

NATURAL ENERGY LABORATORY OF HAWAII AUTHORITY

Product: Simsite Impeller
Material: SIMSITE 300
Impeller Diameter: 20.22

CASE STUDY
CR23474

Customer Comments: "It was like "night and day". The impeller and wear rings in our impression, last indefinitely and extend the service life of the pumps many years. Now the Simsite® impellers do not wear out, but the volute and other wetted components of the pump fail."*

"We are very pleased with your Simsite® products. When I first heard about your company and the composite alternatives to cast iron or stainless steel, I was ecstatic. This was a cost effective, alternative choice to using metal replacement parts that I had been looking for. In short, using Sims composite impellers saved us a lot of costs in the long run and gave us much more confidence in the serviceability and reliability of our pumps."**

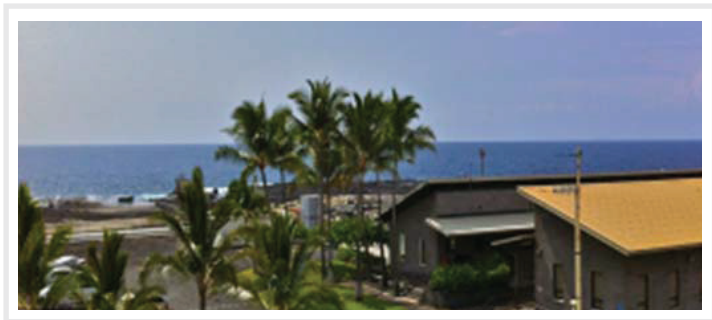
~ Jan C. War, Chief Operations Officer

Problem:

NELHA delivers seawater to over 30 companies at our facility. They use coated cast iron/Stainless Steel pumps to accomplish this delivery. The impellers of these pumps are the first factory component to fail due to corrosion.

Results:

Have been using Simsite impellers since 2003. The Simsite® Composite material has eliminated all corrosion and reduced wear. "We have been purchasing composite impellers and wear rings from Sims since 2003. Every impeller and wear ring is still in service. In some cases where the original pumps we installed them in have reached their full service life, we have transferred the impellers into newer pumps."



Company Location: Kailua Kona, Hawaii – January 24, 2017

Company Background: NATURAL ENERGY LABORATORY OF HAWAII AUTHORITY'S (NELHA) mission is to develop and diversify the Hawaii economy by providing resources and facilities for energy and ocean-related research, education, and commercial activities in an environmentally sound and culturally sensitive manner. Three sets of pipelines deliver deep sea water from up to 3000 ft. depth as well as pristine sea surface water.

A 20.22 x 12.56 Simsite® Impeller installed by NELHA.

