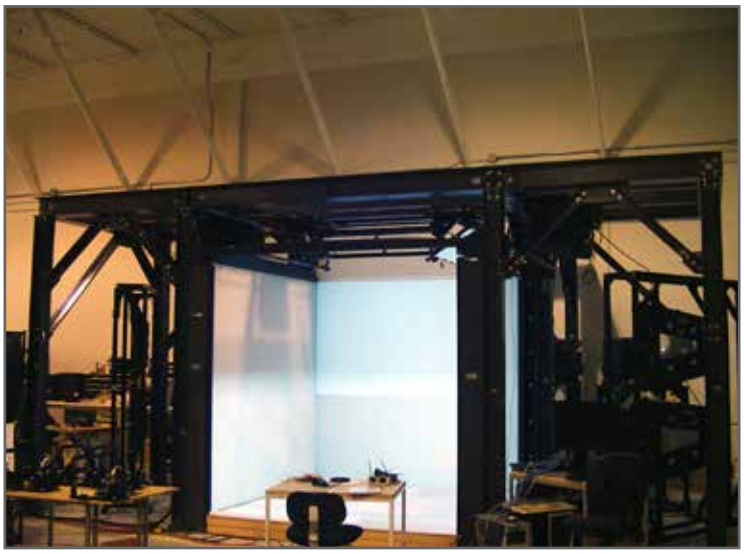
CASE STUDY
General Manufacturing

Fibergrate Composite Structures
Building the World to Last®

Project Specs

Location: Canada
Application: Customized Structure
Product: Dynaform® Structural Shapes



Overview

Christie Digital Systems Inc., a global visual technologies company, offers diverse solutions for business, entertainment and industry. With expertise in film projection since 1929 and professional projection systems since 1979, they have established a reputation as the World's single source manufacturer of a variety of display technologies and solutions for cinema, large audience environments, control rooms, business presentations, training facilities, 3D and virtual reality, simulation, education, media and government.

Problem

In 2008 Christie Digital Systems Inc. approached Fibergrate regarding a 3-D imagery unit for training simulation purposes for the U.S. Joint Forces Command (JFCOM). They required a cost effective structure to house and support all camera and monitors for the 3-D imagery. The structure needed to be non-conductive and RF transparent. The design of the structure needed to be extremely rigid to prevent projection movement.

Solution

FRP was chosen by Christie Digital due to it being electronically and thermally nonconductive and has high strength to weight ratio. A strategic and calculated set of plans were created with the use of Dynaform Structural Shapes to create a customized structure to meet the performance requirements of the customer.

Award

The U.S. Joint Forces Command presented Christie Digital Systems Inc. with an award for the cave structure for their 3-D imagery unit. Christie Digital then presented Stephen Clark, the District Manager responsible for the contract, with an award in February 2010.

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