

1. Title	Install large plant machinery									
2. Code	EMPEIN502A									
3. Range	Supervise the installation work of large plant equipment (such as 10-ton forging hammer, gantry crane above 100 tons and 2500-ton hydraulic machine, etc.) in general industrial plants, power plants or other places.									
4. Level	5									
5. Credits	9									
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <table border="0"> <tr> <td style="vertical-align: top;">6.1</td> <td style="vertical-align: top;">Knowledge of installing large plant machinery</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> <li>◆ Understand the installation drawings of more complicated and precision equipment</li> <li>◆ Master the procedures and methods of installing large plant equipment</li> <li>◆ Master the methods, principles and characteristics of operating large installation equipment</li> <li>◆ Master the organization of the engineering work and arrange consideration issues</li> </ul> </td> </tr> <tr> <td style="vertical-align: top;">6.2</td> <td style="vertical-align: top;">Methods and procedures of installing large plant machinery</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> <li>◆ Supervise the installation work of large plant machinery according to site condition</li> <li>◆ Fully use the available space of the site</li> <li>◆ Carry out bench fitting and welding processes for lifting and installation work</li> <li>◆ Choose appropriate (in terms of extension range, lifting method and safe load, etc.) lifting appliances</li> </ul> </td> </tr> <tr> <td style="vertical-align: top;">6.3</td> <td style="vertical-align: top;">Professionalism in installing large plant machinery</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> <li>◆ Be capable of following the code of practice and the code of safety to supervise the installation work of large plant machinery</li> </ul> </td> </tr> </table>	6.1	Knowledge of installing large plant machinery	<ul style="list-style-type: none"> <li>◆ Understand the installation drawings of more complicated and precision equipment</li> <li>◆ Master the procedures and methods of installing large plant equipment</li> <li>◆ Master the methods, principles and characteristics of operating large installation equipment</li> <li>◆ Master the organization of the engineering work and arrange consideration issues</li> </ul>	6.2	Methods and procedures of installing large plant machinery	<ul style="list-style-type: none"> <li>◆ Supervise the installation work of large plant machinery according to site condition</li> <li>◆ Fully use the available space of the site</li> <li>◆ Carry out bench fitting and welding processes for lifting and installation work</li> <li>◆ Choose appropriate (in terms of extension range, lifting method and safe load, etc.) lifting appliances</li> </ul>	6.3	Professionalism in installing large plant machinery	<ul style="list-style-type: none"> <li>◆ Be capable of following the code of practice and the code of safety to supervise the installation work of large plant machinery</li> </ul>
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7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to supervise the installation work of large plant machinery in safe conditions;</p> <p>(ii) Capable to clearly explain the operational process of installing large plant machinery and safety precautions; and</p> <p>(iii) Capable to compile work reports on the installation of large plant machinery.</p>									
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses the various aspect of knowledge of site safety, machinery and handling heavy machinery.									