



ORNL Nuclear Nonproliferation Engineering Support

Pro2Serve provides on site project/construction engineering services to non-proliferation programs, projects, and support initiatives, including comprehensive MPC&A security upgrades at sites in the Russian Federation (RF). Pro2Serve has provided physical protection engineering support at three sites in the RF to date: Elekerstol, A-16, and C-70. Within the work scope is evaluation of the adequacy of physical protection measures proposed, including fences, alarms, access control systems, video systems, and sensors.

The work entails review and comment of design drawings, review and comment of cost proposals, and on-site construction engineering. Work also includes support for the design of new facilities in the RF, which includes developing statements of work, reviewing cost proposals, design drawings, costs for construction, schedule for construction, construction monitoring, and participating in project meetings in the U.S. and Russia. Knowledge of specific construction issues in remote and Arctic regions is incorporated into projects and all design and construction work is performed under applicable Russian regulations.

A number of factors contribute to the complexity of the work. Chief among these is the requirement to deal effectively with multiple RF subcontractors performing work under RF regulations that often impede progress. The work is further complicated by simultaneous execution of physical security upgrades at multiple, geographically dispersed sites and by the extensive foreign travel required. Pro2Serve has successfully dealt with each of these issues through application of lessons learned through experience on other projects and through integrated scheduling of support activities across multiple projects.

In addition to these services, one of Pro2Serve's physical protection experts serves as the backup to ORNL's Physical Protection leader for ORNL nuclear nonproliferation work assignments. Pro2Serve provides both logistics and translation services in support of our physical security professionals who travel abroad on work assignments.

