



# IE233-3D

## Antisurge Control System Philosophy, Opticom Module and Operating

## Training Description:

This intensive training course covers the maintenance of anti-surge and related protection system for gas compressors; and the various types of anti-surge system and control system including Emerson brand, Invensys brand, Honeywell brand and ABB brand.

During this interactive course, participants will learn to recognize, operate, maintain and configure the anti-surge system as well as identify the auxiliaries covering lube oil package, fuel package and sealing package.

## Training Objectives:

By the end of the training, participants will be able to:

- ✓ Apply and gain a basic knowledge on anti-surge system
- ✓ Discuss and maintain anti-surge and related protection system for gas compressors
- ✓ Identify the various types of anti-surge system and control system including Emerson, Invensys, Honeywell and ABB brands
- ✓ Recognize, operate, maintain and configure the anti-surge system
- ✓ Describe the auxiliaries covering the lube oil package, fuel package, sealing package and etc.

## Training Designed for:

This course is intended for senior instrument maintenance engineers, mechanical maintenance engineers, senior mechanical maintenance foremen, mechanical maintenance foremen and maintenance supervisors.

## Training Program:

### DAY ONE:

- ❖ Pre-Test
- ❖ Introduction
- ❖ Anti-Surge & Related Protection Systems for Gas Compressors
- ❖ Type of Control System
- ❖ Emerson Brand
- ❖ Invensys Brand
- ❖ Honeywell Brand

### DAY TWO:

- ❖ ABB Brand
- ❖ Types of Anti Surge System
- ❖ Familiarization
- ❖ Operation
- ❖ Maintenance
- ❖ **Practical Sessions**
  - This hands-on and includes real-life case studies and exercises

### DAY THREE:

- ❖ Configuration
- ❖ Types of Auxiliaries



- ❖ Lube Oil Package
- ❖ Fuel Package
- ❖ Sealing Package
- ❖ Course Conclusion
- ❖ Post-Test and Evaluation

### Training Requirement:

“Hand’s on practical sessions, equipment and software will be applied during the course if required and as per the client’s request”.

Please note that the above topics can be amended as per client’s learning needs and objectives. Further, it should be forwarded to us a month prior to the course dates.

### Training Methodology:

This interactive training course includes the following training methodologies as a percentage of the total tuition hours:-

- 30% Lectures, Concepts, Role Play
- 70% Workshops & Work Presentations, Techniques, Based on Case Studies & Practical Exercises, Software & General Discussions
- Pre and Post Test

### Training Certificate(s):

Internationally recognized certificate(s) will be issued to each participant who completed the course.

### Training Fees:

**As per the course location** - This rate includes participant’s manual, hand-outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Note: The 5% VAT (Value Added Tax), will be effective starting 01<sup>st</sup> of January 2018 as per the new regulation from the UAE Government. The VAT applies for all quotation both for local and abroad.

### Training Timings:

#### Daily Timings:

07:45 - 08:00	Morning Coffee / Tea
08:00 - 10:00	First Session
10:00 - 10:20	Recess (Coffee/Tea/Snacks)
10:20 - 12:20	Second Session
12:20 - 13:30	Recess (Prayer Break & Lunch)
13:30 - 15:00	Last Session

**For training registrations or in-house enquiries, please contact:**

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Training & Career Development Department

