWorks, “degrees of freedom that shorten new material system development cycles and will enable disruptive new product applications.”

Applied NanoWorks is an inorganic materials development company focused on creating inorganics that provide new levels of performance required to build successful material systems for a clean tech world. For information you can find us at
www.appliednanoworks.com
or call 518.471.5780