

## Hillsboro, Oregon, School District

### Challenge:

Imagine the requirements of 33 schools with 2,800 employees and over 18,000 students. To provide an information and communications network for this rapidly growing school district located just west of Portland, Oregon, a new system to support multiple operations from a central hub had to be built from the ground up. Designing the district's new Administration and Data Center meant performance would be accountable to everyone, from the school principals and administrators, to the school board and superintendent. The project would need to pass the ultimate test- hands on usage by teachers, students and employees at 34 separate facilities, day in and day out. A top concern was to organize the equipment in the best manner in order to support current and future requirements. What was needed was a structural support system that would accommodate the greatest variety of equipment, a framework that would accept cable routing from any direction, and an equipment mounting and housing system that would adjust to any combination of telecom and IT applications.

### Solution:

Designers of the school district's new data center would be satisfied with nothing less than an extensive row of CPI open mounting systems and a separate row of CPI MegaFrame® Cabinet Systems to manage the routing of all communication links between the schools and the new data center over a fiber based DS-3 and the Nortel® Option 81 PABX. The telecom switch and mainframe are accompanied by 45 servers mounted onto CPI support systems (with expansion room for another 20), a generator and a UPS system with "make-before-break" capability for continuous "24/7" operation. Although the district's requirements were extensive, all of the CPI components used were standard off-the-shelf items, and were readily available from the local distributor. 



### About Chatsworth Products, Inc.

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