

UNEARTH THE TREASURE IN COMPRESSED AIR SYSTEM



SUTO TRAINING CENTER WHITE PAPER

1. Introduction

Compressed air system is a group of subsystems comprising integrated sets of components, including air compressors, treatment equipment, controls, piping, pneumatic tools, pneumatically powered machinery, and process applications utilizing compressed air.

Compressed air system consumes 10% of the total electricity energy. The system has 30% to 60% energy efficiency improvement opportunity by various of measures, like Variable Frequency Drive (VFD), centralized control, heat-recovery, zero-loss dryer, zero-loss drain, better piping system, better pneumatic tools, leaks repairing and etc.

90% modern factories have their own compressed air system. Compressed air purity is a concern for most of factories, and for some process it's critical to have dry and clean compressed air in terms of particle, humidity, oil, gaseous contaminants and microbiological contaminants. ISO8573 is the international standard that defines contaminants and purity classes of compressed air in these 5 aspects.

Ignoring compressed air purity will cause product quality issues, as a result making severe damage to company's image and reputation; it will also shorten the lifetime of compressed air related equipment, increase service times and unscheduled down time, as a result causing incalculable economic losses to the company.



2. About SUTO Training Center

SUTO Training Center is a program initiated and sponsored by SUTO iTEC company. SUTO has been a leading company in the field of compressed air measurement since 2005. We measure, monitor and analyse consumption and purity of compressed air.

We are in touch with hundreds of compressed air practitioners and users in various industries worldwide in passed 15 years. The focusing and perception makes us capable to deliver some insights about compressed air system in terms of energy efficiency, purity controlling, system management and etc.

People have too many fallacies and unknowns for compressed air measurement. SUTO Training Center aims to correct and uncover these fallacies and unknowns, to assist compressed air practitioners and users to unearth the treasure in compressed air system.

SUTO Training Center will continuously deliver fresh and nutritious knowledge about compressed air measurement.



3. Course Outlines

We outline the following courses that are designed and prepared based on your demands. We will invite industrial experts as the coach of the courses.

Basics in Compressed Air

- Air and Compressor
- Design and Setup
- Operation and Maintenance

Standards, Regulations, Audits

- Standards and Regulations
- Running Cost and Saving Measures
- Consultant and Audit

Sensing and Monitoring

- Energy
- Purity
- IoT, Big Data and AI in Compressed Air System



4. Registration and Cost

You have 2 ways to attend the training.

- Webinars

To be announced on our website for free participation. We will send regular news letters to inform you of upcoming Webinars.

- Traditional seminars

Organized by the training center in cooperation with the local SUTO sales/service teams in various countries.

We will also inform on our website about these events.

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