

15 UV SYSTEMS POWERING A CRYSTAL-CLEAR EXPERIENCE

“Home to 31.000 vibrant
marine animals”

Lotte World Aquarium's Challenge

With a total area of 9,094 m² and 67 large display tanks, Lotte World Aquarium Hanoi is home to more than 31.000 marine creatures from over 400 species. The aquarium offers a highly realistic simulation of the marine world, endlessly inspired by the magic of the deep blue ocean and the distinctive cultural features of Vietnam.

For the construction of this new aquarium, Lotte required a reliable UV solution provider to ensure optimal water quality for all 400 species and provide visitors with the clearest possible view inside the tanks.

The Solution

VGE was selected as the main supplier for the UV disinfection systems at Lotte World Aquarium Vietnam. A total of 15 HDPE UV systems in various sizes were delivered and installed. These systems are integrated into the aquarium's life support systems and are designed to achieve a UV dose of 45 mJ/cm² at a UVT of 95% at the end of lamp life.

Thanks to their HDPE construction, the systems are completely resistant to corrosion, ideal for the tropical seawater environment. Additionally, each system is equipped with a UV sensor to monitor disinfection performance, as well as a temperature sensor to prevent overheating.



VGE Pro HDPE 1950-315

