

## Scheduled CAESAR II Training

### 3 days Dynamics

#### Typical Course Coverage

Days 1 to 3: Monday through Wednesday or Tuesday through Thursday

Includes;

|   |  |   |
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| <p>Theory of dynamic analysis of;<br/>systems (Notes - Chapter 1)</p> <ul style="list-style-type: none"> <li>• Harmonic load analysis -<br/>forced vibration</li> <li>• CAESAR II Model<br/>TDRPMP</li> </ul> | <p>Response spectrum analysis;</p> <ul style="list-style-type: none"> <li>• seismic load evaluation<br/>(CAESAR II Model<br/>DIABLO)</li> </ul> <p>Time history analysis</p> <ul style="list-style-type: none"> <li>• hammer loads (CAESAR II<br/>Model SNFAIL)</li> </ul> | <p>Survey of transient load evaluation<br/>through a relief valve example;</p> <ul style="list-style-type: none"> <li>• Dynamic analysis<br/>workshop (natural<br/>frequency calculation)</li> <li>• dynamic load factor<br/>verification</li> </ul> <p>Slug flow modelling</p> |
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This schedule is indicative only and is subject to change without notice.