

1. Title	Install and lay gas mains (automatic butt fusion method)	
2. Code	EMGAI212A	
3. Range	Install and lay PE gas mains in general road environment.	
4. Level	2	
5. Credits	6	
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Knowledge and principles of installing and laying gas mains (automatic butt fusion method)</p> <ul style="list-style-type: none"> ◆ Understand the properties and range of application of PE gas mains ◆ Operate air compressor correctly ◆ Operate diesel power generator correctly ◆ Operate pneumatic tools correctly ◆ Distinguish different public utilities ◆ Understand underground public utilities plans <p>6.2 Methods and procedures of installing and laying gas mains (automatic butt fusion method)</p> <ul style="list-style-type: none"> ◆ Set appropriate safety distance, pipe depth and locations for installation according to the properties of soil aboveground and underground and surrounding pipework conditions ◆ Select suitable pipe support and protective measures according to the design and individual environment in application ◆ Use the automatic butt fusion method to connect PE pipes ◆ Know about the requirements for working in confined spaces ◆ Work safely in trenches underground ◆ Know about the industrial safety knowledge relevant to gas main laying works ◆ Read out and explain the working drawing of the gas network clearly and put on record the work completed 	

	<p>6.3 Professional knowledge and responsibilities for installing and laying gas mains (automatic butt fusion method)</p> <ul style="list-style-type: none"> ◆ Apply basic legislations and regulations relevant to underground public utilities installation
7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to install and lay PE gas mains in general road environment.</p>
8. Remarks	<p>The credit value of this unit of competency is set on the presumption that the person already possesses the competency of EMGADE101A 【Basic knowledge of gas application】 .</p>