

# Adventure Aquarium

Camden, New Jersey



## Project Statistics

Area:	73,000 SF
Completion Date:	2005
Construction Cost:	\$22 Million (Est.)

## Major Program Spaces

- Shark exhibit (750,000 gallons)
- Hippo exhibit (72,000 gallons)
- Touch pools (20,000 gallons)
- Jellyfish and jewel tanks
- Quarantine holding tanks



Unique themes and features draw new visitors to Adventure Aquarium, after the completion of a significant addition and renovation. The Alvine Aquatics engineering team provided life support, mechanical and electrical systems design for the following spaces:

*“Swim with the Sharks”* An 18-foot deep shark tank surrounds visitors as they walk through a sleek tunnel into the shark exhibit, viewing sharks from above and below. A ledge was created around the perimeter of the tank for visitors to “swim with the sharks.” This feature was interpreted by New Jersey health code officials as a “public beach” for purposes of water quality.

The *“Jungle Land”* exhibit for birds and small animals contains an 8-foot deep pool for two hippos. A third exhibit, a 50-foot *“Ship Gallery,”* includes small aquariums and jellyfish displays.

## Mechanical Systems

- Piping and pumping systems
- Fire protection
- HVAC
- Chilled water cooling
- Complete building energy management system

## Life Support Systems

- Sand filtration
- Water temperature control
- Ozone injection systems for disinfection
- Foam fractionation for reduction of micro-particulates

## Electrical Systems

- Display and accent lighting
- An electrical generator provides an emergency life support system to safe-guard the entire aquarium