



Project Experience

OVERVIEW

This 6,310-acre site was renovated to construct include 6 new indoor-outdoor structures. The project's design, seeking to take advantage of the trade winds on coastal Hawai'i, included several passively conditioned spaces.

SERVICES PROVIDED

Sweek Engineers' staff commissioned this facility while employed at a previous consultancy. Treasa Sweek was the Commissioning Professional (CxP) for the project, with the scope of work focusing on energy commissioning for lighting, HVAC, passive cooling, and photovoltaic electricity generation.

USS Arizona Memorial Visitor Center

20,000 ft²

6 buildings

Completed 2011

National Park Service

The Portico Group



SUCCESS STORY

Many of the vendors were located in the Mainland US, including the lighting controls programmer. As part of the commissioning process, Sweek coordinated with the lighting installer's travel in order to test the system while the programmer was on the island. We also developed custom graphics and educational materials to support the facility staff's understanding of the lighting controls system.

SYSTEMS TESTED

- Passive ventilation and cooling system (offices, bookstore, conference room, exhibit halls)
- Multi-scene central lighting control system (interior, exterior, daylighting, occupancy)
- Variable refrigerant flow heat pump system
- Photovoltaic system intertie with building (metering, monitoring)