

1. Title	Install and lay gas mains (ductile iron pipes)	
2. Code	EMGAI210A	
3. Range	Install and lay ductile iron 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 gas mains (ductile iron pipes)</p> <ul style="list-style-type: none"> <li>◆ Understand the properties and range of application of ductile iron pipes</li> <li>◆ Use suitable techniques and sealing materials to connect ductile iron pipes</li> <li>◆ Operate air compressor correctly</li> <li>◆ Operate diesel power generator correctly</li> <li>◆ Operate pneumatic tools correctly</li> <li>◆ Distinguish different public utilities</li> <li>◆ Understand underground public utilities plans</li> <li>◆ Know about the requirements for working in confined spaces</li> <li>◆ Work safely in trenches underground</li> </ul> <p>6.2 Methods and procedures of installing gas mains (ductile iron pipes)</p> <ul style="list-style-type: none"> <li>◆ Set appropriate safety distance, pipe depth and locations for installation according to the properties of soil aboveground and underground and surrounding pipework conditions</li> <li>◆ Select suitable pipe support and protective measures according to the design and individual environment in application</li> <li>◆ Read out and explain the working drawing of the gas network clearly and put on record the work completed</li> </ul>	

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