



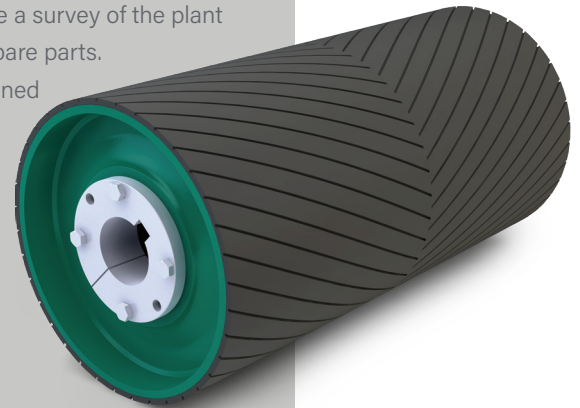
## SAVING MONEY BY REDUCING INVENTORY

### CHALLENGE

A major salt producer had multiple above and below ground conveyor systems in their processing facility. The company's previous pulley provider did not want to share details on each pulley (sizes, drawings, etc). The distributor just assigned a part number for each pulley on each conveyor. The customer was concerned they would be over stocking spare parts with this approach.

### SOLUTION

PPI Sales and Field Engineering were asked to complete a survey of the plant and develop a plan to consolidate pulleys and reduce spare parts. After measuring all the pulleys plantwide, it was determined that PPI would be able to reduce the spare pulleys required. PPI went even further and showed them they could further reduce their onsite spares by consolidating shaft sizing and bushing sizes (where appropriate). Retro Rolls were compatible with the existing systems in the plant.



### IMPACT

The customer's maintenance can now develop a plan to maximize spares, as well as plan for the pulley consolidation on their conveyors. The reduction in spare inventory, sourcing, and program maintenance has led to substantial cost savings without having to alter the structure of the conveyor systems.

PPI also found savings by identifying 4-6 pulleys that needed immediate replacement prior to start-up. The pulleys had severely corroded shafts or the pulley rim had failed. Additionally, we found three pulleys with different pillow block bearings. This was causing the pulley to be misaligned due to the different bearing center lines.

### COST SAVINGS

The end user saved \$76,645 in pulley and shaft consolidation while avoiding down time.



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