

## ● Objectivity Case History

### ● Customer Information

Customer: TRW Data Technologies Division (No. 2)  
Industry: Defense and Scientific Contractor  
Application Domain: Scientific Computation – Large Volumes of Data  
Status: Competitive situation against Versant 5.0  
Platform: Sun and HP  
Compiler: C++  
Other Tools: Need support for HP's ACC Compiler by October 1 1997, using STL to gain performance from C++.

### ● Buying Criteria

- Speed and Performance of the Competitive Benchmark.
- Upon deployment, the application will be a Terabyte of data as well as 500 end users. The technical criteria for winning this business versus Versant comes down to the competitive benchmark which is primarily based on load performance, sizing performance (how many bytes does it occupy), analysis performance (queries and retrieval of data), and how well STL enhances the performance of the database.

## Why Objectivity

- Benchmark: Get STL up and running ASAP with regard to the Objectivity code.
- Meet and exceed all technical requirements outlined on the technical benchmark from TRW.
- With respect to the benchmark, our load performance, (populating the database) must be faster than Versant.
- Focus on Objectivity's page/server architecture which increases our performance vs. Versant. [Note: Versant's Network I/O performance is poor. This is caused by their object/server architecture. This may cause slow performance as TRW scales to large volumes of data.]
- Objectivity's clustering of objects should also have an advantage with respect to performance vs. Versant.

### ● Contact Information

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