QUALPRO

Statistical Methods for Improving Maintenance Performance

Upcoming Seminar Date
October 17-20, 2017
Knoxville, Tennessee

REGISTER NOW

(865) 927-0491, Ext. 223 • www.qualproinc.com

About Us

QualPro has provided process improvement consulting, training, and services for manufacturing companies for over thirty years. Throughout that time, we have worked closely with maintenance organizations to support production objectives, improve efficiency, and increase the effectiveness of operations. We can teach you how to use valuable maintenance data to reduce downtime, reduce maintenance costs, and improve operations. Through better preventive and predictive maintenance planning, QualPro can help your business improve job planning and execution, inventory control, and total cost management.

While attending our seminar, you will have ready access to QualPro's qualified consultants. These experts have decades of experience in making breakthrough improvements in thousands of businesses using our MVT® Process. They will guide you through the finer points of process improvement readying you to return to your business informed, inspired, and ready to implement your new knowledge.

Benefits of the MVT® Process

- Increased throughput, yields, and quality—without additional capital expenditures
- Reduced unscheduled downtime and maintenance costs
- Improved product performance, customer satisfaction, and employee productivity
- Increased shareholder value

QualPro Client Results

60%
Reduction in pump failures

30%
Increase in uptime with a 47% reduction in maintenance costs

16%
Reduction in energy costs

44%
Reduction in changeover time

30%
Increase in run time while avoiding a $10 million capital expenditure

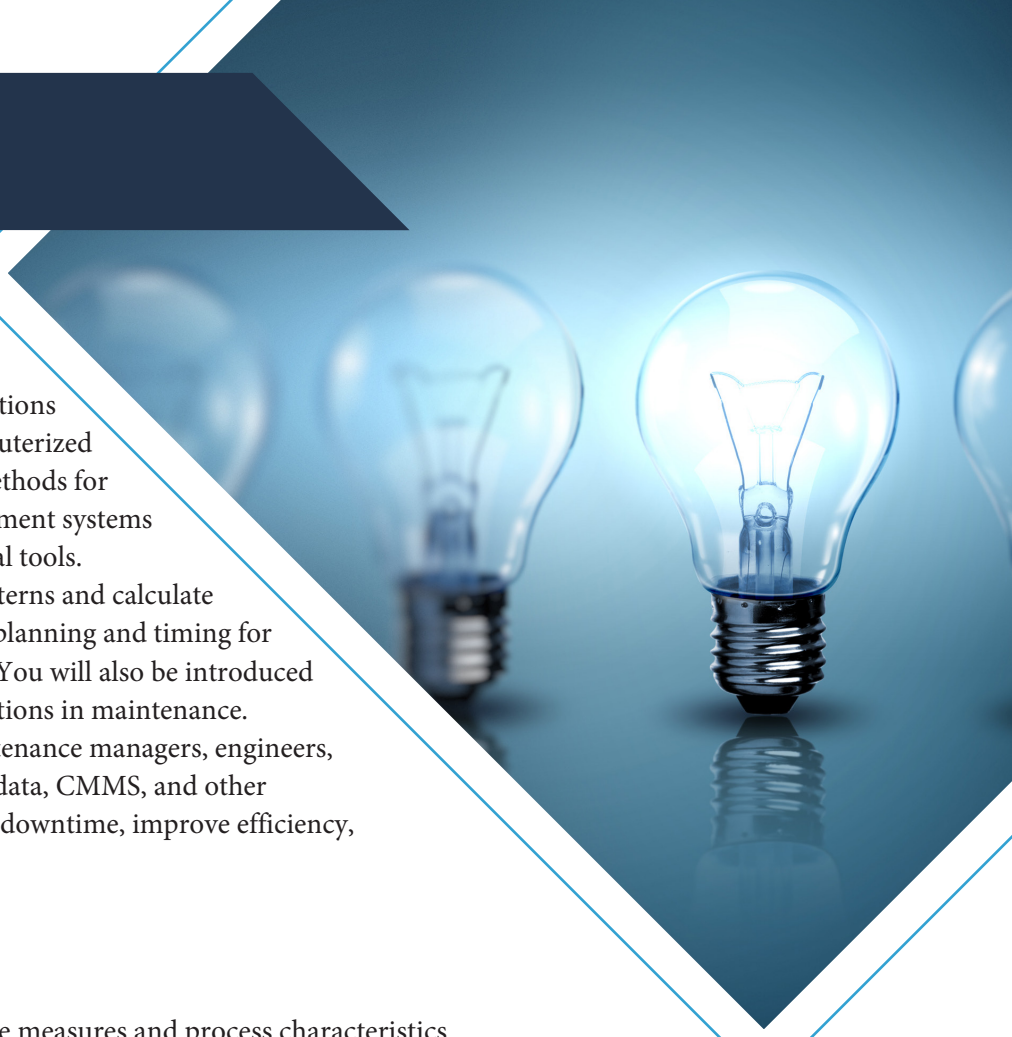
50%
Reduction in downtime

This seminar will take place on October 17-20, 2017

Knoxville, Tennessee

To request more information about this seminar, please contact QualPro by phone at 865-927-0491 ext. 223 or by email at seminars@qualproinc.com.

REGISTER NOW



Statistical Methods for Improving Maintenance Performance

This four-day seminar teaches maintenance personnel to better utilize maintenance and operations data, including data collected with modern Computerized Maintenance Management Systems (CMMS). Methods for assessing key performance measures and measurement systems are presented along with other diagnostic statistical tools. You will learn techniques to determine failure patterns and calculate failure rates, along with procedures to determine planning and timing for preventive and predictive maintenance activities. You will also be introduced to experimental design concepts and their applications in maintenance. This seminar is specifically designed to help maintenance managers, engineers, technicians, and other professionals better utilize data, CMMS, and other technology. Together these tools reduce costs and downtime, improve efficiency, and improve overall maintenance performance.

