



LiveData Identified for Further Small Business Innovation Research Support for Clinical “Plug and Play” Environment

SBIR Commercialization Pilot Program Expected to Spawn Innovations in Operating Room Workflow, Patient Safety

CAMBRIDGE, Massachusetts, March 18, 2011 – LiveData, Inc. today announced that the company has been identified for participation in the U.S. Army’s Commercialization Pilot Program (CPP) to accelerate the transition of its data integration and display technology from development to implementation. LiveData will use the additional support in its work on the integrated clinical environment with CIMIT’s Medical Device Plug-and-Play (MD PnP) team.

LiveData was identified for additional support in its Phase II Small Business Innovation Research (SBIR) grant from the U.S. Army’s Telemedicine and Advanced Technology Research Center (TATRC), located at Fort Detrick, MD. The additional support will be used to enable OR systems such as Healthcare IT software systems, patient monitors, and tracking systems to "talk" to each other.

The result will be managed by a system known as MD-ICEMAN, using an architecture for integrating medical technologies established by the MD PnP team. The CPP support will help the company bridge the gap to commercial deployment in military hospitals.

The SBIR work will be directed in part towards PeriOp Manager, a comprehensive perioperative workflow management system. Building upon OR-Dashboard and its underlying real-time integration technology, PeriOp Manager will extend LiveData’s footprint beyond the OR – monitoring and automating the flow of patients from Pre-Surgery Assessment to Registration, PreOperative care, OR or other procedure room intervention, and PACU recovery. The system includes innovative displays for family waiting areas, staff break rooms, and other areas of the hospital where visibility into surgical workflow is important.

PeriOp Manager delivers this via human-engineered clinical dashboards, wall, workstation and bedside displays, cell phones and pagers, and reports, and provides a full set of analytic tools for improving quality processes and OR workflow. The research will concentrate on such important functions as smart reminders and analytic tools for improving quality processes and OR workflow.

In use at such leading institutions as Massachusetts General Hospital, Memorial Sloan-Kettering Cancer Center, and NewYork-Presbyterian Hospital, LiveData OR-Dashboard captures, synthesizes, and displays all relevant information about the surgical case.

PeriOp Manager responds to the strong national consensus in favor of standards, and the CPP will support the use of ICEMAN to replace proprietary interfaces with the evolving standard. The CPP phase is expected to accelerate the fielding of capabilities to soldiers and benefit the nation through stimulated technological innovation, improved manufacturing capability, and increased competition, productivity, and economic growth.

MD-ICEMAN is an implementation of the Integrated Clinical Environment (ICE); reflecting early involvement with the standard, its further development will continue to inform the ICE architecture and associated standards.

The Army established the SBIR CPP in response to the 2006 National Defense Authorization Act, in order to increase Army SBIR technology transition and commercialization success. Transition support is now being provided to selected Army SBIR Phase II projects, such as MD-ICEMAN, for expanded research, development, testing and evaluation of the Phase II technology. Approximately 25 current Army SBIR Phase II projects were identified for participation in this additional support.

Once the system is demonstrated and assessed for its impact on OR efficiency and patient safety, LiveData will continue to participate in medical device interoperability standards development.

“The issues of patient safety are well-known and all-too-much in the news these days,” said Ronald Marchessault, Jr., Director for Technology Transfer/Commercialization for the Telemedicine and Advanced Technology Research Center (TATRC), of the U.S. Army Medical Research and Materiel Command. “The ICEMAN project is a natural outgrowth of the CIMIT/MGH OR of the Future. TATRC and the SBIR process facilitate technology development within smaller companies, which can be more nimble and innovative than their larger counterparts.”

“When multiple devices and technologies are involved, the issues of patient safety demand a strong, standards-based foundation. Our successes with OR-Dashboard have shown that LiveData can lead development of vital technology that will become the basis for an industry standard,” said Jeffrey Robbins, CEO. “LiveData’s approach to integration obtains value from the data by giving it context. As the only healthcare IT company identified for this CPP phase, we are especially proud to have earned TATRC’s confidence and ongoing support.”

This additional SBIR support represents a validation of LiveData’s value proposition for the Army developed through prior SBIR awards. LiveData OR-Dashboard, jump-started with the support of \$1.3 million in SBIR grants through TATRC, provides the software foundation for ICEMAN. In 2007, LiveData received a new Phase I SBIR grant that conceptualized the work then implemented under Phase II.

About LiveData

LiveData, Inc. is the leading innovator of real-time integration and data visualization technology. LiveData solutions continuously monitor, synthesize, and respond to highly complex, multi-faceted processes in real time, spanning a broad mix of distributed devices, diverse vendors’ systems, protocols, and databases. LiveData OR-Dashboard system has been installed and is fully operational in the CIMIT/MGH Operating Room of the Future, and at Memorial Sloan-Kettering Cancer Center in its 37 operating rooms. Founded in 1991, LiveData serves customers in healthcare, electric power and utilities, and manufacturing industries, as well as state and local governments. For more information, visit www.livedata.com

TATRC and the SBIR Program

The U.S. Army’s Telemedicine and Advanced Technology Research Center (TATRC) has played a prominent role in developing advanced medical technologies in such areas as: health informatics; medical imaging; mobile computing and remote monitoring; and simulation and training. TATRC has continued to be an important thought leader in areas such as the use of virtual reality tools, biomaterials and hospital-of-the-future concepts.

TATRC has been exploring and implementing telemedicine and other advanced medical technology solutions for over 15 years. By exploring new developments, TATRC strives to improve health care for the US Armed Forces, their families and the public sector. Equally important has been TATRC’s partnership with numerous universities, commercial enterprises, and other federal agencies, supporting approximately 500 ongoing research projects. TATRC’s vision, as an important extension of its legacy, encompasses the creation of opportunities for technology transfer to the public sector as well as the battlefield.

Under SBIR (Small Business Innovation Research Program), a portion of a federal agency’s research and development effort is reserved for award to small business concerns through a uniform process having a first phase for determining the scientific and technical merit and feasibility of ideas that appear to have commercial potential, a second phase to further develop proposals which meet particular program needs, and when appropriate, a third phase in which commercial applications of R&D are funded by non-federal sources of capital.

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