ProductiveAV




# Arlington County collaborates with Productive AV to build new Modern Aquatic Complex.

## Snapshot:

Arlington County collaborates with Productive AV to design a cutting-edge Aquatic and Fitness Center. We integrate a fully water-proof Audio-Visual systems throughout the facility. Long Bridge becomes a valuable cornerstone for the Arlington community.

## Introduction:

Arlington County is one of the healthiest counties in America. After all, it is home to Olympic medalist Torri Huske. In 2015 Arlington's Parks and Recreation Department began designing a new modern community center. They seized the opportunity to improve their community and convinced the Long Bridge Aquatics and Fitness Center.

## Productive AV's Solution Equipment List:

- Planar CarbonLight CLO LED Video wall
- d&b Audiotechnik Loudspeakers
- d&b Audiotechnik's ArrayClac
- Vaddio Live Production Controller
- RoboSHOT PTZ Cameras
- Panasonic Projectors
- Shure Wireless Mircophones
- Creston Control Panels.

## Location:

Arlington, Virginia

## Sector:

Government & Althetics

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## The Challenge:

Arlington County designs a 92,000 square-foot aquatic complex. A leisure pool on one end treats families to a spray ground, a lazy river, and a tube slide—practically an indoor water park. On the other end, schools and community groups train in a 50-meter competition pool. Between them is an 8,000-square-foot fitness center, host to cardio workouts, strength training, and group classes. As well as multi-purpose rooms for community functions.

A modern athletic center needs a robust AV system to best serve its community. However, a few drops of water can ruin a state-of-the-art system. Productive AV collaborated with Arlington County from the design phase to address water damage concerns. Productive AV worked with trusted vendor partners to select products that met IP-65 requirements. Our diligence ensures the Long Bridge Aquatics and Fitness Center will serve the community for years to come.

## Our Solution:

The Long Bridge Aquatics and Fitness Center incorporates advanced audio and video systems throughout the facility.

The centerpiece is the **Planar CLO Carbon Fiber Outdoor LED Video Wall**. Its 3.9mm pixel pitch resolution provides excellent video quality. Planar's lightweight, carbon-fiber construction and IP-65 waterproof rating provide durability within this aquatic environment. The video wall displays announcements, event information, and live video, easily viewable to all attendants. It also interfaces with the facility's timekeeping system for swim competitions.

Pools naturally include many reflective surfaces that affect the sound, such as glass, tile, and the water itself. Productive AV utilizes **ArrayClac**, an audio design software by d&b Audiotechnik. It simulates the environment so our engineers can design a consistent, intelligible audio system.






*"One of the things we hope to do soon is a movie night, with people watching from the pool, the pool deck, or even our spectator seating area... there are so many different things we can do with that video board—the opportunities are endless."*

-Iggy Rodriquez
Assistant Manager at Long Bridge Aquatics & Fitness Center

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*"...phenomenally easy. We don't have any dedicated AV staff here on site. So, it's typically our building staff operating it—and it's truly a very easy thing to do."*

-Iggy Rodriquez
Assistant Manager at Long Bridge
Aquatics & Fitness Center

## Our Solution (Continued):

Productive AV selects **d&b Audiotechnik xS-Series 12S-D loudspeakers** and **30D amplifiers** for the audio system. The weather-treated woofers are ideal for aquatic spaces. Their advance design delivers clear, articulate audio throughout the competition pool.

Three built-in **RobotSHOT 30E HDBT OneLINK PTZ cameras** integrate into the video system. They keep their outstanding image quality even in low-light conditions. Their pan, tilt, and zoom functions allow for complete coverage of the competition pool. However, they are vulnerable to water damage. Productive AV addresses this vulnerability by constructing custom waterproof mounting.

When it comes to swim meets, a camera system allows for simulcast to the video wall and Arlington's YouTube and Facebook sites. Productive AV chose **Vaddio PCC MatrixMIX Live Production Controller** for its ease of use. Its user-friendly interface offers quick selection presets for cameras, transitions, and lower screen graphics.




## Our Solution (Continued):

The classrooms and multi-purpose rooms are open to the community. They include **Panasonic Projectors**, **Shure wireless microphone systems**, and **Creston control panels**. **Panasonic** provides excellent resolution with low maintenance. **Shure** offers simple configuration and automatic pairing. The audio and video systems integrate through a sleek **Creston touchscreen** on the wall. All the technology is at the tips of guests' fingers. Anyone can plug in a device and speak into a microphone to start an excellent presentation, meeting, or event.

## The Results:

Arlington's community embraces its new state-of-the-art facility. Since opening in September, Long Bridge is now the home to all county and community swim classes. Including the Arlington aquatic club, the home club of Olympic medalist Torri Huske.

This Aquatic Center would not be possible without the help of Boeing. Through their generous grant, free access to the facility is available to active-duty military members and their families. Productive AV is proud to support community-focused projects.