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November 22, 2010

# LifeBot's DREAMS System Helps Save Lives and Advances Healthcare Robotics



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To expand its leading technology position in emergency telemedicine communications, [LifeBot](#) is combining its patented technologies with DREAM to deploy the most powerful and advanced prehospital EMS communications systems.

As a highly developed ambulance to hospital EMS system, DREAM delivers fully interactive simultaneous "live" transmissions of video and critical patient data, thus providing doctor and nurses with a virtual telepresence that allows participation in real-time life saving and disaster management process, whether on the 'battlefield,' home or abroad.

By utilizing multiple remote controlled cameras, the 'Super Ambulance' system provides invaluable live intelligence, emergency preparedness to emergency specialists so that prompt, life-saving assessments and treatments can be made, that helps lower medical cost.

With the patient's physiologic vital signs, data, and medical record reporting e-PCR ([News - Alert](#)) being updated dynamically, the system allow quick assessment and treatment of cardiac, trauma, stroke victims which is important in remote areas where transport times may be prolonged. During disaster and mass casualty events, the system can further help make critical decisions.

As one of the active developer of the innovative DREAM solution, R. Lee Heath, CEO and founder of LifeBot, has been awarded 31 patents in the past and is popularly known as the inventor businessman of the modern Automatic External Heart Defibrillator (AED). LifeBot's first fully digital VOIP telemedicine communications workstation has been deployed in hospital Emergency Departments and 911 dispatch call centers, and will serve as the ideal launch-pad for the DREAMS technologies providing control of radio, telephone, cellular and broadband communications. The system has been nominated for various broadband telemedicine and interoperability communications grants provided by DHS, ASPR, and BTOP Stimulus funding.

As per an agreement signed with Avia Health Informatics ([News - Alert](#)), LifeBot is planning to include Avia's Odyssey nurse telerriage software within its communications workstation system so as to deliver significant and safe reductions in non-emergent transports, resulting in savings of millions of dollars for major metropolitan EMS providers.

By leveraging this integrated solution, the DREAMS advanced EMS system can substantially lower overall provider costs along with increased level and quality of emergency patient care. Additionally, LifeBot is also planning further design enhancement by leveraging leading technologies developed by Bosch, Hewlett-Packard ([News !\[\]\(339a16584d5da0f0a3ca4e9ec17bf6a1\_img.jpg\) - Alert](#)) and Clearwire.

*Carolyn John is a Contributor to TMCnet. To read more of her articles, please [columnist page](#).*

Edited by [Jaclyn Allard](#)

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