Shermco industries

One Line. One Company.

The Largest Field Service Technical Group in the Industry that Never Compromises Safety

Contact us at www.shermco.com or to find a location near you

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Electrical Program Asset Management

Asset Management for Reliability and Cost Savings.

Electrical assets are designed and manufactured for safe, reliable, and efficient transmission, generation, and distribution purposes. However, if not maintained on a regular basis, they can fail. When these failures and outages occur, they create havoc in production and can result in substantial financial loss. Shermco's Asset Management Team is there to help you prevent these costly unplanned events.

Ongoing Preventative Maintenance or Condition-Based Equipment Monitoring: Which is Best?

Actually, both are important. That's where our asset managers come in. The correct blend of both activities can achieve the best operating and maintenance state, resulting in a low failure rate while saving capital expense.

Shermco's Asset Management Program Benefits.

- Significantly fewer emergency breakdowns
- Complete capital planning using correct data
- Understanding the total cost of ownership or when repair cost exceed the cost of replacement
- Use proven engineering and economic analysis to plan your capital replacement and maintenance
- Develop maintenance plans using YOUR data, including the health and criticality of your equipment

Steps of Our Asset Management:

1. We start by collecting all useful data such as test results, maintenance inspections reports, age and date of installation, maximum electrical loads, nameplate data, previous failures, number of splices (cables), and ambient temperatures. Then we add the data a to cloud-based asset registry portal.
2. We create a health index unique to each asset in a selected asset class. Then we input your data into our model that has been developed over the past 20 years of R & D using North American Power Utilities' data.
3. Using industry research, reliability engineering tools, the health index, and the age of the asset's, we develop a failure curve to predict an asset's failure date.
4. The impact of failure is established by looking at the cost to repair or replace, availability of spares or replacements, cost of downtime and replacement or repair, potential health and safety consequences, environmental and social costs, and public perception. The costs of potential impacts are determined so you can decide the level of risk you are willing to assume.
5. The probability and potential impact of failure feeds into a cost of ownership and an optimal intervention time. This balances the risks of failure with the replacement or repair cost, giving you a detailed business case for intervention.

Shermco Offers the Complete Program for Electrical Asset Management.

Electrical Program Assessment:

- Strategy and standards
- Equipment condition
- Worker qualifications
- Documentation systems

Electrical Maintenance/Asset Management Tools:

- A customized solution that fits your needs and budgets
- Electrical asset management including maintenance, training, safety, and management programs
- Documentation: cloud-based data management system
- Subject matter experts
- Formal risk and criticality analysis: root cause failure analysis, failure modes, and effect analysis

Asset Management Program:

- Health Indexing
- Life cycle predictions/failure-curve development
- Cost of ownership analysis
- Capital replacement plans
- Enhanced maintenance options