

## **System Design / Improvement – We have strong Chemistry / Engineering Experience!**

**Our experience includes:** industrial waste water treatment system design, phosphatizing system design, natal etch system improvement / system re-design, de-greasing and de-rust system design, cone-felting system re-design, washer system design, various oil / water separation design, dry charge battery manufacture, and other manufacturing processes requiring both chemistry and an engineering backgrounds.

**We reduced the total process water consumption in one dry-charge battery manufacturing plant 80%, by re-designing their dry-charge battery manufacturing process.** The savings reduced the waste water treatment system, which we designed, cost to install and cost of operation.

**We provide metallurgical failure analysis to determine the underlying cause(s) for equipment failure / loss, so the losses do not reoccur.** Failure causes can result from direct contact of dissimilar metallurgies, chemical addition / overfeed of chemistry that degrades specific metallurgies, especially schedules of stainless steel. The necessity for “machine grounding” in addition to the obvious “neutral grounding” is a common factor.

**We provide Evaluation of current chemical programs / applications, providing a third party incite.**

Understanding the options available, including their advantages and limitations, puts you in a power position over the system protection you want, need, are paying for, and may be getting.

**We would like to partner with you to make good things happen!**