



Offering the Widest Range of Hydroacoustic Solutions

*Featured Project*  
*Bio-Triggered “SMART” Hydro Dam*  
*Upstate NY*



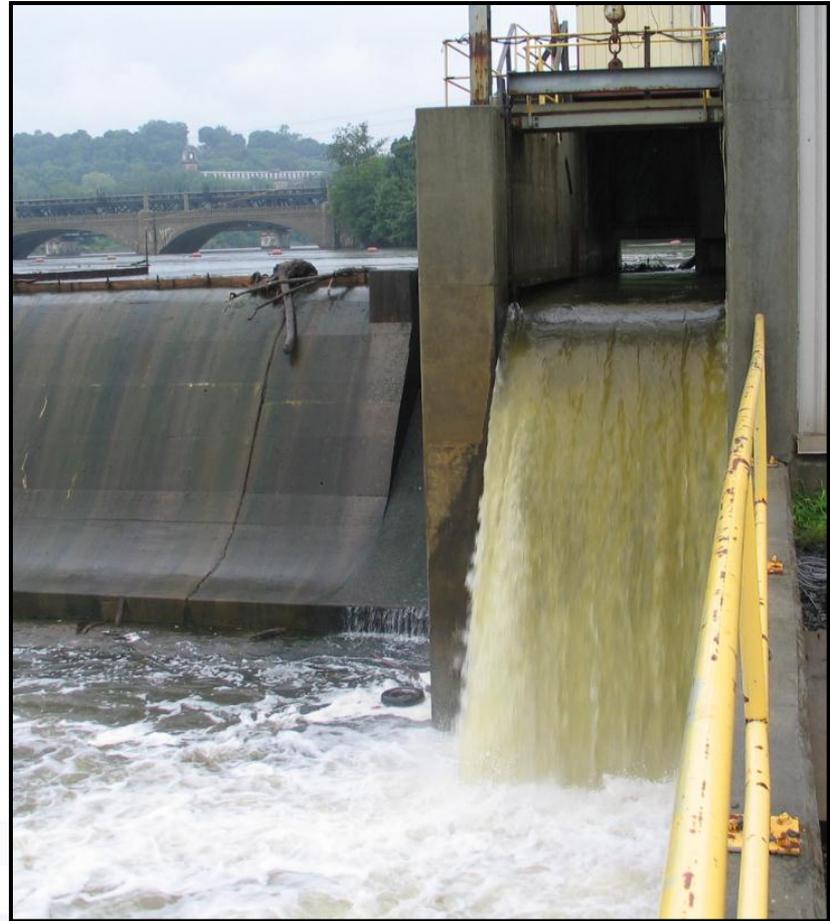
# Biologically Triggered SMART Hydro Dam

Completely automated and unmanned operation

Allows for fish passage and stores and transmits fish count summary reports



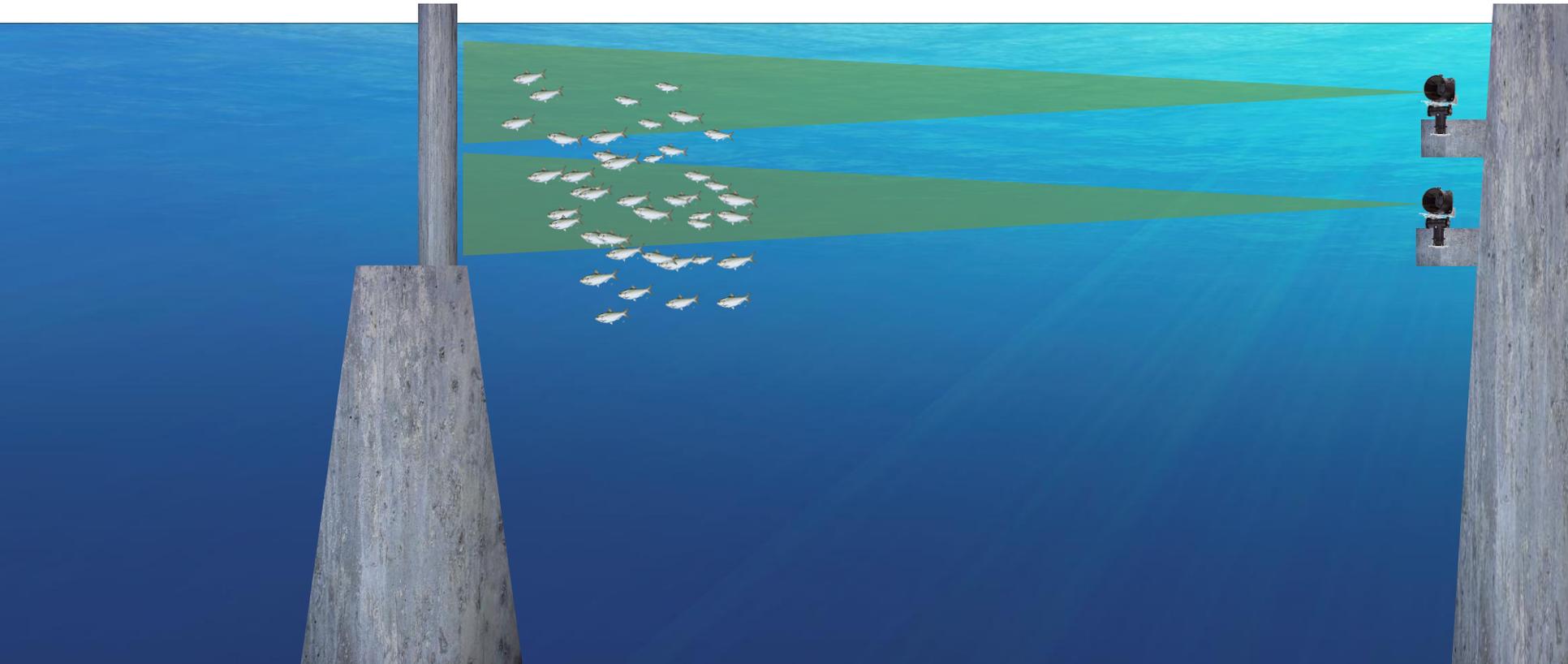
Blueback herring (*Alosa aestivalis*)



