

1. Title	Conduct feasibility studies for plants										
2. Code	EMPEDE601A										
3. Range	Conduct plant feasibility studies for general industrial plants, power plants or other places.										
4. Level	6										
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;">Industrial behavior in various aspects of plants and factors affecting the feasibility of plant</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> <li>◆ Be familiar with industrial behaviour in various aspects of plants <ul style="list-style-type: none"> <li>• Product type</li> <li>• Operation mode of the company</li> <li>• Convenience for people and logistics</li> <li>• Convenience and speed for material supply and sales to market</li> <li>• Public works such as water and electricity supply and discharge facilities</li> <li>• Years of use of plant</li> <li>• Suitability and expandability of plant site</li> <li>• Possibility attracting competitors nearby</li> </ul> </li> <li>◆ Be familiar with other factors affecting the feasibility of plant, including: <ul style="list-style-type: none"> <li>• Land planning by the government</li> <li>• Data collected from survey and simulation study</li> <li>• Environmental assessment report</li> </ul> </li> </ul> </td> </tr> <tr> <td style="vertical-align: top;">6.2</td> <td style="vertical-align: top;">Techniques for plant feasibility study analysis</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> <li>◆ Make use of expertise and the experience and knowledge of research to analyze the information and study the feasibility of plant</li> <li>◆ Compile reports to clearly explain the feasibility of plant to the board of directors and the public</li> </ul> </td> </tr> <tr> <td style="vertical-align: top;">6.3</td> <td style="vertical-align: top;">Professionalism in feasibility study</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> <li>◆ Conduct plant feasibility studies correctly according to statutory requirements, public opinions and professional management experience</li> </ul> </td> </tr> </table>		6.1	Industrial behavior in various aspects of plants and factors affecting the feasibility of plant	<ul style="list-style-type: none"> <li>◆ Be familiar with industrial behaviour in various aspects of plants <ul style="list-style-type: none"> <li>• Product type</li> <li>• Operation mode of the company</li> <li>• Convenience for people and logistics</li> <li>• Convenience and speed for material supply and sales to market</li> <li>• Public works such as water and electricity supply and discharge facilities</li> <li>• Years of use of plant</li> <li>• Suitability and expandability of plant site</li> <li>• Possibility attracting competitors nearby</li> </ul> </li> <li>◆ Be familiar with other factors affecting the feasibility of plant, including: <ul style="list-style-type: none"> <li>• Land planning by the government</li> <li>• Data collected from survey and simulation study</li> <li>• Environmental assessment report</li> </ul> </li> </ul>	6.2	Techniques for plant feasibility study analysis	<ul style="list-style-type: none"> <li>◆ Make use of expertise and the experience and knowledge of research to analyze the information and study the feasibility of plant</li> <li>◆ Compile reports to clearly explain the feasibility of plant to the board of directors and the public</li> </ul>	6.3	Professionalism in feasibility study	<ul style="list-style-type: none"> <li>◆ Conduct plant feasibility studies correctly according to statutory requirements, public opinions and professional management experience</li> </ul>
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7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> <li>(i) Capable to integrate all factors and make reference to similar environment to conduct plant feasibility studies;</li> <li>(ii) Capable to correctly interpret and clearly explain justifications for plant feasibility studies; and</li> <li>(iii) Capable to compile analytical reports on plant feasibility studies.</li> </ul>										
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses professional management knowledge and fully understands the use of plants.										