

# Design of Steam and Condensate Services Course 2019



Providing the necessary knowledge required for proper steam system design.

*First for Steam Solutions*

EXPERTISE | SOLUTIONS | SUSTAINABILITY

Fully HRDF Claimable under SBL Scheme

Program No. 100015870



# The Skills you need to get ahead

The Course will provide the necessary skills and knowledge to design an efficient reliable steam system design. Optimising the use of energy efficiently and with recovery and minimum wastages.

Delegates will be exposed to the latest and common methods practice worldwide by virtue of our global coverage in almost all steam using industries. We will from our experiences in other countries.

## Basic Steam Engineering

Delegates will learn

- \* what is steam,
- \* the difference between saturated steam and superheated steam,
- \* understanding steam tables.
- \* Calculating steam requirement for different process

## Steam Distribution

We will cover

- \* steam pipe sizing and layout
- \* Sizing and locating main drain point
- \* How to handle pipe expansion
- \* Typical insulation properties
- \* Air Venting and pipeline fittings



## Steam Trapping

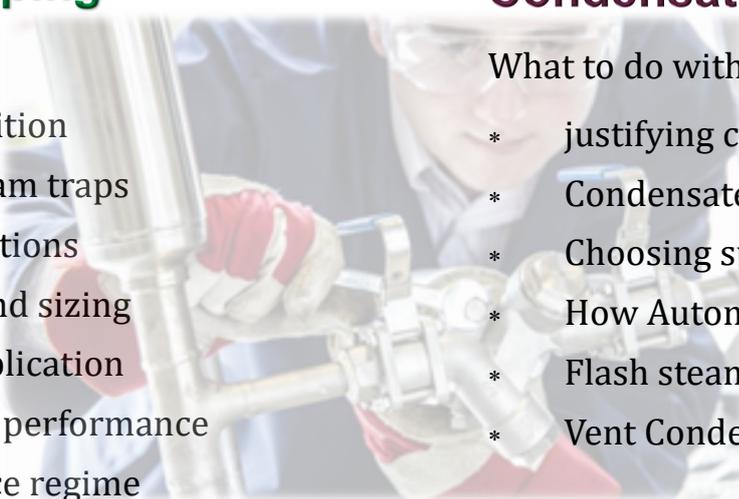
Covers

- \* Basic Definition
- \* Type of steam traps
- \* How it functions
- \* Selection and sizing
- \* Typical Application
- \* Monitoring performance
- \* Maintenance regime

## Condensate Management

What to do with condensate

- \* justifying condensate recovery
- \* Condensate pipe sizing and layout
- \* Choosing suitable condensate pump
- \* How Automatic Pump-Trap works
- \* Flash steam recovery and usage
- \* Vent Condenser



## Who Should Attend

Facility engineers, Steam Plant Designers & Engineers, Consultants, Supervisors, Mechanical maintenance engineers, Process Engineers, Project and Site Engineers and whoever involve in designing, running and maintaining steam sys-

## Training Facility

Our specially dedicated steam technology center will provide participants with practical on experience on products functions with live steam.

Our transparent steam traps will allow you to understand the principle of working mechanism for each type of traps.

Lecture room with capacity of up to 30 people complete with audio video facilities

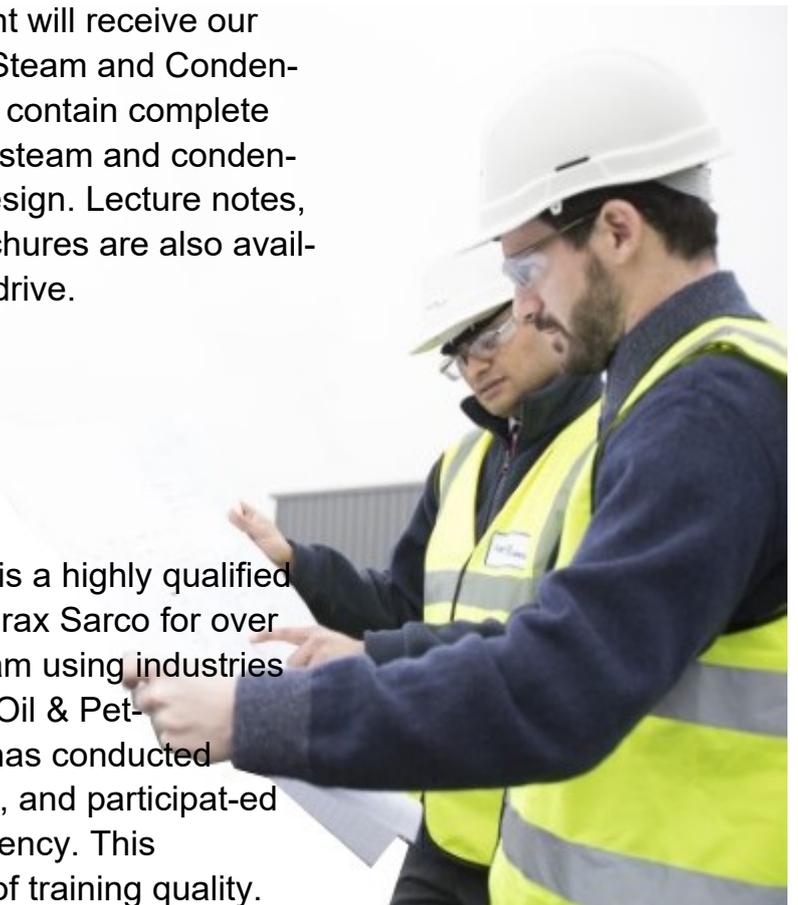


## Training Material

Each participant will receive our world-famous Steam and Condensate Loopbook contain complete information on steam and condensate system design. Lecture notes, slides and brochures are also available in a USB drive.

## Trainer

The trainer, Mr. Che Mohd Roslan, is a highly qualified steam expert. He has been with Spirax Sarco for over 28 years, with experience in all steam using industries such Food & Beverages, Palm Oil, Oil & Petrochemical, timber, rubber etc. He has conducted many public lectures over the years, and participated in programs promoting energy efficiency. This guarantees you an unrivalled level of training quality.



# REGISTRATION FORM

COURSE: DESIGN OF STEAM AND CONDENSATE SERVICES

FEE: RM 1600.00

VENUE: SPIRAX STEAM TECHNOLOGY CENTER, GLENMARIE SHAH ALAM

DATES: PLEASE TICK ONE

28TH & 29TH JANUARY 2019

25TH & 26TH MARCH 2019

24TH & 25TH JUNE 2019

21ST & 22ND OCTOBER 2019

PARTICIPANT NAME:

1. .... EMAIL: .....

2. .... EMAIL: .....

3. .... EMAIL: .....

4. .... EMAIL: .....

CONTACT PERSON: .....

POSITION: ..... EMAIL: .....

COMPANY: .....

ADDRESS: .....

CONTACT NO: .....

AUHTORISED SIGNATURE: .....

COMPANY STAMP

MODE OF PAYMENT: DIRECT TRANSFER OR CHECK

BANK DETAILS:

ACCOUNT NAME: SPIRAX-SARCO SDN BHD

BANK NAME: OCBC AL-AMIN BANK BERHAD

ACCOUNT NO.: 108-102859-6

NOTE: PAYMENT TERM IS C.O.D AND MUST BE MADE BEFORE OR ON THE TRAINING DATE

Email the completed form [Training.my@my.spiraxsarco.com](mailto:Training.my@my.spiraxsarco.com) or [sales.my@my.spiraxsarco.com](mailto:sales.my@my.spiraxsarco.com)