

**For Immediate Release****CarbonX® and PhaseCore® Work Together to Keep First Responders Safe from Flames and Heat Stress**

Chantilly, VA – Jan. 26, 2010 – First Line Technology, LLC and CarbonX Non-Flammable Fabrics (a product of Chapman Innovations) have joined together to bring first responders the future of fire-fighting cooling apparel. With PhaseCore an environmentally friendly phase change material (PCM), to cool and CarbonX, a non-flammable fabric, to protect the user from burn-related injuries, the new PhaseCore line of CarbonX FR Cooling Vests substantially lower the risks of injury or death to firefighters and other first responders.

For more than 10 years, Chapman Innovations has been developing and producing CarbonX fabric designed specifically to protect first responders from direct contact with fire and heat. Based on patented blends of oxidized fibers, clothing and equipment made of the CarbonX material is able to withstand the direct flame of a blow torch without melting, igniting, or burning.

Heat-activated PhaseCore Cooling Vests absorb heat and provide long-lasting cooling that will not overcool the body like ice. The gentle cooling effect of PhaseCore has a proven track record of increasing worker productivity while reducing heat-related illness. The lightweight vest designs – SWEDE and Standard – are effective for up to 4 hours and are recharged at room temperature without ice, water, or refrigeration.

“These vests are worn by our decontamination team members under their Personal Protective Equipment and have proven to be durable, lightweight and effective no matter what your body type, and very easy to use,” raves Shannon Kendall, the HRSA/ASPR Program Manager for Bioterrorism Preparedness, Training and Education at Providence Saint Joseph Medical Center where dozens of First Line Technology’s SWEDE Cooling Vests with PhaseCore 28 are in use. “These vests are truly amazing and have greatly contributed to our successes in becoming recognized as a healthcare best practice in mass decontamination training.”

Together, these two innovative materials will safely enable firefighters to stay focused and reduce heat-related illness while they serve in hazardous environments fighting wildland, industrial and structural fires.

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**About First Line Technology:**

First Line Technology, LLC supplies Out of the Box Solutions to first responders and the military. Since 2003, First Line has established itself as a leader in new product development and distribution with innovative yet simple solutions. First Line prides itself on creating high-quality products that are comfortable, effective, and safe for use in an All-Hazards response.

**About CarbonX:**

Founded in the late 1990s, Salt Lake City-based Chapman Innovations develops, produces, and markets thermal fabric solutions primarily under the company’s flagship brand, CarbonX®, for a variety of industries and end-uses. On a daily basis, Chapman products protect people who work in some of the world’s most hazardous environments including the industrial, fire, motorsport, and tactical industries.

Visit [www.PhaseCore.com](http://www.PhaseCore.com) or [www.carbonx.com](http://www.carbonx.com) for more information about PhaseCore® and CarbonX® and to see a video of CarbonX® in action.

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