Draper has the perfect projection screen solution for any interior application. With a broad selection of mounting options and custom solutions, you can’t go wrong choosing Draper.

Traditional spaces, like places of worship, often need to add modern functionality without imposing on the interior design. Camp Hill Pennsylvania United Methodist Church expanded their facility. Like many churches, Camp Hill included projection screens and other AV equipment in the addition. They did not however, renovate their existing worship space to include screens.

“We realized that someday we would need a screen in our traditional service sanctuary,” said Camp Hill member Fred Powell, who chairs the church’s strategic planning committee and served as construction manager on that project. “But, we didn’t want it to interfere with ambience and design of the sanctuary.”

As Camp Hill has continued to grow throughout the years, the church has added services. Four services are held each Sunday—two in the multi-purpose addition and two in the original building. Even though the newer facility has projection screens, Powell felt the time had come to find a way to install video systems in the main sanctuary to meet the changing needs of Camp Hill’s congregation. But there was still the issue of doing it without affecting the existing aesthetics.

“In our main sanctuary, because we have a 20’ centered cross and a large vaulted ceiling,” Powell explained, “so at first I felt we needed a ‘swing out’ screen that would ‘fold back’ against the wall when not in use.”

Powell then remembered the Draper basketball backstops installed in the church’s multi-use facility.

“I had records from 12 years ago when we ordered backstops for a gym,” Powell said. “We have Draper baskets that fold against the wall. They aren’t motorized, but I went back and looked at the catalogs and saw that they also make folding motorized versions.”

So, Powell started working with Draper to see if the company might be able to develop a solution to fold away motorized projection screens using the same technology and design used on its DWG-E side-folding basketball backstop.

“This was certainly a new idea to us and at first we weren’t sure about it,” said Bob Mathes, Draper’s AV/video sales and marketing manager. “But once our AV and gym equipment departments put their heads together, we realized it was something we could do with just a little design work.”

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CASE STUDY: TRADITIONAL SPACE SWINGS INTO ACTION

When the screen is not in use, the Screen Boom uses a motorized actuator and hinged brackets to “fold” the screen back nearly flush with the wall.

Draper’s Wall-Mounted DGW Wall Mounted Backstop, the operation of which inspired the development and design of the Screen Boom.

“At first it made me do a double-take,” said Neal Turner, Draper’s gymnasium equipment sales manager. “But once we got into it, we found that we could keep the basic operating mechanism and folding arm concept in place, and simply replace the backstop frame with the single swing arm that holds the screen.”

The AV integrator the church chose to work with on this project was Morefield Communications in Camp Hill, Pennsylvania. Morefield’s technical and engineering resources were of value during the design process, in getting the operation of the finished product to meet the expectations of the church.

For the screen, Draper and Morefield proposed a custom 155-¾” diagonal 16:10 format Premier motorized screen, with tab tensioning for the flattest viewing surface possible, which can be seen well from throughout the sanctuary. Because the screen is in a sanctuary setting where light control is not always easy, and where people are sitting outside the narrow viewing cone area seen with traditional high gain screens, Draper and Morefield recommended XT1300X White, one of the company’s new ISF-certified TecVision™ formulations, for the viewing surface.

“The extra time and energy spent on Morefield’s part was worth it,” said Jay Dissinger, Morefield’s vice president of multimedia. “The result of this effort now affords alternatives to sanctuaries and like spaces that otherwise may not have had one.”

So far, Powell has been pleased with the innovative solution.

“We were pleased that Draper’s ‘separate’ divisions were willing and able to get together to develop the swing out screen for us,” Powell said, “and, in particular, the person who decided to use a solid support bar rather than a chain or cable is to be commended. We all wrestled with the visual problem of a chain or cable and are happy with the alternative.”

Draper has also been pleased with the way things worked out—so much so that what had been seen as a one-time custom solution is now being added to the company’s product line.

For more information on the product, you can visit draperinc.com/go/ScreenBoom.htm

Dealer: Morefield Communications, Camp Hill, Pennsylvania,
Photos by Sandi Laing Peiffer, Camp Hill, Pennsylvania.

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