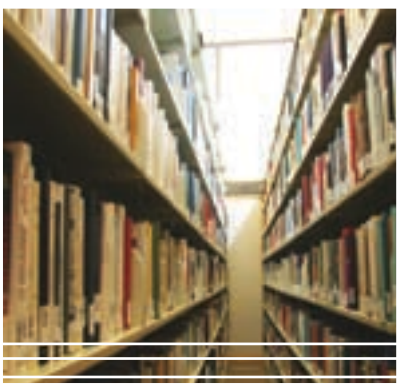
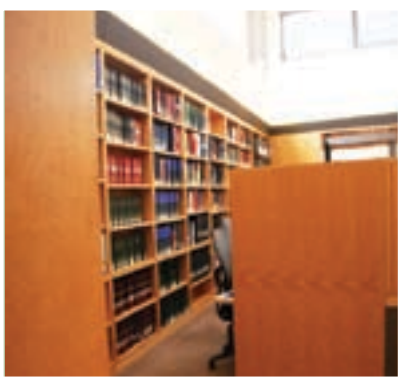
UNIVERSITY LIBRARY STORAGE

- **Medical Library**
- **Multi-media Retailer**
- **Distribution Center**
- **Archives**
- **Museum**

PROBLEM

The fast-growing university was running out of shelf space to store its current, new, and donated book collections. There was no money to build a new library building, so the existing space had to be reconfigured to store more books





OBJECTIVE

To find a library storage system that more efficiently and logically stores all the resources in the existing space while still providing enough open space to offer an aesthetically pleasing library atmosphere for students and faculty.
To improve the accessibility and organization of the library's collections and allow room for growth. To take better advantage of the library's storage space and provide a successful, attractive study area for undergraduates, graduate students, and faculty members.

SOLUTION

We proposed an electrical high density mobile storage system with customized shelving for storing the many different shapes and sizes of books. Because this library is a world-renowned research center, the types of books and materials were often one of a kind. Our server driven mobile system is wired to a personal computer where the system monitors the fire alarm and security systems to shut itself up and lock itself if the need arises. This helps protect the books from theft upon a break-in, the direct flame of a fire, or collateral water damage from sprinklers. Each aisle is

protected by motion detectors and a floor level safety sweep which provide safety in all areas that have open access. Each carriage can be independently programmed as a moving or stationary carriage. This allows the university to expand the system at any time with any desired result. The system has "beauty and brawn," remarked one university administrator.

Because technology is increasingly becoming part of the academic environment, the university also wanted to be able to store laptop computers, which are stored vertically like books. We were able to build into the storage system's design a special area with docking stations for the laptops and electrical hookups for charging. The versatility of the mobile storage system highly impressed the university with how much more could be stored in much less space.

The university administration says that the customized matching laminate end panels and wall panels bring out the true ambiance of the handcrafted stationary wall shelves, book carrels, and study areas and are an unparalleled design success. Ecstatic over the results of the storage solution, the university administration noted that the space-saving measures allowed for storage of the existing collection, all new issues, and the large donated collections in the same space as before—and with room for future growth as well.