

**Duration:** 5 Days

**Training Sessions:** 24 – 28 September 2018 (Bangkok)

**Fees:** For Carbon Steel : 49,000 Baht / Person\*

**Fees:** For Stainless Steel : 59,000 Baht / Person\*

#### Suitable for:

- Welders, Boilermakers and Pipe Fitters wishing to improve their performances and skills based on which a welder qualification may be considered.

#### Objectives:

To master the Arc welding process with Coated Electrodes and to prepare the related Welder Qualifications (ISO, ASME, EN).

At the end of the course, you will be able:

- To weld butt joints in all positions;
- To weld pipes and tubes in all positions;
- To interpret your Welding Procedure Specifications (WPS);
- To prepare your parts to be welded according to the thickness and welding position;
- To set up your equipment;
- To evaluate your weld pool by adjusting your position to ensure a quality weld;
- To recognize weld defects and to assess their level of severity depending on the expected welding type;
- To implement the necessary corrective actions;
- To know and apply rules of hygiene and safety.

This course includes practical workshops

#### Content:

##### THEORY

- Principles of the process and scope
- Comparison with other methods
- Costs, deposition rate, productivity
- Health and safety
- Generators, wire feeders, torches and guns, control boxes
- Role of the flux and manufacturing of wire
- Role of gas welding with cored wire
- Welding parameters
- Joint preparation
- Welding methods
- Defects in welds
- Basics of welds inspection
- Interpretation of a Welding Procedure Specification (WPS)

##### PRACTICAL WORKSHOPS

- Carrying out of various assemblies led by an experienced and qualified instructor
- Type of joint: bevel angle, fillet, cover and buff
- Welding position: flat, vertical up & down, horizontal overhead
- Welding of pipe, tubes, shapes and sections (all positions)
- Visual checks of the assemblies (texture and / or radiography)

##### EVALUATION

- Control of the knowledge acquired
- Corrections and comments

\* Excluding VAT - Published prices and schedules are subject to change without advance notification

\* Registration fees are inclusive of lunch and coffee breaks