

1. Title	Supervise gas turbine main body installation		
2. Code	EMPEIN506A		
3. Range	Supervise gas turbine main body installation work in general industrial plants, power plants or other places.		
4. Level	5		
5. Credits	6		
6. Competency	<u>Performance Requirements</u>		
	6.1	Operating principle of gas turbine and its ancillary equipment	<ul style="list-style-type: none"> <li>◆ Understand the operating principle of gas turbine and its ancillary equipment</li> <li>◆ Know the classification of various types of gas turbine according to their properties</li> <li>◆ Understand the construction and workflow of gas turbine</li> <li>◆ Know the typical overall layout of gas turbine</li> </ul>
	6.2	Methods and procedures of supervising gas turbine installation	<ul style="list-style-type: none"> <li>◆ Follow manufacturer's guidelines and procedures for gas turbine installation to perform the supervisory tasks</li> <li>◆ Compile the whole installation flow and plan for gas turbine according to manufacturer's installation manual, including: <ul style="list-style-type: none"> <li>• Brief introduction to gas turbine installation method</li> <li>• Preparatory work for installation</li> <li>• Design of the organization of work</li> <li>• Concrete planning of work</li> <li>• Skills requirements for installation work</li> <li>• Common technical data for installation work</li> </ul> </li> <li>◆ Work out the schedule for gas turbine installation and supervise the engineering progress</li> <li>◆ Arrange the layout for gas turbine installation work</li> <li>◆ Select gas turbine lifting and transport machinery</li> <li>◆ Allocate the workforce for gas turbine installation</li> </ul>
	6.3	Professionalism in supervising gas turbine installation	<ul style="list-style-type: none"> <li>◆ Follow manufacturer's guidelines and procedures for gas turbine installation to perform the supervisory tasks</li> <li>◆ Gas turbine installation work should comply with the code of safety as required by the law and the requirements of practical guidelines</li> </ul>

7. Assessment Criteria	The integrated outcome requirements of this unit of competency are: <ul style="list-style-type: none"><li>(i) Capable to compile the installation flow and plan for gas turbine main body;</li><li>(ii) Capable to supervise the flow of gas turbine main body installation;</li><li>(iii) Capable to compile the report on the supervision of gas turbine installation; and</li><li>(iv) Capable to report on the installation of gas turbine main body.</li></ul>
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses basic knowledge of gas turbine installation.