



### **Our infrared & PdM program differentiators are:**

- Single source provider including program management for all your predictive maintenance needs (Infrared, vibration analysis, oil analysis, ultrasound analysis and motor testing)

### **ViewPoint PdM Programs reporting and data management software**

- Centralized information - All PdM data is in **Viewpoint**, a single source, web-based, integrated PdM data and management tool (available 24 hours a day 7 days a week)
- Secured web-based software (secured socket layer (SSL) encryption, Login/ Password protection techniques)
- Dynamic, interactive tools for searching, sorting, filtering, aggregating and prioritizing your equipment inventory
- Customizable user specific reports
- Management dashboard for a single site, region or all sites
- Reliability analysis reports, tools and trending
- Year over year comparison of inspected assets
- A dynamic inventory list of all surveyed assets. Inventory includes:
  - Manufacturer
  - Model number
  - Equipment specifications
  - QR code labeling
  - Asset ID and name
  - Asset location
  - Asset criticality
  - Identification of the system the asset supports or serves (electrical)
  - Search and sorting tools, categorized for PdM technology, equipment type or OEM filtered for a particular facility or for all facilities.
  - Complete history of your facilities assets (all previous inspections).
  - Reliability Benchmarking by asset type
- Ability to print reports or individual problems
- Ability to export data to an Excel spreadsheet
- Update problem status and enter repair information
- Email alerting
- Automated cost benefit tracking including:
  - Lost production saving
  - Energy saving
  - Failure avoidance
  - Customizable variables (labor, cost/kW, hour of operations, etc.)

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- Energy Star compliant algorithm that automatically calculates the annual energy savings associated with thermal anomalies
- Mobile companion – ViewPoint On Demand to access electrical PdM data and facilitate repairs in the field, at the asset

### **Electrical Infrared PdM Programs**

- QR code labels applied to all electrical assets inspected
- Ability to scan QR code from a mobile device to access assets history, problem found and enter repair action
- Visual image captured for all inspected items
- Thermal image captured for all inspected items (baseline and problems)
- Baseline amp readings on all three phase, where applicable and safe (determine load & phase balance)
- Amp reading on problem component – where applicable and safe.
- Ambient temperature reading for each problem component.
- Proprietary software and algorithms utilizing field measurements and manufacturers data to predict electrical component issues earlier and more accurate than traditional methods
- Problem forecasting at different equipment loads (50% & 100%)
- Visual inspection to identify NEC code or OSHA compliant issues
- Problem severity determined by the Thermographer's input and the field software that considers; component manufacturer specifications, electrical load, ambient temperature, material, and equipment criticality

### **Integrated PdM Programs**

- Unique program design “not a one size fits all model” for faster results and return on investment
- Complete integrated management and data associated with infrared, vibration, oil analysis, ultrasound and motor testing PdM inspections.
- Six severity levels for problems or deficiencies; critical, serious, important, minor, compliance, visual
- Probable cause of all problem found
- Recommended repair actions for each problem found
- Vibration programs supporting three different delivery models; in-house, hybrid and outsourced
- Support for many PdM instrument, equipment manufacturers and oil laboratories
- Local automated data collection with remote monitoring & analysis