# Biologically Triggered SMART System

Fish migrate downstream and encounter dam

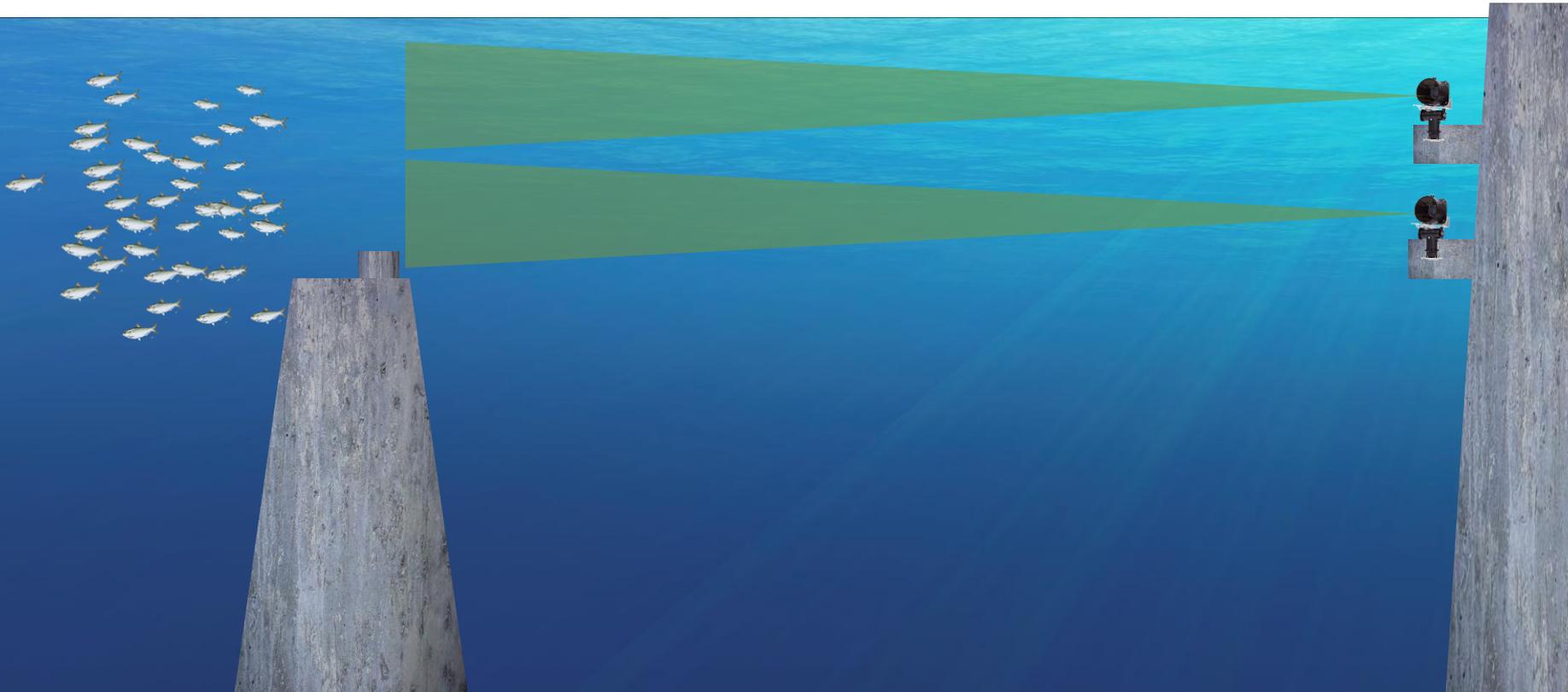
Sensors detect fish density has exceeded threshold



