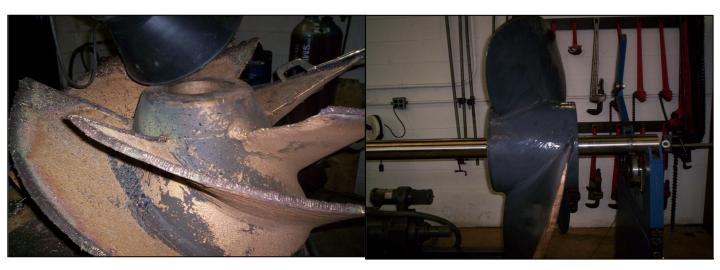


# Bronze Impeller Refurbishment



#### **PROBLEM**

A power plant on a lake had a bronze impeller that suffered extensive corrosion and erosion of the base metal.

The company was looking for a cost-effective alternative to buying new equipment and minimize downtime in the plant.

### **SUBSTRATE**

Bronze

## **PRODUCTS USED**

RESIMAC 204 HD

RESIMETAL 202 Ceramic Repair Fluid (2 colors)

## SOLUTION

The surface of the impeller was blast cleaned to a minimum of NACE 2.

One coat of <u>RES 204 HD</u> a reinforced repair – was used to give excellent abrasion resistance. <u>RES 204 HD</u> is simple and safe to use and designed for areas subjected to cavitation and impingement damage.

Two coats of <u>RESIMETAL 202 Ceramic</u>

<u>Repair Fluid</u> were then applied to give extra protection and a smooth finish to the impeller.

This system offers excellent abrasion and erosion properties, even under the most aggressive operating conditions.

The customer was very pleased to have a quick, efficient solution that lasted 5 years until the plant was moth balled.