

SimS
SINCE 1919

55 YEARS IN SEAWATER SERVICE
– IT IS NOT 316 STAINLESS STEEL,
IT IS NOT DUPLEX, IT IS NOT
SUPER DUPLEX – IT IS SOMETHING
MUCH BETTER – SIMSITE®





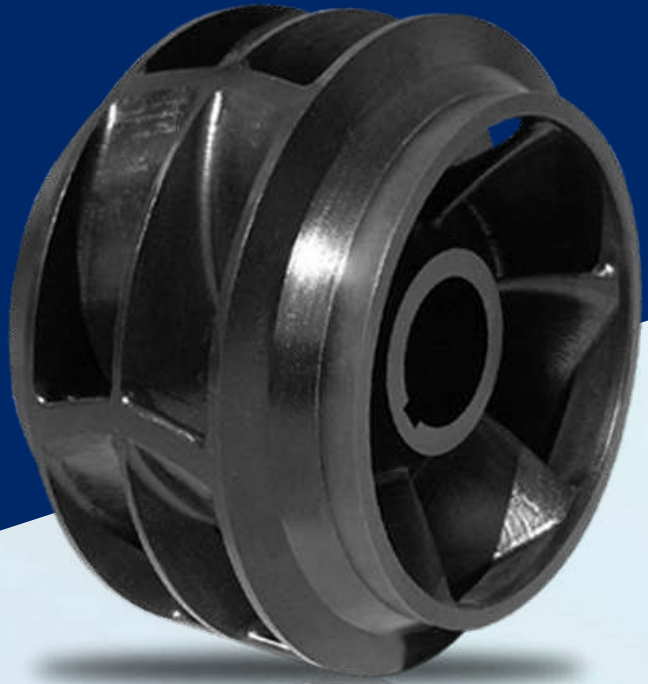
85% lighter weight than Duplex, – Specific Strength Greater than Stainless Steel, Designed and Engineered for the Best Efficiency and Best Operating Points on the curve! Compare this to any metallurgy on the market – it is far Superior!

This very large **SIMSITE®** Structural Composite Carbon Fiber Impeller and Casing Ring Set was installed in a Main Circulating Pump in 1965 and ran continuously until 2020 when it was sent back to the **SIMS** Factory for Re-Conditioning.

It was Designed and Engineered for 14,000 Gallons per Minute of Seawater!

This is Why **SIMSITE®** Pumps, Impellers and Pump Components are Superior to All Metallics in Corrosive Applications!

- **No Corrosion**
- **No Erosion**
- **No Cavitation**
- **No Electrolysis**
- **No Imbalance**
- **No Performance Deterioration**



SIMSITE® Impellers & Casing Rings:

- Eliminate All Corrosion in Seawater, Sewage, Wastewater, and Chlorine!
- Eliminate Electrolysis – Galvanic Corrosion!
- Eliminate Cavitation Problems!
- Eliminate Performance Problems!
- Eliminate Balance Problems!
- 100% Machined on the Inside as well as the Outside – Not Cast or Molded!
- Light Weight! – 1/6 the weight of Stainless Steel
- Less Shaft Deflection!
- Perfectly Balanced for the Life of the Impeller!
- Prevents Catastrophic Failure of Pump!
- Non-Sparking!
- Non-Galling!
- Extends the life of Metallic Casings because Simsite® Impellers are inert!
- Increases Pump Efficiency!
- Extends the Life of the Pump!
- Eliminate Repair and Maintenance Expenses!
- Pump Performance does not deteriorate like it does with metallic impellers!