

# Piping Stress Analysis



This **2 days course** gives participants coming from Engineering, Manufacturing, Repair and Testing/ Inspection Companies a comprehensive overview about pressure piping and the related code requirements. Especially the **correct approach during the design stage** secures a smooth entry into a pressure piping project.

This lesson will also cover the **procedures for stress analysis during layout studies**, or to **discover problems during operation services**. Avoiding mistakes during design stage will prevent all involved project parties from unnecessary work effort and cost.

## Trainer's Background

**Mr. Dietmar Fischer**, is presently the Head of Software Development at Lauterbach Verfahrenstechnik, Germany.

With **more than 20 years of practical experience**, he is specialized in software development in the fields of Pressure Vessel Design and piping. He has also given seminars, workshops and training sessions on PED, Heat Exchanger Design, Pressure Vessel Design and Piping.

## Who Should Attend?

This class is designed for

- √ Design & Engineering Consultants
- √ Design Engineers & QA/QC Inspectors of Pressure Equipment Manufacturers
- √ Inspectors & Engineers of Plant Construction & Inspection Companies
- √ Project Teams, Engineers working in edible oil refineries, chemical, power, industrial & petrochemical

## Course Objectives

The course provides participants the knowledge necessary to:

- √ Get familiar with the stress requirements
- √ Know the different materials and terminology used when performing a stress analysis
- √ Know the common stress considerations when laying out pipeways
- √ Avoid major mistakes and costly changes
- √ Get familiar with the major code requirements i.e. ANSI B31.x or EN13480

## Topics Covered

### Day 1

- √ History of Codes, Scope, Definitions
- √ Pressure Design of Piping and Piping Components
- √ Flexibility Analysis of Piping Systems
- √ Limitations on Piping and Components
- √ Materials

### Day 2

- √ Fabrication, Assembly and Erection
- √ Inspection, Examination and Testing
- √ Piping Failures and Their Causes
- √ Piping for Category M Fluid Service
- √ High Pressure piping

**\*\* There will be a short exam at the end of the course. Probably a multiple choice test or similar.**

For more information, please contact

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**Course: Piping Stress Analysis** **Date: 18 - 19 Oct 2010**  
**Venue: IDC Training Room, Amcorp Trade Centre, PJ, Selangor, Malaysia** **Time: 9am - 5.30pm**

Name of Applicant(s) Mr / Ms / Dr / Ir (Others)	Designation(s)	Contact No. (H/P)
1. _____	_____	_____
2. _____	_____	_____
3. _____	_____	_____
4. _____	_____	_____
5. _____	_____	_____
Company Name :		
Correspondence Address :		
Tel :	Ext. :	Fax :
H/P :	E-mail :	
Contact Person :		Designation :

	<b>Group Package</b> <small>Minimum 3 delegates</small>	<b>Early Bird Package</b> <small>(with payment)</small>	<b>Normal Package</b>
<b>Course Fee (per person)</b>	<b>RM 2,900</b>	<b>RM 3,100</b>	<b>RM 3,300</b>
<b>Closing Date</b>	<b>10 Sep 2010</b>	<b>20 Aug 2010</b>	<b>10 Sep 2010</b>

Please download the location map from: [http://www.idc-training.com/map/idc\\_map.pdf](http://www.idc-training.com/map/idc_map.pdf)



Certificate of Attendance upon completion of the course



Save more with In-House Training



Save more with group of 3 delegates

**Terms and Conditions**  
**Registration Policy**

Fees include course materials, lunch & tea breaks. Payment can be made by cash, credit card or using crossed cheque/bank draft made payable to **IDC Training House Sdn Bhd**, fourteen (14) working days prior to the date of the program. Otherwise registration(s) is treated as unconfirmed.

**Disclaimer**

**Changes of course date, Trainer/Facilitator or venue**

We reserve the right to make alternative arrangement to the above if the needs arise due to unforeseen circumstances. Every effort will be made to inform the participants of these changes.

**Additional Expenses**

We shall not be responsible for any extra expenses incurred by any participant(s) while attending the course.