



Chemical Industry Virtual Seminars

**Statistical Process Improvement
Techniques to Improve Key Performance
Indicators and Increase Profitability**

(865) 927-0491 • www.qualproinc.com •



Essential Statistical Quality Improvement Techniques for the Chemical Industry

This four-day seminar teaches the basic techniques of statistical quality control and provides training in QualPro's continuous improvement philosophy. Our seminar content is presented in a simple, step-by-step approach with minimal technical detail and emphasizes the use of basic statistical techniques to uncover opportunities for breakthrough improvement. The course includes applications specific to the chemical industry and examples derived from real-world process improvement projects. This seminar will be beneficial to employees from all levels of your organization.

In This Seminar, Participants Learn:

- Status of quality improvement practices
- How to monitor and control key chemical product characteristics
- How to evaluate process capability
- How to sample product from multiple-stage processes
- Special techniques for monitoring and controlling batch processes
- Measurement assessment for destructive tests and visual tests
- Charting aesthetic and subjective measurements

Course Outline

Introduction

Targeting Business Results

- QualPro's Four Cornerstones
- Getting Started

Measuring and Assessing Performance

- Measures of Success
- Operational Definitions
- Basic Tools
- Capability Analysis

Validating Measurement Systems

- Measurement as a Process
- Measurement Capability Study
- Measurement Indices
- Measurement Study Tips

Monitoring and Controlling Processes

- Control Chart Theory
- Nonrandomness Tests
- Rational Subgrouping
- Variables Control Charts
- Attribute Control Charts
- Using the Control Chart for Process Improvement

Seeking Continuous Improvement of Results

- Special Cause Analysis
- Gimmes

Achieving Breakthrough Improvement

- Introduction to MVT Methodology
- QualPro's 12-Step MVT® Process

Summarizing Basic Concepts

- Case Study
- Finalizing the Initial Action Plan
- The Process Improvement Tracking Matrix®

QualPro's Expertise

With decades of industry experience, QualPro is uniquely qualified to help you dramatically improve your chemical processes through the power of experimental design. Our 12-Step MVT® Process has been proven effective time and again in industries as diverse as healthcare, manufacturing, and retail sales. We have worked with more than a thousand clients over the years, and together they have saved billions.

Still not convinced? Hear from just a few of our chemical industry clients on the positive impact of QualPro's MVT Process in their respective operations.

Client Testimonials



"We were able to decrease our heavies recycle to the plant by 75% . . . We have increased our production by about 10% in the past year, and we did this without any capital investment."

-Greg Brooks, Production Engineer

"Because the [MVT] Process is extremely versatile, it works equally well on batch or continuous processes. Its use can range from a single operator or laboratory technician doing a small MVT, to an MVT that involves several different plants . . . The technique scales beautifully."

-Dave Pruett, Vice President



"Companies that have started MVT, several years down the road, they'll still be conducting MVTs. They're still using MVT tools, and it's making big bucks . . . When you look in hindsight, the cost is minuscule compared to the savings. [It is so] minuscule [that it represents] one-tenth to one percent of the savings that you incur."

-Andy Viens, President of Global Marketing

"QualPro worked with us to identify and structure the opportunities and show us how they would work."

-John Harrelson, Polyethylene Technology Manager



"We've set our vision as being the low-cost player . . . and we collectively all believe that MVT is the right way to go to help us get to our vision."

-Dan Jaffee, CEO

Contact

To learn more about QualPro and our seminar offerings, please visit us online or call us at the number below.

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