



Press Release

SensL Secures Linear Accelerator Detector Contract \$200,000 Awarded to Develop Photon Detectors for the Continuous Electron Beam Accelerator Facility (CEBAF)

Cork, Ireland; 07 Nov, 2005 – SensL, a provider of innovative low light detection systems for applications ranging from health diagnostics, medical analysis, and biomedical sensing to astronomy and LIDAR, today announced the securing of a \$200,000 contract from the University of Regina, Canada to develop photon detectors for the Barrel Calorimeter component of the Jefferson Labs, Virginia, CEBAF upgrade.

The CEBAF accelerator and its three experimental halls are used to study particles called quarks and gluons. These combine to form the protons and neutrons, which, together with electrons, make up atoms. An upgrade, currently underway at the facility, will enable programs such as the Gluon Excitations Experiment (GlueX), aimed at pushing knowledge of nuclear and particle physics well beyond its current level.

“As part of this prestigious contract award, we will be developing a key component of the detection technology required to identify, track and analyze the various exotic particles generated during this experiment” commented Dr Carl Jackson, CTO SensL. “Our novel large area Silicon Photomultiplier products are the most sensitive solid state detectors available and are ideally suited to the challenges of the operating environment in which they will be deployed. These detectors, based on our photon detection technology, will be pivotal to the success of the GlueX project”.

Prof. George Lolos from the University of Regina and Chairman of the GlueX Collaboration Board further added “Whereas historically, vacuum based photomultiplier tubes might have been our choice, now SensL’s new Silicon Photomultiplier technology gives us the ability to cover larger detection areas than previously thought possible. SensL was able to offer us a winning solution by combining this with high optical sensitivity and immunity to interference by strong magnetic fields to potentially remove a major stumbling block in the optimization of the detector's performance. This breakthrough will revolutionize the photo-sensor industry in particle physics applications”.

About SensL (www.SensL.com) - SensL is a private venture capital backed company commercializing revolutionary technology in low light sensing and imaging. SensL offers a range of value-added OEM and sub-system level products including miniature photon counting modules and “Silicon Photomultipliers”.

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