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## **DIELECTRIC SOLUTIONS AWARDED RESEARCH GRANT**

*To Develop New Product For High Speed Digital And Wireless Circuitry*

Pittsburgh, PA—February 23, 2004 Dielectric Solutions, LLC, an advanced materials company specializing in high performance glass fiber products, today announced that it has been awarded a research grant to develop a new product for high speed digital and wireless circuitry. The grant was awarded by the Pittsburgh Digital Greenhouse, a research consortium sponsored by the state of Pennsylvania that helps foster economic development in system-on-a-chip and related electronics technologies.

Todd Kadar, President and CEO of Dielectric Solutions, said that the company expects to invest up to \$300,000 to continue development of the new technology. According to Pittsburgh Digital Greenhouse guidelines, at least 25% of the project funds must come directly from the company. "Dielectric Solutions, in partnership with the Pittsburgh Digital Greenhouse, is making a significant investment to advance the development of a new glass fiber material for next generation, high speed electronic devices. We have already proven the effectiveness of our proprietary glass fabric technology in a number of diverse markets. We are now poised to combine this technology with a new high performance glass for leading edge electronics, where we will help the industry make the next big leap forward in circuitry performance."

David Ruppertsberger, President and CEO of the Pittsburgh Digital Greenhouse stated that many of their member companies have a keen interest in tracking the progress of this project. "A good number of our members will benefit from applications of this product in electronics. We are quite pleased with the

company's plan to leverage our research funding through their own private investment to develop a new product line based on this technology. This project is a great example of how the Greenhouse collaborates with regional companies looking to expand their operations."

John Kuhn, Vice President and Chief Technical Officer of Dielectric Solutions, added that the new glass fiber material's differentiator is its low dielectric constant. "That advantage, combined with its ability to be used in all the standard industry processes for advanced circuitry, positions the fabric to be the springboard for the next wave of advancement in high-end electronics. Until now, many technology advancements have been hindered because existing materials could not support the electrical requirements. We're changing all that with this low dielectric constant glass."

Dielectric Solutions, located in East Butler, Pennsylvania, has developed a revolutionary process for producing ultra-light-weight glass fiber fabric, a key component of many advanced electronics products. The Company's process requires 50 percent fewer processing steps than traditional methods, reducing handling, and increasing efficiency and product quality. The process also results in a superior performing product that is typically much thinner and stronger, with improved electrical, thermal, and other properties as compared to other commercially available products. In addition to electronics, Dielectric Solutions' products are being used in a wide variety of high-tech composite applications in industries such as aerospace, construction, and petroleum.

*For more information, contact Todd Kadar or John Kuhn at 724-284-9883, or email to [info@dielectricsolutions.com](mailto:info@dielectricsolutions.com)*

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