In This Seminar You Will Learn:

- How to view maintenance as a system.
- How to statistically monitor key performance measures and process characteristics.
- How to assess and improve measurement systems, process stability, and process capability.
- How to calculate failure rates and mean time to repair.
- How to determine failure patterns and utilize that information in preventive maintenance planning.
- How to apply experimental design methods to maintenance processes.

Course Outline

Introduction
- The Role of Statistics in Maintenance
- Reducing Total Costs

Targeting Business Results
- Maintenance System Design
- Variation and Its Effects on Maintenance

Measuring and Assessing Performance
- Key Performance Measures
- Statistical Tools for Maintenance
- Assessing System Capability
- Validating Measurement Systems

Monitoring and Controlling Maintenance Systems
- Control Charts for Variables Data
- Control Charts for Attribute Data

Continuous Improvement of Results
- Preventive Maintenance Planning
  - Estimating Failure Rates
  - Estimating MTBF
  - Evaluating Failure Patterns
  - Estimating Time for Replacement
- Reliability
  - Calculating Reliability and Availability
  - Calculating Reliability of a System
  - Use of Redundancy

Achieving Breakthrough Improvement
- Introduction to the MVT® Process

"I have been through Six Sigma Green Belt and Black Belt training. The QualPro course was a great addition to my previous training."
GAF, Beth Miller, Quality Manager

Contact

For more information on the seminar or QualPro, please visit our website, email us, or call the number below.

(865) 927-0491, Ext. 223

seminars@qualproinc.com

www.qualproinc.com

"The QualPro consultants have an innate ability to communicate, teach and instruct advanced concepts. The seminar is led in such a way that practical applications can easily and readily be understood. The statistical models, training materials and their genuine passion for the subject matter combined with personable and direct instructive techniques left me pleasantly surprised given the subject matter. I recall returning to work with a plethora of ideas that resulted in the application of tangible process improvements."

– Seminar Participant, Quality Engineer

QUALPRO

3117 Pellissippi Parkway
Knoxville, Tennessee 37931
865-927-0491