

Practical Statistics & Data Analysis

Data Driven Decision Making and
Better Understand Your Process

- Understand practical statistics and basic tools
- Understand how to interpret data distribution in terms of central tendency and variability
- Understand how to do a sampling correctly
- Apply basic statistical analyses and tools for company operational purpose and business decision making
- Able to interpret process stability and how good the process capability
- Able to identify variations in product and process

objective

- Basic Statistics: Understanding Statistics, Central Tendency and Variability
- How to use graphical statistics: Run Chart, Histogram, Box Plot, Pie Chart, and Scatter Diagram
- Normal Distribution and Confidence Interval
- Determine sample size
- Statistical Process Control
- Control Chart: understanding process variation
- Understanding Process Capability: CP and CPK

key content



agenda

day
01

- Statistics: The Philosophy
- Understanding Central Tendency and Variability
- Understanding normal distribution
- Graphical Statistics: Run Chart, Histogram, Pie Chart, Box Plot, Scatter Diagram
- STATISTICAL PROCESS CONTROL:** Understanding Variation
- Control Chart for Continuous Data

day
02

- Control Chart for Discrete Data
- Binomial vs Poisson Comparison
- Capability Analysis
- INDEX PROCESS CAPABILITY:** Indicator process performance and how to calculate CP and CPK
- Process Capability for data binomial and poisson
- Wrap Up

who should attend

Quality | Production | Maintenance | Manager | Supervisor | Engineer | anyone who works with data and required to perform statistical data analysis

early bird promo
20% OFF
until August 20, 2017

register **IDR 4,950,000**
/participant
now Including 2x Coffee Break,
Lunch, and Certificate