

### Radion Technologies— Licensing Success for the Laboratory

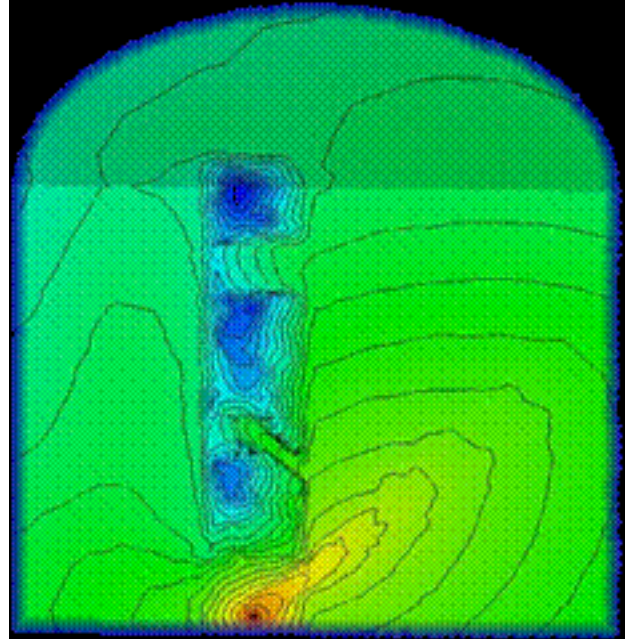
If dynamic execution of milestones and the ability to adapt to increasingly sophisticated and demanding customers are hallmarks of successful companies, **Radion Technologies**, a new Los Alamos startup, is looking at a “radiant” future. Established in October 2002, the company has met and exceeded its initial milestones: It opened an office at the Los Alamos Research Park Synergy Center, has sold more than a dozen software licenses, and expects to surpass its projected half-million-dollar sales mark by the end of 2003.

Radion’s product is based on the Attila radiation transport software licensed from Los Alamos National Laboratory (LANL). Co-founder John McGhee originally developed this numerical modeling and simulation code in 1998 under a Laboratory cooperative research and development agreement with the oil and gas industry. The product performs calculations required for modeling neutron, photon, or charged-particle behavior used in many applications including nuclear power development, medical imaging, cancer therapy, radiation safety, satellite shielding, spent fuel storage and disposal, and nuclear oil-well logging.

Radion’s co-founders anticipate that Attila will soon be wholly off-the-shelf, requiring little, if any, custom development for new customers and applications. The success of Radion Technologies demonstrates how the Laboratory’s Entrepreneurial Leave of Absence (ELOA) policy has helped LANL entrepreneurs. McGhee points out, “This could not have been done if we had remained at the Lab.” The policy allows Laboratory employees to take unpaid leave for a limited time period to pursue entrepreneurial activities, using Laboratory technology or intellectual property, while maintaining their ties with the Laboratory and retaining access to certain Laboratory benefits.

The Radion team has benefited significantly from the guidance and support provided by the Laboratory’s Industrial Business Development (IBD) Division, which manages LANL’s intellectual property and coordinates programs such as licensing and ELOA. In addition to the expertise of its professional staff, IBD relies on close ties with the local business community. One recently implemented external program managed by Los Alamos Commerce and Development Corporation in collaboration with the Laboratory has proven extremely beneficial for Radion: the Los Alamos Research Park Synergy Center. The Synergy Center is a complex of fully furnished offices accompanied by all necessary services to conduct business.

*Pertinent websites and contact information:*  
[www.radiative.com](http://www.radiative.com) or send email to [info@radiative.com](mailto:info@radiative.com)



*Gamma well logging tool used to predict the bulk density of geologic-rock formations. Attila is the first deterministic transport code to accurately model gamma density tools.*