



KINECTRICS

Asset Management Solutions for Electrical Power Systems

Expert Services for Sound Decision-Making



Asset Management Solutions

Kinectrics Asset Management methodologies are founded on solving the most demanding technical challenges for Ontario Hydro (one of North America's largest and most advanced utilities) and then its successor companies for over 100 years. As such, our theoretical knowledge is backed by practical experience from conducting testing and incident investigations for all major electrical power system equipment categories. Over more than 15 years, Kinectrics became a world-renowned leader in Asset Management, with its staff involved in the development of asset management standards and heading and/or participating in CIGRE and IEEE Asset Management Committees and working groups. Kinectrics staff are holders of IAM Certificate in Asset Management.

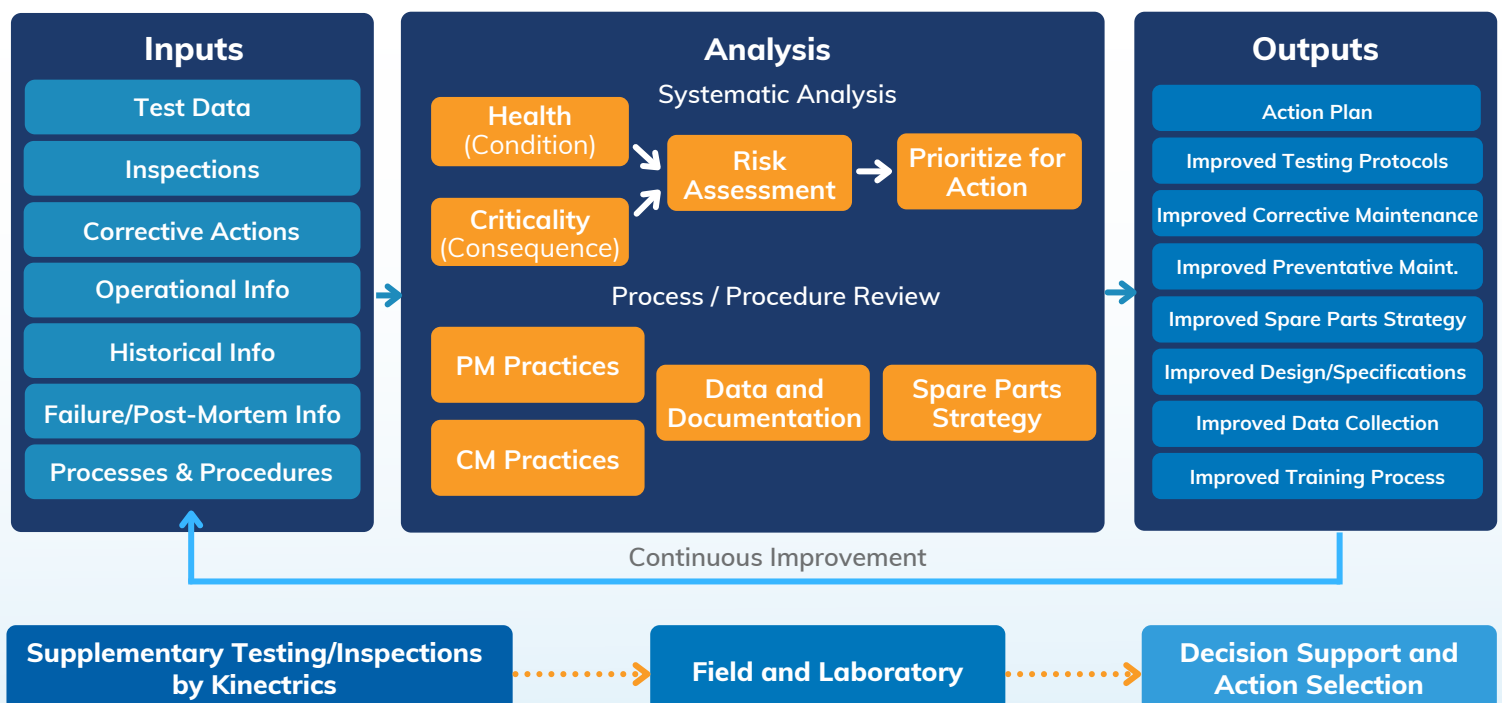
Optimizing the balance between operating performance, financial performance and business risk, Kinectrics Asset Management techniques go far deeper than the typical desktop analysis providing:

