Industry: Manufacturing, Process Control & Automation

The Challenge:
NEC operates 16 wafer fabrication plants around the world, and needed a manufacturing control system to manage, monitor and co-ordinate processes in this distributed manufacturing environment.

NEC's high standards for product and process made 24/7 production, precision and high performance absolute necessities, and the geographical spread of the plants would obviously demand full distribution.

The Objectivity/DB Solution:
Using Objectivity/DB, NEC built O3, the industry's most advanced computer integrated manufacturing (CIM) system built exclusively with pure object technologies.

Why Objectivity/DB? NEC selected Objectivity/DB because of its ability to represent and maintain complex lot relations, and to ensure consistently high performance under high-density read and update transactions. Objectivity/DB's reliability and dependability enables the O3 System to operate around the clock, enabling NEC to increase manufacturing capacity to meet growing market demand.