

## CASE HISTORY - Julie Tsoi

**Customer:** Computer Sciences Corporation (CSC)

**Industry:** Government - Support for US Army/Navy Aviation and Missile

**Application Domain:** Data Collection and Analysis in Simulated Battles. The real time data is used by scientists for the development of weapons and weaponry systems technology to be used against future threats of battle and in actual battle. The graphics data is collected in realtime (megabytes per second) mode and transferred over LAN.

**Status:** One year plus successful deployment with Objectivity

**Platform:** SGI and Alpha Unix

**Compiler:** C++ 7.1 for SGI

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### **Buying Criteria:**

- Replaced Poet with OBJECTIVITY
  - Need to construct and run queries - RAPIDLY
  - Need real time data collection and analysis
  - Need to save on development time (\$\$\$)
  - Need good, reliable performance with volume of data as it grows
    - Need good technical support
  - Need platform heterogeneity, multiple platform support.
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### **Why Objectivity:**

- \*Can construct and run queries rapidly.
  - \*Handles real time data collection and analysis well.
  - \*Handles short term customer usage patterns AS WELL AS longer term customer needs: ie: Increased volume of data, Complexity, platform heterogeneity and language independence) = Product and Development **SAVINGS** (It cost CSC 4 mos extra to replace POET code).
  - \*Excellent technical support and project mgmt/partnership experience.
  - \***DB queries** in Objectivity occur immediately. In Poet - queries had delays in sec's.
  - \***Performance:** Objectivity handled 4-5 megabytes of data more than TWICE as fast as Poet.
  - \***Scaleability:** As DB grew in size, Objectivity experience no degradation - Poet runtime performance suffered considerably.
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Customer Contact: Neil Lovell

Phone:

Fax: