

# SHIELDED METAL WELDING ARC (SMAW—6G)

SABAH SKILLS & TECHNOLOGY CENTRE



## OBJECTIVE

Objectives weld, carbon steel pipe thickness range 6mm to 12 mm and pipes of nominal pipe size range from 2 inches to 8 inches in 6G position by selecting, preparing and setting the pipe, using SMAW process and checking the weldment so that pipe is welded according to welding instruction procedure and weldment is free from distortion, surface defect and meet the specified welding standard.

## COURSE CONTENTS

- Apply safety practices and procedure
- Read drawings and specification in welding procedures
- Manage material and consumables , Managing Cost
- Perform thermal and mechanical cutting
- Preparation of weld Joints
- Metal & Filler selection
- Perform preheating process
- Perform welding using SMAW process and weld. Carbon steel pipe of thickness range 6mm to 12mm and pipe of nominal pipe size range from 2 inches 8 inches, up 6G position.
- Trouble shooting defects
- Perform quality control inspection.

## WHO SHOULD ATTEND

The program is open to anyone with a talent for welding. Assessment is strictly performance-based, there are no prerequisite courses or certifications required prior to testing. Preferably with 1 year experience in welding

## METHODOLOGY

Theory 30%, Practical 70%

## RESOURCE PERSON

**Ronny Dingon** has been involved in the welding industry for 17 years. He began his career in Singapore Technology Marine in ship building. He return to Sabah after 10 years abroad, to serve with UMS and later as the Head of the Welding Department in Monfort Youth Training centre which includes training student of SKM level 1 & 2 . He was appointed in the welding program technical advisory committee of ILP, Jabatan Pembangunan Sumber Manusia & Akademi Mahir (Sabah) Sdn. Bhd. He was also involved in Project Link under Shell contract as a Grade 6G SMAW welder. He is trained as a vocational training office, SKM level 1, 2, & 3. He recently attended SIRIM – AWS Trained the Trainer certification for 6G Shielded Metal Arc Welding (SMAW).

## Sylvester Mujip

Diploma in Mechanical Engineering. SIRIM – AWS Trained the trainer certification for 6 G Shielded Metal Arc Welding (SMAW)

**Duration**  
5 Days

**SSTC Member**  
RM 1,749.00

**Non SSTC Member**  
RM 1,802.00

**Non SSTC Member**  
RM 1,778.50

**Fee is inclusive of  
refreshment, lunch,  
course materials and  
certificate of attendance**

**\*Rates inclusive of 6% GST**

### Sabah Skills & Technology Centre

No. 8, Jalan 1C, KKIP Selatan, Industrial Zone 1 (IZ1), KKIP, 88460, Kota Kinabalu, Sabah

Tel: 088-496613/4 (Ms. Jennifer/ Eveynne) Fax: 088-499615,

Email: [jennifer@sstc.org.my](mailto:jennifer@sstc.org.my) / [eveynne@sstc.org.my](mailto:eveynne@sstc.org.my)

Website : <http://sstc.org.my>