Intelligent Light

The U.S. Department of Energy Awards Intelligent Light $1 Million Phase II SBIR Grant to Commercialize VisIt Open Source Software

Rutherford, NJ, July 29, 2013 - The U.S. Department of Energy has awarded Intelligent Light a $1 Million Phase II grant to commercialize the VisIt open source software. Intelligent Light has begun integrating FieldView™ its flagship CFD post-processing software with VisIt, the open source interactive parallel visualization and graphical analysis tool from the U.S. Department of Energy.

Intelligent Light has been working with VisIt and the DOE's VisIt team for more than a year developing prototype technologies under a Phase I SBIR grant. The success of that work, along with endorsements from CFD users in both government and industry, led to a proposal to DOE to incorporate VisIt technology within the FieldView product line while preserving open source access.

The DOE responded by awarding a grant for nearly $1 million to keep the collaboration moving forward. The Phase II Small Business Innovative Research grant by the Department of Energy Office of Science Advanced Scientific Computing Research (OASCR), supports the integration of FieldView and VisIt, combining the immense feature set and proven scalability of VisIt with the intuitive, engineering-oriented user interface of FieldView and top-level customer support for which Intelligent Light is known.

"Awards such as this through the SBIR program are a very positive step making this technology more broadly available to specific scientific areas through a re-packaging in a domain specific way, and broadening the user base and community of this DOE investment," said David Pugmire, Scientist, Visualization Task Leader, Climate Change Science Institute, Oak Ridge National Laboratory.

"We are extremely grateful that the Department of Energy views our work as worthy of support; we are in perfect alignment with DOE's desire to deploy its state-of-the-art tools to benefit industry," asserts Steve Legensky, General Manager at Intelligent Light. "As a first step, Intelligent Light will enable VisIt to write out FieldView XDBs (extract database files) and will contribute the binary libraries to the VisIt open source repository." FieldView XDBs are an effective solution to the big data challenge. Compact and numerically accurate, they enable efficient post-processing of transient or remotely computed datasets. Like Adobe® PDF files, XDBs can be shared, archived, read and used for interactive analysis with a low cost FieldView viewer.

About Intelligent Light

Winner of the HPC Innovation Excellence Award, Intelligent Light provides industry-leading software and services that unlock the power and value of a highly productive CFD workflow for engineering and research organizations in a variety of industries around the world. The company's flagship FieldView™ product line is the most widely used CFD post-processing software for engineering and research, encompassing data management, workflow

automation, visualization, and more. Intelligent Light's expert staff provides production-related engineering services, while its Applied Research Group conducts pure research on the cutting edge of CFD science. With customer success its paramount goal, Intelligent Light is driving real-world solutions to the toughest challenges in CFD today.

About VisIt

VisIt is a free interactive parallel visualization and graphical analysis tool for viewing scientific data on Unix and PC platforms. VisIt was developed by the Department of Energy (DOE) Advanced Simulation and Computing Initiative (ASCI) to visualize and analyze the results of terascale simulations. It was developed as a framework for adding custom capabilities and rapidly deploying new visualization technologies. After an initial prototype effort, work on VisIt began in the summer of 2000, and the initial version of VisIt was released in the fall of 2002. Although the primary driving force behind the development of VisIt was for visualizing terascale data, it is also well suited for visualizing data from typical simulations on desktop systems.

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