

## Upcoming Training Class:

# Reliable Process Solutions

## It Can Operate Forever

[rpslive.com](http://rpslive.com)

Hosted by Tulsa Tech

**Sep. 19 & 20, 8 am - 5 pm**

Tulsa Tech Training Center  
3638 S. Memorial Dr., Tulsa OK  
**918.828.5000 | [tulsatech.edu](http://tulsatech.edu)**



In Partnership With



### 2 Day Reliability Training Course

Reliability at any facility is a must if we want to remain competitive in the world market place. Reactive maintenance, poor repair techniques, re-occurring downtime must be eliminated. This can be accomplished by understanding the techniques learned in the training course. Each person will learn the techniques of a reliability engineer and be able to eliminate many failures at any operation.

This course will assist with passing CMRP or CMRT Exams.

#### Day 1 (8:00 AM to 4:00 PM)

##### Morning

- » What is happening around the world in Maintenance & Reliability?
- » How we all compete in the world economy
- » How we can improve operations and maintenance to be more competitive
- » How other countries are competing
- » The RCM PF curve and where you fit on the curve
- » Techniques to move from Reactive to Proactive maintenance
- » The Business of Maintenance
- » How to make maintenance a profit center
- » All maintenance task and repairs should add reliability

##### Afternoon

- » Predicting failures
- » Review of the 6 major predictive technologies
- » Mechanical Ultrasound, Vibration Analysis, Oil Analysis, Thermography, NDT,
- » Wear Particles Analysis
- » When to use on what equipment
- » Justifying the technology for the failure mode
- » Details of each technology
- » Cost justify predictive maintenance
- » How to read and understand PdM reports and information

#### Day 2 (8AM to Noon)

##### Morning

- » Lubrication Excellence
- » Proactive Maintenance Techniques
- » Precision maintenance techniques
- » Alignment, balance, vibration, resonance
- » Select suppliers (reliability versus price)
- » Metrics and goals
- » OEE, TEEP, MTBF, Etc.
- » Equipment Ranking (Asset Criticality) methods/tools
- » TPM (Total Productive Maintenance)
- » People Skills
- » RCA (Root Cause Analysis)
- » Training programs
- » Written Procedures
- » Planning and Scheduling Principles

##### Afternoon

- » Specific equipment failure modes
- » Mechanical seals, Motors, bearings, V-belts
- » RCM and Failure Modes training
- » Sample RCM database review (database available for purchase)
- » PM Strategies/PM Optimization
- » Asset Criticality and Preventive Maintenance
- » Asset Criticality exercise and demo
- » What items are most important to your plant?

#### Registration

Attendees will receive a Certificate of Completion with credit for contact and professional hours. Register at <http://www.opmug.net/> or contact [chris.groden@tulsatech.edu](mailto:chris.groden@tulsatech.edu) to reserve a seat for this session. Registration deadline is August 15, 2022.

#### Course Cost: \$800

Registration will be limited to the first 16 OPMUG members that register. For more information about classes or lodging, please call Chris Groden at (918) 828-5433.

#### Course Cancellation Policy

A training class can be cancelled when, less than 75% funded and is less than 30 days from the start of class (training). In this case there will be a 100% fee refund for registered participants. If a registered participant cancels less than 10 days before the start of class (training) they will forfeit 50% of the registration fee.