

## TCO CASE STUDY

**MOTOR STORAGE****Respond. Rethink. Resolve.**

# Asset Storage and Maintenance Management Protects Investments

## THE CHALLENGE

An aggregate customer possessed two critical spare motors - a 1200hp ball-end mill motor and a 1500hp refiner motor, both brand new and still in their crates. These motors were intended for use in a demanding operational environment. However, they were left in an aggressive, non-controlled environment for a year without any maintenance. The recommended course of action was to store these motors in a climate and humidity-controlled storage facility. Despite this recommendation, the customer declined due to distance, budget constraints, and other priorities. A new Reliability Manager joined the location and recognized the pressing need for maintenance due to the motors' prolonged idle state. Concerned about the condition of the motors, he requested quotes for the re-conditioning of the two motors.

## THE SOLUTION

IPS restored these motors to install-ready condition and we suggested storing the motors at our climate and humidity-controlled storage facility to prevent future deterioration. The customer accepted the proposal. The repairs for both motors cost the customer \$45,000. Our climate-controlled storage facility, which included regularly scheduled maintenance, would cost the customer \$7,524 annually. The customer could have avoided the costly re-conditioning charges by opting for this storage solution when initially offered.



## RESULTS

The annual cost of storing the motors at our facility, combined with regular maintenance, could have saved the customer \$37,476 annually, not to mention the potential for avoiding future repair costs due to environmental neglect. In the future, should the customer need these motors, they will be install-ready! Investing in preventative measures can lead to significant cost savings and ensure the longevity and reliability of essential industrial assets.

**TOTAL ANNUAL  
SAVINGS  
\$37,476**