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Esquire Profiles Enterra Solutions Founder Stephen DeAngelis

Magazine Names Resilience Leader One of the "Best and Brightest" of 2006

YARDLEY, Pa. (November 15, 2006) – Enterra Solutions, LLC's, Founder, President and CEO Stephen DeAngelis is profiled in this year's annual "Best and Brightest" issue of *Esquire* magazine. Every year, the magazine recognizes thought leaders in business, politics and popular culture, whose work is changing the world in positive ways. Named as Best and Brightest for Innovation, DeAngelis' profile focuses on the work he is doing as Founder and Executive Director of the Institute for Advanced Technologies in Global Resilience at the Oak Ridge National Laboratory outside of Knoxville, Tenn.

DeAngelis and Enterra Solutions are gaining recognition throughout industry and government for their work addressing threats of various magnitudes. As the world becomes increasingly connected, threats grow in complexity. Part of Enterra's work at Oak Ridge is complementing the Lab's SensorNet program with ResilienceNet. SensorNet addresses technical challenges associated with real-time sensor systems for national security and other large applications. ResilienceNet is Enterra's intelligent, rule-based sense, think, and act application that enables decision support and secure information sharing based on real-time data sources. Together the aim is to identify, neutralize and counterattack emerging threats.

"We can't think up every asymmetric threat," DeAngelis told *Esquire's* Brian Mockenhaupt. "But we're going to become so resilient that we'll mitigate the danger."

Enterra Solution's automated rule sets make enterprises and government agencies resilient by translating knowledge and logic into a digital form. For businesses, the rule sets can dramatically improve performance and reduce the costs of virtually any repetitive activity, including regulatory compliance, governance and major projects. The Enterprise Resilience Management Solution™ automates the memos, policy papers, directives and other every-day tools of doing business to sustain best-practices and competitive advantages in the face of constant change.

For government, the Enterra Solutions platform and automated rule sets can save lives through immediate responses to threats. In one hypothetical scenario, for example, a series of sensors on the underside of New York City's Verrazano Bridge scan the contents of a container ship passing below. Immediately after detecting radiological (or other threatening) materials, the information is relayed to a data-fusion center, where supercomputers combine the new variables and data from key sources, such as the National Weather Service, that can help. These variables are processed and overlaid on an existing response model to generate the most appropriate actions given the information at hand. Supercomputers at Oak Ridge National Laboratory define a worst-case scenario, devise a plan to avoid it and notify assets to carry it out. Then, the system alerts and allocates resources to support the decisions that have been made. One such decision may be immediate evacuation, with the automated rule sets changing traffic patterns and bringing police to speed progress. All these actions take place in a matter of a few seconds.

With this information compiled in an easily understood Web-based interface, first responders and other key decision makers can take actions that deflect the impact of otherwise disastrous events, reducing costs and saving lives.

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The complexity of Enterra's undertaking at Oak Ridge, and the importance of its potential applications to all aspects of national security and future competitiveness, led Mockenhaupt to describe it as "another Manhattan Project, a group of disparate players coming together to solve a special problem."

The article also summarizes Enterra's work on the "Development-in-a-Box" (DIB). DIB essentially brings the automated rule set system driving Enterra's software programming solutions into the physical reality of restoring institutions and order to failing or failed states in the 21st century.

In the event of a failing state that threatens to destabilize a region, DIB offers the opportunity to say "here's the infrastructure, we'll put this in place if you subscribe to transparency and the rules of the game," says DeAngelis. "Now we're going to make the rules flexible for your particular country and your needs, but we're not going to invest money in something where you're going to be building Beta and we know you need VHS."

About Enterra Solutions

Enterra Solutions, at www.enterrasolutions.com, provides a new approach that drives sustainable competitive advantage by making companies and governments winners in a globalizing and consolidating geopolitical environment. Our Enterprise Resilience Management Solution™ is a dynamic and systemic means of addressing security, compliance and competitive challenges. ERMS blends business logic, technology and cognition in a new architectural construct that efficiently manages people, processes, technology and data.

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