

# Case Study

## Hiram M. Chittenden Locks



The Hiram M. Chittenden Locks are located in Seattle, WA and regularly attracts more than one million visitors annually coming to observe the migrating salmon species in the locks fish viewing room as well as the historic botanical garden. It is also deemed the busiest locks in the nation.

### **Candela Display Systems and Executive Productions - Seattle (EPS) designs and installs video wall and touch kiosk exhibit into the Hiram M. Chittenden Locks Fish Viewing Room in Seattle, WA.**

When the United States Army Corps of Engineers decided it was time to update the dilapidating Hiram M. Chittenden Locks fish viewing room, Candela Display Systems was approached by the Corps Foundation's Director Rich Deline in an effort to design a system of digital signage that informed the public of the different salmon species that pass through the locks on their way to reproducing (spawning). Over one million people from around the world visit the Locks annually, and replacing the 30 year old information displays; some of which were broken and inaccurate, was of top priority.

Having worked with The Corps Foundation's Rich Deline previously on a touch kiosk initiative at the Locks, bringing in Candela Display Systems to design and install something on time and within budget was an easy choice. With a conceptual drawing provided by Jones and Jones Architects, Candela Display Systems teamed up with Executive Productions - Seattle (EPS) to make the Foundation's idea become a reality.



With the artist's rendering in hand, Candela Display Systems designed a 3x1 video wall paired with dual upright portrait touch kiosks that would serve multiple purposes, while EPS would provide the video and audio content.

The wall was designed to play a short looping video presentation about the history of the Locks and highlight the different salmon species that annually pass through the fish ladder located adjacent to the fish viewing room. Rangers can switch from the looping video to access a "presentation" mode that visually assists the guide during their presentation. In turn, the looping video acts as a virtual tour guide between tour groups and also when the salmon aren't running seven months of the year. Lastly, the wall directs visitors to two touch kiosks for additional information on each salmon species.





**Candela Display Systems – Designed feature wall system, provided hardware, programmed content, and continue to maintain functionality.**

**Executive Productions – Seattle – Produced video and audio content.**

**Jones and Jones Architects– Architectural design of fish viewing room remodel.**

**RJS Construction – General Contractor.**

## **TESTIMONIALS**

“Having worked on interpretive projects with Candela Display Systems and EPS for USACE and The National Parks Service for more than a decade, they were both top of our list when we were considering updating the fish viewing room at the Hiram M. Chittenden Locks. They are professional, easy to work with, responsive, and truly supply and support great products. We couldn’t be more pleased”!

Rich Deline  
Founding Director (Corps Foundation)

“Jones & Jones Architects had the pleasure of working with Candela Display Systems in the design and implementation of the newly renovated Under Water Viewing Gallery at the Hiram Chittenden Locks Fish Ladder. Their creative work and ingenuity added a state of the art multi-video display system that has become the showcase of this renovation. Staff and visitors of the Fish Ladder are so pleased with the outcome and we thank Candela Display Systems for their outstanding work in making this renovation a success”.

Wesley Simmonds  
Jones & Jones Architects