



Masters of Implementation©



Hydro Dam Facility Maintenance Plan – Case Study

Owning and operating over 160 dams, our Client is one of the largest West Coast Dam operators in the U.S. The company employs over 23,000 people and provides natural gas and electric service to approximately 16 million customers.

Background and Situation:

- Client was experiencing excessive Maintenance Issues
- Remote nature of sites had led to “tribal knowledge” system of maintenance
- Little was documented in CMMS. Drawings, Manuals and Procedures were not updated and people with knowledge were retiring
- Documentation and understanding of current Equipment Condition and Maintenance Requirements were uncertain
- Ability to ensure and prove Compliance to Regulatory Agencies was in question

Process Results:

- Engaged site personnel to extract local knowledge
- Walkdown Dam assets to secure Nameplate Data to research Maintenance Requirements online
- Secure associated Manuals and Equipment Documentation
- Develop best practice Maintenance Program for each Critical Asset
- Updated CMMS (SAP) to leave a clear and concise path forward for their equipment

Bottom-Line Results:

- Of the 47 Dams completed so far, our walkdowns captured 11% of critical equipment items that were not in the CMMS.
- In total we have developed upward of 2500 Maintenance Plans for all Critical Dam Equipment.
- Federal, State and Local Regulatory requirements were met or exceeded to ensure Compliance