# Biologically Triggered SMART System

Sensors actuate dam spill gate and release fish downstream

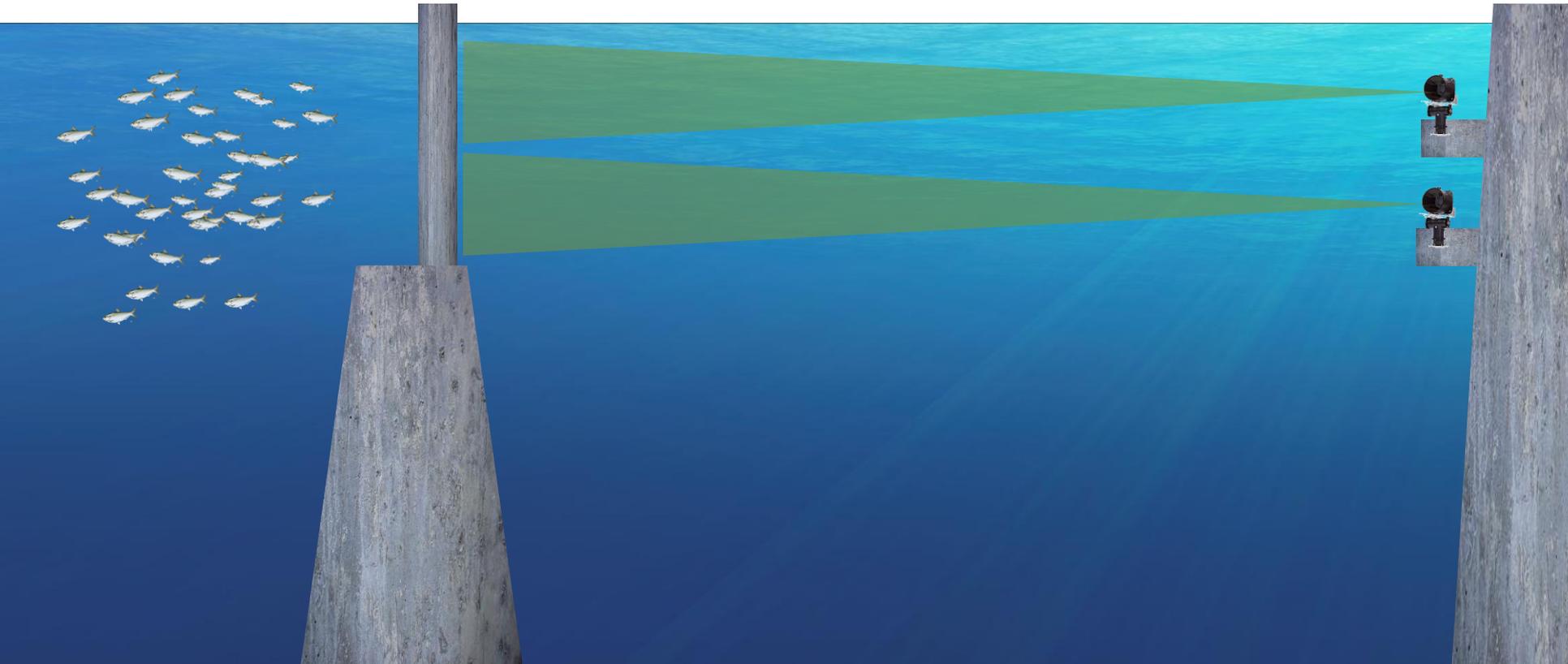
Entirely automated, unmanned operation



# Biologically Triggered SMART System

Sensors detect density decrease and raise gate

Project managers receive daily email report of spill events and fish counts



## BioSonics is...

A consulting, engineering and manufacturing firm with over 30 years experience.

Specialized in the application of hydroacoustic technology for monitoring and assessment of aquatic biological resources.

A turnkey solutions provider of sonar systems and services including study design, installation, data processing, and reporting.

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