

## Product Overview

# ER Suite



An integrated set of solutions for process improvement, increased equipment reliability and operational performance requirements in power generation and transmission and distribution industries

The Ventyx ER Suite improves plant equipment reliability by:

- Integrating the right data at the right time
- Standardizing and institutionalizing processes
- Improving communication and sharing
- Providing fleet and enterprise-wide solutions
- Facilitating efficient process change
- Using the best technologies and techniques
- Capturing worker knowledge
- Satisfying IT and business process requirements

ER Suite is made up of four key solutions areas providing twenty-one adaptive modules that are specifically designed to address the following ER process elements:

- Asset Data and Classification – Scoping & Ownership
- Preventive Maintenance (PM) Template Implementation & Maintenance Basis Optimization

- PM Program Changes and Continuous Improvement
- Individual Component Condition Monitoring, Predictive Maintenance (PdM)
- Component Type (Cross System Trending) and System Health Reporting and Performance Monitoring
- Long Range Planning/Portfolio Analysis and Long Term Asset Management
- Dashboard, and Automated Metrics

### ER SUITE MODULES

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#### Maintenance Optimization

- **IQReview:** Component Classification, Template Management & Implementation, Functional Equipment Group Management, Maintenance Basis Optimization (MBO)
- **PAM Manager:** Proactive Maintenance Automation - Just in Time (JIT) Work Order Review / Craft Feedback Review
- **DeferralIQ:** PM Deferral Workflow and Tracking

- **Ranking Index of Orders (RIO):** Work Prioritization
- **PMT Manager:** Post Maintenance Activity Management and Operability Testing
- **PM Forecaster:** Repetitive Task Forecasting, Input to Long-Range Planning (LRP)

## Asset Health Management

- **SystemIQ:** System Health, Performance Monitoring, Notebooks, Walkdowns
- **ProgramIQ / ComponentIQ:** Program / Component Health Reporting, Cross System Trending, Notebooks
- **PlantIQ:** Predictive Maintenance (PdM), Condition Monitoring, Component Health Reporting
- **Power DeliveryIQ:** Predictive Maintenance (PdM), Substation/Line and Division/Area Condition and Health Reporting
- **MRule Manager:**
  - Maintenance Rule Structure, Systems and Components Scoping & Performance Criteria, Monitoring, Goal Setting
  - MSPI Reporting and Forecasting
- **OE ExtractorX:** Automated Handing of Operating Experience - Collection, Distribution, and Disposition
- **TrendIQ:** Trending and Analysis, Corrective Action, Work Management, etc.
- **Service Request Manager (SRM):**
  - Centralized Issue/Event Collection, Workflow, and Disposition
  - Applied to Margin Management, Observation Programs
  - KPIs – Licensee Event Reports, Operator Workarounds/Burdens, Limited Condition of Operation, Operating Experience, etc.

- **ERDashboard:** ER KPIs / Metrics / Launching Point / Single Point of Login
- **ERI:** Equipment Reliability Index Automation/ Reporting, Industry Reporting and Comparison

## Life Cycle Management

- **LTA Manager:**
  - Issue Capture and Prioritization
  - Business Case Analysis
  - Deferral Risk Analysis
  - LTAM Plans
  - Capital Planning
  - Checkbooks – Site and Fleet
  - Financial Forecasting
  - Long Range Planning (LRP)
  - Process Workflows and Management .

## Engineering Programs Management

- **Engineering Programs Management Suite (EPMS):** Plant Engineering Program Management tools that include data collection, schedule monitoring, trend and failure forecasting, document linking, and integration with equipment reliability applications, work management systems, and corrective action programs.
- **805 Monitor / Impairment Log:**
  - Documentation, Tracking, and Reporting on fire impairments and compensatory measures
  - Performance monitoring on fire protection equipment
- **Leak Manager:** Leak Program Data Collection and Management, Boric Acid Corrosion Program Support
- **SmartSeal:** Valve Packing, Configuration Management and Documentation



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Some of the world's largest private and public enterprises rely on Ventyx solutions to minimize risk, enhance operational and financial performance, and execute the right strategies for the future.

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