



A continuous supply of seawater is essential for the operation of every coastal industrial plant.



Working with a unique team of experts in the fields of screening, marine ecology and seawater intake systems, we provide tailored solutions to prevent the risk of an unplanned shutdown due to ingress of high volumes of biological material.



The Bioprotect service protects seawater intakes against risk arising from:

- Schooling fish
- Jellyfish blooms
- Marine mammals
- Marine turtles
- Seaweed and seagrass



- Emergency Response Plan.
- Identification and ecological profiling of risk species.
- Root cause analysis of operational problems and/or failures.
- Design Best Available Techniques (BAT) for the design of your seawater intake system.
- Short and long term solution.

### Benefits for plants in planning stage or under construction:

- Providing definition of best practice for intake operations as the plant transitions from construction to commissioning and into its full operational phase, including effective biofouling and corrosion protection.
- At pre or post construction stage independent review of the intake system's design, covering biofouling control, screening and debris handling, long term maintenance and OPEX analysis.
- Intake operation and maintenance planning at 5, 10, 15 and 20 year milestones.

### Our specialist partner companies:



Experts in seawater intake systems, focusing on screening, screening handling and electrochlorination hardware for biofouling control.



Experts in marine ecology, oceanography, environmental and biodiversity monitoring and management.