



# Course Programme

## Human Factors in the Oil & Gas Industry

<b>Instructor:</b> Dr Nick Bradley, BERGO UK	
<b>Day 1</b>	
08.30 – 09.00	<i>Coffee</i>
09.00 – 09.15	<i>Introductions, Course Overview and Objectives</i>
09.15 – 12.30	<b>1. Introduction to Human Factors</b> <ul style="list-style-type: none"><li>• What is meant by Human Factors?</li><li>• Key principles and topic areas</li><li>• Legal framework in the Oil &amp; Gas industry</li></ul> <i>Discussion: Experiences and Challenges</i>
12.30 – 13.30	<i>Lunch</i>
13.30– 16.15	<b>2. Managing Human Failures</b> <ul style="list-style-type: none"><li>• Why do accidents/incidents occur?</li><li>• Human Factors in risk assessment</li><li>• Human Factors in accident investigation</li></ul> <i>Workshop: Hierarchical Task Analysis (HTA)</i>
16.15 – 16.30	<b>Summary of Day</b>
<b>Day 2</b>	
08.30 – 09.00	<i>Coffee</i>
09.00 – 12.30	<b>3. Job Design</b> <ul style="list-style-type: none"><li>• Optimising control room design</li><li>• Usability of procedures</li><li>• Safety critical communications</li></ul> <i>Workshop: Link analysis</i>
12.30 – 13.30	<i>Lunch</i>
13.30 – 15.00	<b>4. Organisational Human Factors</b> <ul style="list-style-type: none"><li>• Investigating safety culture</li><li>• Competence assurance</li><li>• Institutionalising human factors</li></ul> <i>Workshop: Safety Culture Assessment</i>
15.15 – 16.15	<b>5. Human Factors inspections</b> <ul style="list-style-type: none"><li>• Preparing HF documentation for inspection</li><li>• Regulatory inspection criteria</li><li>• Common pitfalls</li></ul> <i>Discussion: Reflections and Next steps</i>
16.15 – 16.30	<b>Course Summary and Conclusions</b>