- **Recommending immediate actions based on latest findings**
- **Long term capital investment plans**
- **Advice on maintenance protocols**
- **Targeted equipment testing**



Equipment Focused Asset Management

Equipment focused Asset Management services involve performing Asset Condition Assessments (ACA) using Health Indexing to identify assets that require attention and then utilizing risk-based methodologies to develop short and long-term action plans:

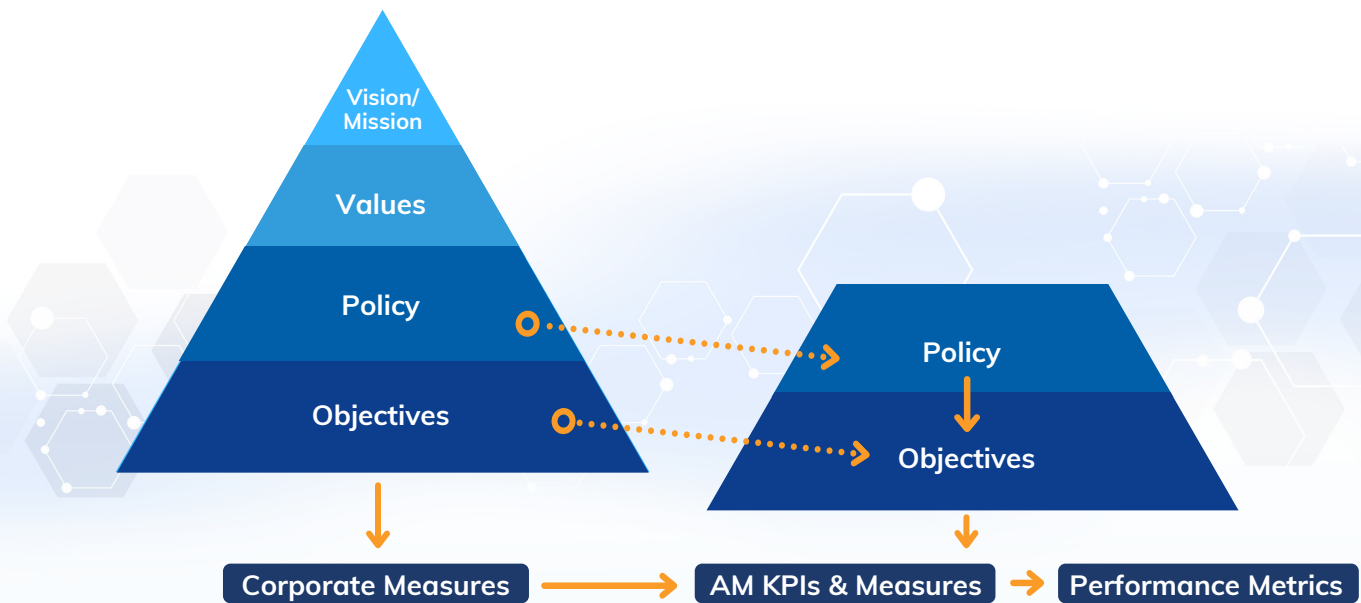




Strategy Focused Asset Management

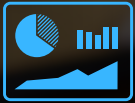
Strategy Focused Asset Management services involve improving and standardizing decision-making processes by:

- Using customized tools such as Kinectrics' Investment Prioritization Application (PROSORT) and Degradation Curve Generator (DCGEN)
- Gaps identification for ISO55000 certification, including development of SAMP and AMPs and creation of Corporate KPIs
- Assisting with all aspects of the regulatory process including testifying at oral rate hearings
- Establishing Performance Metrics



Operational and Financial Benefits

- Fewer service interruptions due to equipment failures
- Improved safety and reliability
- Better asset knowledge
- Optimal action plan (deferred/targeted investments)
- Regulatory justification (defensible rate submission)
- Documented process
- Optimized lifecycle costs of assets
- Effective and efficient prioritization of investments



Automated Data Analysis and Visualization

Kinectrics' online dashboard:

- Provides a visualization of analysis results



Specialized Asset Management Services

- Regulatory support to both utilities and regulatory bodies
- Specialized workshops and training
- Pre-acquisition due diligence
- End of life economic assessments



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