Industry: Manufacturing, Process Control & Automation

The Challenge:
Building control systems have traditionally managed heating, ventilation and air conditioning (HVAC). Siemens Building Technologies, an industry leader, envisioned a greater sophistication: why not build a control system that would coordinate all these variables, as well as monitor building humidity, fire alarms, door locks, security, lighting and other building features, all while collecting historical data and storing network configuration information?

Adding to the complexity, such a system would have to be scalable, for projects ranging from small, individual buildings to entire college campuses with a variety of building sizes.

APOGEE, as the new system would come to be called, would have substantial database demands. In addition, programmers needed a seamless integration with a system developed in C++.

The Objectivity/DB Solution:
Siemens determined that data collected from APOGEE was better suited for the object paradigm, and the integration with C++ ruled out a relational database with an object-oriented front end. But which ODBMS to choose? Objectivity/DB was the leader, both in its inherent superiority to other ODBMSs and the support offered by the Objectivity organization.

"We evaluated several object database vendors and found that Objectivity had the best solution for our application," says Joe Studzinski, Director of APOGEE Engineering. "Objectivity/DB provided the distributed architecture and reliability that we required. Plus, Objectivity worked closely with our development team to ensure APOGEE deployed successfully."