

A Turnkey Solution

Compliance, Operational Efficiency, Savings

Section 316(b) of the Clean Water Act presents industry, including the power generation industry, with significant challenges – challenges we help our clients meet.

Under Section 316(b) of the Clean Water Act Congress has mandated, "316(b) requires that the location, design, construction and capacity of cooling water intake structures reflect the best technology available for minimizing adverse environmental impact." Section 316(b) applies to power plants (and manufacturing facilities) that are a point source discharge with the capacity to withdraw greater than 2 million gallons of water per day from an adjacent water body and use at least 25 percent of that water exclusively for cooling.

These facilities must use "best technology available" (BTA) to meet minimum standards of reducing rates of Impingement Mortality – fish and shellfish killed on intake screens – and Entrainment – fish eggs or larvae drawn through the cooling system. Which technologies meet BTA standards for the most part is left to state regulatory agencies.

Compliance with 316(b) carries significant impact on facilities using cooling water, with potential cost and plant efficiency paramount. Solutions for 316(b) compliance vary widely in this regard. Plants operating under a NPDES or state SPDES permit may be required to test and implement 316(b) compliance technologies to determine their effectiveness and fit for their budget and operational parameters.

Our clients turn to us for answers to their 316(b) challenges that provide compliance, operational efficiency and savings – all within a customized, turnkey solution.

Smart Screens™

We have developed a unique solution to the challenges of 316(b) compliance through our exclusive Smart Screen™ traveling screen technology. This technology offers much lower costs, significantly shorter downtime for installation and greater plant efficiency than other 316(b) compliance options.

In addition, through our partnership with Atlas Manufacturing Company our approach offers clients a one-source, turnkey solution, as we design, manufacture, install and maintain our Smart Screens™, providing clients with additional cost savings. MVN Associates becomes a trusted partner in implementation of an innovative and reliable solution to the challenges of 316(b).

The Smart Approach

We offer clients this unique and innovative solution to the challenges of 316(b) through a client-friendly process designed to meet your compliance needs, minimize disruption to your plant's operation and maximize your cost savings when compared with alternative options. We let you focus on your core business.

Our approach:

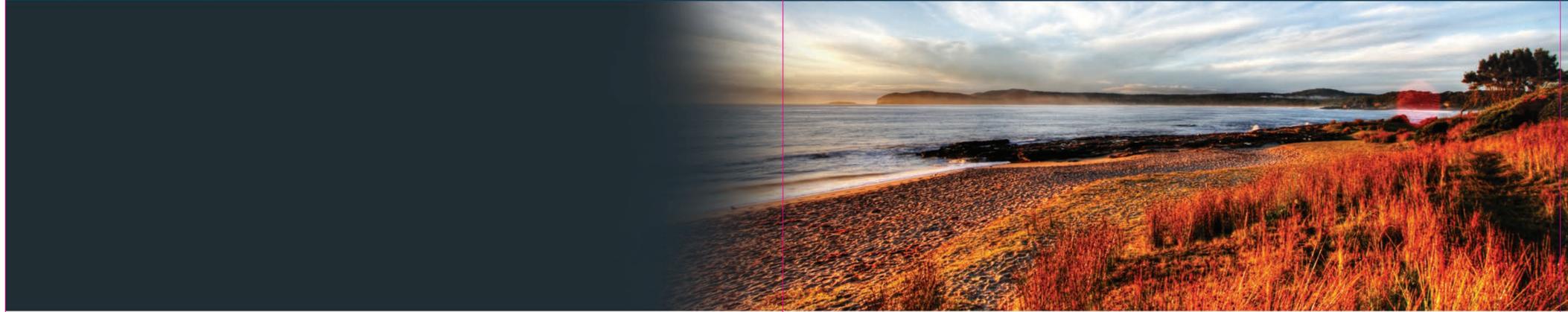
- Allows for proof of concept at a minimal cost
- Minimizes plant downtime for installation and maintenance
- Enables reliable plant operation at full capacity
- Provides a one-source, turnkey solution
- Meets 316(b) compliance standards

Initial project implementation includes:

- Modeling – CFD (Computerized Fluid Dynamics) analyses
- Testing
- Engineering – Civil, mechanical and electrical
- Equipment – Smart Screen™ traveling water screens, controls and other necessary equipment
- Construction
- Operation
- Maintenance



Creative Solutions for Complex Challenges



Business Development: Denise MacQuirk
dmac@mvnassociates.com 908-994-1114



MVN Associates, Inc.,
330 South Front Street, Elizabeth, NJ 07202
908-994-1114 mvnassociates.com



MVN Associates, Inc. is a full-service, multi-disciplined project design, management and implementation company providing innovative and cost-effective solutions to above- and below-water challenges of all scopes and sizes.

We are experts in:

- Dockbuilding
- Commercial Diving
- Mechanical Service
- Environmental Services
- Specialty Work

We provide our clients with a single-source, turnkey solution to every aspect of their project needs. With more than 30 years experience, we understand the unique needs of each client and custom-design creative solutions.

Our reputation for an experienced staff committed to personalized service, on-time project completion and the highest standards of safety have aligned us with such private and public entities as Con Edison, National Grid, The City of New York, NRG Energy, TransCanada, PSE&G and many more.

Innovative design and reliable implementation make us a trusted partner for our clients – today and tomorrow.

Creative Solutions

We provide creative solutions to complex problems. As a full-service project design, management and implementation company, we offer our clients access to a full menu of disciplines that answer any project demand. This enables us to custom-design project plans to meet each unique challenge while providing our clients with a single-source solution. Our more than 30 years experience enables us to see answers where others see obstacles.

Our areas of expertise include:

- Utility, power plant and public services
- Marine structures and Dockbuilding
- Commercial Diving
- Rotating equipment optimization
- Demolition and salvage operations
- Inspection and survey services

Our staff brings decades of experience and depth of knowledge to every project. We provide personalized service and an understanding that safety is paramount on every job. In addition, our industry relationships allow us to tailor each project team with the knowledge and talent that ensures success.

Our history has positioned us as trusted partners to some of the most respected private and public entities in the region and nation and our track record has solidified our industry reputation for successful and on-time project completion.

Drawing on our experience, expertise and innovation, we have developed a unique 316(b) solution that provides the power generation industry full compliance with the existing regulatory framework at considerable savings with minimal operational disruption.

Analysis & Testing
 Design & Implementation
 Monitoring & Verification
 Maintenance



Divisions...

With a diverse offering of expertise and experience in Dockbuilding, Commercial Diving, Mechanical Services, Environmental Services and Specialty Work we are able to provide our clients with a customized single-source solution to any challenge. As many projects require expert capabilities in multiple disciplines, we are able to custom-design all facets of a project, implement all work using a teamwork approach and provide clients with the security and ease of working with one company. In addition, our proficiency in multiple areas enables us to see solutions to challenges other less diverse companies do not.

...Delivering Results

From emergency generator repairs and bulkhead replacement...to cutting-edge and cost-effective environmental solutions...to transport of the Concorde and construction of an artistically unique museum... the projects of MVN Associates reflect the diversity of our capabilities and the depth of our innovation and creativity.

Our multidiscipline expertise provides our clients with a one-source solution to their challenges – whether planned or emergency in nature. Our diversity enables us to custom-design a project plan and project team and bring to each assignment the correct resources and skills to get the job done – on time, on budget and with safety as the foundation of everything we do. In addition, our ability to provide a turnkey solution relieves clients of additional burdens.