

## NR-33 - Authorized Worker and Attendant Training in Confined Spaces - 16h

---

<b>Duration</b>	2 days
-----------------	--------

---

<b>Target group</b>	Workers and watchman who perform activities in confined spaces.
---------------------	---

---

<b>Prerequisites</b>	<ul style="list-style-type: none"><li>- RG and CPF;</li><li>- Passport (expatriate);</li><li>- Occupational Health Certificate (ASO) or certificate of good physical and mental health conditions including working at heights and confined space.</li></ul>
----------------------	--

---

<b>Objective</b>	To qualify workers and watchman to perform their activities in confined space in accordance with NR33.
------------------	--

---

<b>Contents</b>	<ul style="list-style-type: none"><li>- Theory 8h<ol style="list-style-type: none"><li>1. Definitions.</li><li>2. Recognition, Evaluation and Risk Control: Concept of Risk and Hazard; IDLH atmosphere and its conditions; Preliminary risk analysis; Classified area; Imprisonment; Engulfment.</li><li>3. Operation of Equipment Utilized. Fixed and Portable Equipment; Protective equipment; Communication Equipment.</li><li>4. Procedures and Utilization of the Entry and Work Permit: EWP - Entry and Work Permit; Training Work Team; Authorized workers, watchman and entry supervisors; Risk Types; Atmospheric evaluation; Type of Gases; Tolerance limit, flammables; explosivity; Oxygen Enrichment or deficiency; Carbon monoxide; H2S; Isolation and signaling; lockout / tagout; Ventilation.</li><li>5. Notions of rescue and First Aid.</li></ol></li><li>- Practice 8h<ul style="list-style-type: none"><li>Respiratory protection;</li><li>Recognition of the scenarios;</li><li>Inspection and selection of equipment;</li><li>Preparation of PRA and EWP (Entry and work Permit);</li><li>Use of Multigas (demo);</li><li>Role of entrants and watchkeeper;</li><li>Horizontal entrance (respiratory protection use);</li><li>Vertical entrance;</li><li>Notions of rescue of victims.</li></ul></li></ul> <p>Technical Reference: NR-33; NBR16577; OSHA 29 CFR 1910.146.</p>
-----------------	---

---

<b>Exam</b>	<p>Students will be assessed through direct observation during practical activities.</p> <p>Validity: 1 year</p>
-------------	--