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FOR IMMEDIATE RELEASE

## **Third Wave Systems to Participate in U.S. Energy Department's \$54 Million Innovative Manufacturing Initiative**

**MINNEAPOLIS, MN.** (12 June 2012) – It was announced today that Third Wave Systems, Inc. has been selected for participation in the United States Energy Department's \$54 million Innovative Manufacturing Initiative (IMI). The national program is a response to the Obama Administration's blueprint for an American economy built to last, investing in projects that advance transformational technologies and materials that can help American manufacturers dramatically increase the energy efficiency of their operations, reduce costs, and reduce the energy needed to power their facilities. Projects were selected for Department of Energy (DOE) funding through a highly-competitive bidding process; DOE and private sector support for Third Wave Systems' project totals approximately \$5.1 million.

Third Wave Systems' project, titled "Sustainable Manufacturing via Multi-scale Physics-based Process Modeling and Manufacturing-informed Design," is a three-year initiative focused on developing technologies that result in a new manufacturing-informed design paradigm that will empower U.S. manufacturers to evaluate the effects of design changes and various materials, anticipate part quality and manufacturing costs prior to implementation, and produce lower-waste, lower-cost manufacturing programs. By providing a comprehensive set of computational tools to accurately model machining process and making these tools available at every stage of the product lifecycle, Third Wave's program will bridge the existing knowledge gap between upstream design and downstream manufacturing processes.

"The importance of a manufacturing-informed design paradigm such as what will result from this project is critical to the ongoing success of the U.S. manufacturing sector," asserted Kerry Marusich, Third Wave Systems President. "Simply put, we cannot afford to continue making machining decisions based on trial-and-error methods that require extensive time and resources. I am confident this program will adeptly further the sustainable manufacturing efforts that are so key to the future of the American manufacturer."

Each of the thirteen projects, selected from more than 250 applications, will advance technologies that are currently in the early stages of development, ensuring benefits to a large cross-section of the domestic economy. Third Wave's program promises a manufacturing-informed design framework generic to all manufacturing processes, while focusing on achieving tangible economic, productivity, and environmental benefits due to the ubiquitous need for machining. Collaborating with Third Wave for the project will be leading experts from Georgia Institute of Technology, The

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Pennsylvania State University, Purdue University, and University of California Santa Barbara. It is expected that work will be commence in late 2012; management at Third Wave Systems is excited to get started.

“We are proud and honored to be part of this elite group of companies and researchers,” said Dr. Troy Marusich, Chief Technical Officer at Third Wave Systems. “This award further substantiates Third Wave Systems’ technological leadership in the areas of machining modeling and process improvement. We are excited to create the technology framework needed for the design of manufacturing-informed products, thereby reducing cost and energy consumption and increasing the competitiveness of America’s manufacturing base.”

**ABOUT THIRD WAVE SYSTEMS, INC.** > Third Wave Systems ([www.thirdwavesys.com](http://www.thirdwavesys.com)) is the premier machining computer-aided engineering (CAE) provider for companies that machine. Its modeling products and services are used by progressive companies to dramatically reduce costs of machined components, accelerate design cycles, improve part quality, and get to market faster. This validated material modeling technology gives engineers access to more information than trial-and-error tests, allowing them to make better decisions. Third Wave is headquartered in Minneapolis (USA) with a remote office in Detroit (USA), representation in California (USA), and distributors throughout Europe and Asia.

**IMI PROJECT DESCRIPTIONS** > A full list of projects accepted for participation in the Department of Energy Innovative Manufacturing Initiative can be found online at [www.eere.energy.gov/pdfs/imi\\_project\\_descriptions.pdf](http://www.eere.energy.gov/pdfs/imi_project_descriptions.pdf).

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