

GENERAL INDUSTRY

OVERVIEW

At Pivotal, we have experience repairing pumps from all OEM's, across a wide variety of industries and applications. Our expert engineers will work with you directly to understand how we can add value to your operations through our pump repairs, field installation services and aftermarket parts solutions.

Applications

- Amusement Park Pumps
- Food Processing Pumps
- Brewing Pumps
- Distillation Pumps
- Fire Suppression Pumps
- Automotive Paint Pumps
- Marine Pumps
- Agricultural Irrigation Pumps
- Construction Pumps
- Mine Dewatering Pumps
- Seawater Recirculation Pumps

Challenge

Seawater pumps used for marine and distillation processes are subjected to operation in corrosive environments. Many pumps designed for seawater service are therefore constructed from austenitic stainless (316 or 304 stainless steel). While this construction is appropriate to address corrosion concerns, 316/304 SS is an inferior choice when wear resistance is taking into consideration.

The Pivotal Solution

Pivotal Pumps can implement relatively minor material upgrades that will yield significantly higher service life, without sacrificing corrosion resistance. We can provide exotic material upgrades to alloys such as Nitronic 50 that will provide higher corrosion resistance than 316 stainless steel, with approximately twice the yield strength and wear resistance.