



Case Study III

Industry: Steel Processing

System Type: 100% water recycle

Existing Water Treatment Equipment: 20 year old Chemical Precipitation System unable to meet current discharge requirements

Reason for the change: Not enough water for production and not meeting the discharge requirements

Challenges: Customer had very high TDS concentration in the waste water which we needed to be able to remove this to reuse the water

New System: Fully automated 175 gallon per minute water reuse system for the rinse waters and concentrates.

Which included :

- Chemical precipitation
- IX
- RO
- Evaporators
- Crystallizers

Outcome: Dramatically reduce cost of new water purchases, ease of operation due to the automation and eliminated liquid discharge