Challenge and Solution: At the Los Alamos National Laboratory, one of the most visionary scientific centers on the globe, the Alexandria Project is an unprecedented information tracking endeavor. Alexandria is an application that tracks the flow of information into and out of electronic documents, as well as the flow of those documents into and out of other applications. Alexandria requires a high-performance database, and real-time solutions.

“We researched Objectivity and anticipate they will offer us a robust product, support talent and business performance that will help us get Alexandria developed quickly and effectively,” said Dave Montoya, key member of the Alexandria Project at Los Alamos National Laboratory, when the partnership with Objectivity/DB was announced.

Objectivity/DB provides the essential database management that allows Alexandria to perform. With Objectivity/DB, the project can store the vast volumes of data, as well as the analysis results and relational data, in near real-time. Objectivity/DB’s superior functionality allows tools to be created for advanced queries on files, processes and their pedigrees. Objectivity/DB was selected because its robust architecture protects the data against corruption: Information is tracked and interconnections are revealed in a minimally invasive way, so that data can be effectively stored and accessed for decades. Objectivity/DB offers unlimited scalability, and requires minimal administration costs and development time.