



## Sustainable Design is Kid's Play!

Buchart Horn's winning entry in a design competition resulted in its first A/E project for the City of Eschborn, Germany—a new 16,000-square foot Kindergarten and Day-Care Center. Built on the site of the original Kindergarten, the new facility serves 150 children in its four functional areas.

Temporary modular facilities were provided during demolition and construction to allow the facility's students to continue to attend classes during demolition of the old facility and construction of the new. The move and demolition were completed in one month and construction of the new facility was completed 20 months later.

Buchart Horn led the work from pre-concept development through bid reviews. Value engineering indicated prefabricated steel, wood, and concrete slabs and panels for quick and economical construction. Interior design considered modern educational concepts as well as colors, finishes, and furniture.

The facility meets or exceeds all current health and safety standards and European Union and German sustainable design, acoustic, and insulation standards. With solar water heating and photovoltaic generation, the new facility also reduces energy consumption by 25%.

