



LIGHTWAVE LOGIC™

*For Further Information Contact:*

Jim Marcelli  
Lightwave Logic  
302-356-2717

[jmarcelli@lightwavelogic.com](mailto:jmarcelli@lightwavelogic.com)

Phillips W. Smith  
Lightwave Logic  
480-280-9192

[phil@lightwavelogic.com](mailto:phil@lightwavelogic.com)

Paul G. Henning  
Cameron Associates  
212-554-5462

[phenning@cameronassoc.com](mailto:phenning@cameronassoc.com)

## **Lightwave Logic Verifies Successful Electrical and Optical Performance of Its Prototype Phase Modulators**

*Focus on application engineering partnerships with large system suppliers*

**Newark, Delaware – March 12, 2010:** Lightwave Logic, Inc. (OTC BB: LWLG) a technology company focused on the development of the ‘Next Generation Electro-Optic Polymer Material Platform’ for applications in high speed fiber-optic data communications and optical computing, announced the successful electrical and optical performance testing of its prototype phase modulator, which concludes the Scientific evaluation stage of its testing.

“These successful test results now enable us to exit the scientific evaluation mode and move forward with the Application Engineering of our technology in customer design environments,” stated Jim Marcelli, CEO. “We will now begin working directly with interested large system suppliers to attempt to engineer specific individual product materials and device designs for sale to or by these suppliers -- which substantially moves us towards the revenue stage of our development.”

“We selected the phase modulator structure for initial fabrication because it is the telecommunications industry’s preferred deployment of high speed modulator technology,” said Dave Eaton, CTO of Lightwave Logic, “and once we overcome any engineering issues that may arise, we expect to see the successful use of our technology within the telecommunications industry.”

### **“Powered by Lightwave Logic”**

Lightwave Logic, Inc. is a development stage company that is producing prototype electro-optic demonstration devices and is moving toward commercialization of its high-activity, high-stability organic polymers for applications in electro-optical device markets. Electro-optical devices convert data from electric signals into optical signals for use in high-speed fiber-optic telecommunications systems and optical computers. Please visit the Company's website, [www.lightwavelogic.com](http://www.lightwavelogic.com), for more information.

*Safe Harbor Statement*



## LIGHTWAVE LOGIC™

*The information posted in this release may contain forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. You can identify these statements by use of the words "may," "will," "should," "plans," "explores," "expects," "anticipates," "continue," "estimate," "project," "intend," and similar expressions. Forward-looking statements involve risks and uncertainties that could cause actual results to differ materially from those projected or anticipated. These risks and uncertainties include, but are not limited to, general economic and business conditions, effects of continued geopolitical unrest and regional conflicts, competition, changes in technology and methods of marketing, delays in completing various engineering and manufacturing programs, changes in customer order patterns, changes in product mix, continued success in technological advances and delivering technological innovations, shortages in components, production delays due to performance quality issues with outsourced components, and various other factors beyond the Company's control.*